

# **TECHNICAL MANUAL**

# OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

# SEMITRAILER, VAN: ELECTRONIC 10-TON, 4 WHEEL

XM574	(2330-00-086-7406)	XM824	(2330-00-127-5415)
XM574EI	(2330-00-933-9944)	XM844	(2330-00-152-1817)
XM654	(2330-00-973-1608)	XM845	(2330-00-421-7286)
XM680	(2330-90-070-4452)	XM847	(2330-00-431-3428)
XM680E1	(2330-00-884-1749)	XM848	(2330-00-431-3429)
XM738	(2330-00-999-3893)	XM849	(2330-00-431-3433)
XM739	(2330-00-930-0024)	XM850	(2330-00-231-3441)
XM739EI	(2330-00-782-1377)	XM912	(2330-00-013-7764)
XM822	(2330-00-122-4966)	XM913	(2330-00-010-4954)
XM823	(2330-00-127-5405)		

HEADQUARTERS, DEPARTMENT OF THE ARMY 26 JANUARY 1984

#### **WARNING**

# HIGH VOLTAGE is used in the operation of this equipment

# DEATH ON CONTACT may result if personnel fail to observe safety precautions

Be careful not to contact high-voltage connections or 115 and 208-volt ac input connections when working on this equipment.

Before working inside the equipment, turn power off and ground points of high potential before touching them.

EXTREMELY DANGEROUS POTENTIALS
exist in the following units:
Air Conditioner
Heating System
Circuit Breaker
110-Volt Receptacle

For artificial respiration, refer to FM21-11.

When working on fuel tank, fuel lines and fuel pump, the work area must be well ventilated.

TECHNICAL MANUAL No. TM 9-2330-271-14&P

# HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, D C, 26 January 1984

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

#### FOR SEMITRAILER VAN: ELECTRONIC 10-TON 4 WHEEL

	SCIVILI RAILER, VAIN. C	LECTRONIC, 10-10IN, 4	VVDEEL
XM574	(2330-00-086-7406)	XM824	(2330-00-127-5415)
XM574E1	(2330-00-933-9944)	XM844	(2330-00-152-1817)
XM654	(2330-00-973-1608)	XM845	(2330-00-421-7286)
XM680	(2330-00-070-4452)	XM847	(2330-00-431-3428)
XM680E1	(2330-00-884-1749)	XM848	(2330-00-431-3429)
XM738	(2330-00-999-3893)	XM849	(2330-00-431-3433)
XM739	(2330-00-930-0024)	XM850	(2330-00-231-3441)
XM739E1	(2330-00-782-1377)	XM912	(2330-00-013-7764)
XM822	(2330-00-122-4966)	XM913	(2330-00-010-4954)
XM823	(2330-00-127-5405)		

#### REPORTING OF ERRORS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to Commander, US Army Tank - Automotive Command, ATTN: DRSTA-MBP, Warren, MI 48090. A reply will be furnished to you.

			Paragraph	Page
CHAPTER	1.	INTRODUCTION		
SECTION	I.	General	1-1	1-1
	II.	Description and data		1-1
CHAPTER	2.	OPERATING INSTRUCTIONS		
SECTION	I.	Operating procedures	2-1	2-1
	II.	Operation of auxiliary equipment	2-14	2-8
	III.	Operation under unusual conditions		2-9
CHAPTER	3.	OPERATOR'S MAINTENANCE INSTRUCTIONS		
SECTION	I.	Lubrication instructions	3-1	3-1
	II.	Preventive maintenance checks and services	3-6	3-7
	III.	Troubleshooting	3-8	3-9
	IV.	Maintenance procedures		3-11
CHAPTER	4.	ORGANIZATIONAL MAINTENANCE INSTRUCTIONS		
SECTION	I.	Service upon receipt of materiel	4-1	4-1
	II.	Movement to a new worksite	4-3	4-1
	III.	Repair parts, special tools, and equipment	4-7	4-7
	IV.	Lubrication instructions	4-9	4-7
	V.	Preventive maintenance checks and services (PMCS)	4-10	4-7
	VI.	Troubleshooting	4-13	4-10
	VII.	Maintenance of electrical system		4-14
	VIII.	Maintenance of brake system		4-37
	IX.	Maintenance of wheels, hubs, and brake drums	4-45	4-50
	Χ.	Maintenance of spare wheel carrier	4-48	4-51
	XI.	Maintenance of leveling jack and landing gear	4-49	4-52
	XII.	Maintenance of springs and torque rods	4-53	4-54
	XIII.	Maintenance of air suspension system and air mounted fifth wheel kingpin	4-56	4-62

This manual supersedes TM 9-2330-271-14, 12 May 1972, Including all changes.

# TM 9-2330-271-14&P

			Paragraph	Page
	XIV.	Maintenance of air mounted fifth wheel kingpin and resilient kingpin	4-58	4-64
	XV.	Maintenance of van body and associated parts	4-61	4-67
	XVI.	Maintenance under unusual conditions		4-74
CHAPTER	5.	DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTION		
SECTION	l.	Repair parts, special tools, and equipment		5-1
	II.	Troubleshooting	5-3	5-1
	III.	General Maintenance		5-2
	IV.	Removal and installation of major components and assemblies		5-3
CHAPTER	6.	REPAIR OF AXLE AND BRAKE ASSEMBLY AND SPRING SEAT		6-1
CHAPTER	7.	REPAIR OF LANDING GEAR	/-1	7-1
CHAPTER	8.	REPAIR OF SPRING AND TORQUE RODS		8-1
CHAPTER	9.	MAINTENANCE OF AUXILIARY EQUIPMENT		9-1
APPENDIX	Α.	ReferencesCOMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LIST	A-1	A-1
APPENDIX	В.	Introduction	D 4	D 4
SECTION	l.		D-1	B-1
	II. III.	Integral components of end item Basic issue items		
APPENDIX	III. C.	ADDITIONAL AUTHORIZATION LIST		
SECTION	I.	Introduction	C-1	C-1
SECTION	ii.	Additional authorization list		C-1
APPENDIX	D.	MAINTENANCE ALLOCATION CHART		
SECTION	J.	Introduction	D-1	D-1
OLOTION	ıi.	Maintenance Allocation Chart		D-2
	III.	Tools and Test Equipment		D-6
APPENDIX	E.	ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL		20
		SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST		
SECTION	I.	Introduction		E-1
	II.	Repair parts list		
			Figure	Page
GROUP	06.	ELECTRICAL SYSTEM	•	· ·
		0607 Electrical distribution panel, XM822		E-8
		0608 Intervehicular cable receptacle and switches, 24-volt	2	E-10
		0608 Switches, receptacles, circuit breakers, 110/220-volt, XM654		E-12
		0608 Switches, receptacles, 110/220-volt, XM680, XM680E1		E-14
		0608 Switches, receptacles, circuit breakers, 110/220-volt XM822		E-16
		0608 Input power receptacle and timer, XM822		E-18
		0609 Marker clearance light	7	E-20
		0609 Blackout stoplight, XM574, XM574E1, XMb54. XM680, XM680E1,		
		XM738, XM739, XM739E1, XM822 (serial no S2669),	•	<b>-</b> 0.4
		XM823, XM824		E-24
		0609 Stoplight, Taillight, XM574, XM574E1, XM654, XM680, XM680E1, XM738,	J	
		XM739, XM739E1, XM822 (serial no S2669),	0	Б 00
		XM823, XM824	9	E-26
				E-28
		XM847, XM848, XM849, XM850, XM912, XM913		E-20 E-30
		0609 Dome light, 24-volt (all models except XM912, XM913)		E-30
		0609 Dome light, 110-volt, XM654, XM680, XM680E1, XM822		E-34
		0609 Blackout dome light, XM822, Blackout t all light, XM680		E-36
		0609 Fluorescent lighting fixture, XM822		E-38
		0613 Wiring harness, main, XM574, XM574E1, XM680, XM680E1, XM738, XM		_ 00
		XM739E1, XM823, XM824, wiring harness, roof, XM823, XM824		E-40
		0613 Wiring harness, main, XM822 (after serial no S2669), XM844, XM845, XM		0
		XM848, XM849, XM850	•	E-44
		0613 Wiring harness, main, XM654, wiring harness, roof,		
		XM654, XM822 (after serial no S2669)	18	E-46
		0613 Wiring harness, main, wiring harness, roof, XM912, XM913		E-48
		0613 Wiring harness, roof, XM574, XM574E1, XM680, XM680E1, XM738,		
		XM739, XM739E1, XM822 (serial no S2669)	20	E-50
		0613 Wiring harness, roof, XM844, XM845, XM847, XM848, XM849, XM850	21	E-52
		0613 Main dolly harness and interconnecting cable assembly, XM822, XM844,		
		XM845, XM847, XM848, XM849, XM850, XM912, XM913	22	E-54

# TM 9-2330-271-14&P

			Figure	Page
		0613 Wiring harness, dolly taillights and electrical lead assembly, XM822, XM844,		
		XM845, XM847, XM848, XM849, XM850, XM912, XM913	23	E-56
		0613 Cable assembly, air conditioner, XM680, XM680E1,	0.4	F 50
GROUP	11	front wiring harness, XM654	24	E-58
GROUP	- 11	1100 Rear axle assembly	25	E-60
		1100 Axle and bracket assembly, XM574, XM574E1, XM654, XM680,	20	L-00
		XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824	26	E-62
GROUP	12	BRAKES	20	_ 0_
		1202 Brake shoe and related parts	27	E-64
		1202 Service brake attaching parts	28	E-66
		1202 Backing plate assembly	29	E-68
		1204 Hydraulic brake system		E-70
		1204 Hydraulic master cylinder		E-72
		1204 Wheel cylinder and hydraulic tubes	32	E-74
		1208 Brake air system, XM574, XM574E1, XM654, XM680, XM680E1,	00	<b>-</b> -0
		XM738, XM739, XM739E1, XM822, XM823, XM824	33	E-76
		1208 Brake and air suspension air lines, XM844, XM845, XM847, XM848	24	Г 00
		XM849, XM850		E-80 E-82
		1208 Brake air chamber		E-84
		1208 Relay valve		E-86
		1208 Air mounted kingpin air lines, XM847, XM848, XM849, XM850		E-88
		1208 Air mounted kingpin air lines, XM912, XM913		E-90
GROUP	13	WHEELS		2 00
		1311 Wheel assembly	40	E-92
		1313 Tire and tube		E-94
GROUP	15	FRAME AND TOWING ATTACHMENTS		
		1503 Pintle and towing attachments		E-96
		1504 Spare wheel carrier	43	E-98
		1506 Air mounted fifth wheel kingpin assembly, XM847, XM848,		
		XM849, XM850, XM912, XM913		E-100
		1506 Resilient kingpin, XM844, XM845		E-102
		1507 Leveling jack contex VM739 VM730E1		E-104 E-106
		1507 Leveling Jack, center, XM738, XM739, XM739E1	47	E-106
		XM912, XM913)	48	E-108
		1507 Swing-up landing gear, XM847, XM848, XM849, XM850, XM912, XM913	49	E-112
GROUP	16	SPRINGS AND SHOCK ABSORBERS		
	_	1601 Tandem suspension, XM574, XM574E1, XM654, XM680, XM680E1, XM738,		
		XM739, XM739E1, XM822, XM823, XM824		E-114
		1601 Air suspension system components, XM844, XM845, XM847, XM848,		
		XM849, XM850, XM912, XM913	51	E-118
		1601 Air spring air control assembly, XM844, XM845, XM847, XM848,		
000110	4.0	XM849, XM850, XM912, XM913	52	E-120
GROUP	18	BODY	50	E 400
		1801 Interior doors, XM654, XM822	53	E-122
		1801 Side door and rear door, XM844, XM845, XM847, XM848, XM849,	ΕΛ	Г 101
		XM850, XM912, XM913 1801 Rear door, XM574, XM574E1, XM654, XM739, XM739E1		E-124 E-130
		1801 Right side door, XM654, XM680, XM680E1, Right rear door, XM739		E-130
		1801 Left side door, XM680, XM680E1		E-136
		1801 Rear door, XM738, XM823, XM824, Side door,		L 100
		XM739, XM739E1, XM822	58	E-138
		1801 Side door and right rear door, XM738, XM739E1, XM823, XM824	59	E-142
		1801 Right side door and right rear door, XM574, XM574E1		E-146
		1801 Rear doors, XM680, XM680E1	61	E-150
		1801 Front doors, XM680, XM680E1		E-154
		1801 Front door, XM822		E-158
		1801 Rear door and right side door, XM822		E-162
		1801 Miscellaneous body parts		E-166
		1801 Miscellaneous body parts	66	E-170
		1812 Heat exchanger opening assembly, XM680, and fresh air	67	L 424
		opening assembly, XM680, XM680E1	١٥٠٠٠٠٠	E-174

# TM 9-2330-271-14&P

		Figure	Page
		1812 Access openings, XM654	E-178
		1812 Discharge assembly, blower exhaust, XM82269	E-182
		1812 Propane vent outlet, knock engine condenser frame, XM82270	E-184
GROUP	22	1812 Exhaust outlet assembly, knock engine breather assembly, XM82271 BODY ACCESSORY ITEMS	E-186
		2202 Level assembly and reflector72	E-190
		2210 Name and data plate	E-192
		2210 Name and data plate	E-194
		2210 Name and data plate75	E-196
		2210 Name and data plate	E-198
		2210 Name and data plate	E-200
		2210 Name and data plate	E-202
		2210 Instruction plate 79	E-204
		2210 Instruction plate	E-206
GROUP	52	AIR CONDITIONING COMPONENTS	
		5200 Air conditioner, XM65481	E-208
		5200 Air conditioner, XM680, XM680E182	E-210
		5200 Air conditioner, XM822	E-212
		5247 Heater system, XM82284	E-214
		5247 Heater thermostat, XM82285	E-216
GROUP	64	VENTILATING FANS AND BLOWERS	
		6402 Blower installation, XM65486	E-218
GROUP		9905 BULK MATERIAL	
SECTION	III.	Special tools list	
GROUP	31.	TOOLS	
		3101 Special tools87	
	IV.	National stock number and part number index	E-227
APPENDIX	F.	EXPENDABLE SUPPLIES AND MATERIALS LIST Paragraph	)
SECTION	I.	Introduction F-1	F-1
	II.	Expendable supplies and materials list	F-2
APPENDIX	G.	ILLUSTRATED LIST OF MANUFACTURED ITEMSG-1	G-1
ALPHABETICAL I	INDEX	<u> </u>	I-1

# CHAPTER 1 INTRODUCTION

#### Section I. GENERAL

## 1-1. Scope

This manual is for your use in operating and maintaining the Semitrailer, Van: Electronic, 10-ton, 2-wheel, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM849, XM850, XM912, and XM913.

### 1-2. Maintenance Forms and Records

Maintenance forms and records that you are required to use are explained in TM 38-750.

## 1-3. Destruction of Army Materiel to Prevent Enemy Use

For destruction of army materiel to prevent enemy use, refer to TM 750-244-6.

### 1-4. Administrative Storage

For information on administrative storage, refer to TM740-90-1.

### 1-5. Quality Assurance/Quality Control

For quality assurance/quality control procedures, refer to TM 750-245-4.

# 1-6. Reporting Equipment Improvement Recommendations (EIRs)

If your electronic van needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF368 (Quality Deficiency Report). Mail it to us at: US Army Tank Automotive Command, ATTN: DRSTA-MP, Warren, MI 48090. We'll send you a reply.

#### Section II. DESCRIPTION AND DATA

### 1-7. Description (figs. 1-1 through 1-35)

- a. The semitrailer vans covered in this manual are designed to house and transport electronic equipment on either highway or cross country using the M52, M52A1, M52A2 or M818 truck tractor as the towing vehicle.
- b. The following semitrailers are designed to perform the following specific functions:
- (1) The XM574 and XM574E1 semitrailers house and transport general purpose electronic equipment.
- (2) The XM654 semitrailer houses and transports telemetry equipment.
- (3) The XM680 and XM680E1 semitrailers house and transport electronic equipment.
- (4) The XM738 semitrailer houses and transports telephone equipment.
- (5) The XM739 and XM739E1 semitrailers house and transport switchboard equipment.

- (6) The XM822 semitrailer houses and transports a petroleum testing laboratory.
- (7) The XM823 semitrailer houses and transports teletype equipment.
- (8) The XM824 semitrailer houses and transports cryptographic equipment.
- (9) The XM844 semitrailer houses and transports on-line electronic equipment.
- (10) The XM845 semitrailer houses and transports off-line electronic equipment.
- (11) The XM847 semitrailer houses and transports digital terminal No. 1 equipment.
- (12) The XM848 semitrailer houses and transports digital terminal No. 2 equipment.
- (13) The XM849 semitrailer houses and transports secure voice-electronic equipment.
- (14) The XM850 semitrailer houses and transpots voice switch equipment.
- (15) The XM912 and XM913 semitrailers house and transport computer equipment.

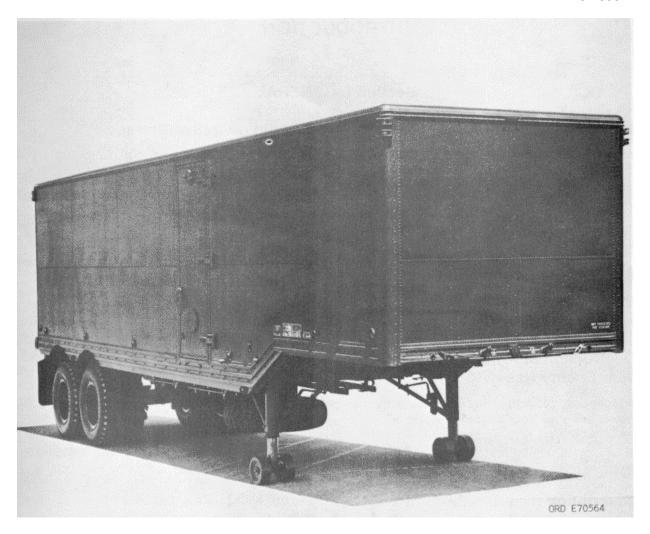


Figure 1-1. Semitrailer, van: electronic, XM574-right front view.



Figure 1-2. Semitrailer, van electronic, XM574-left rear view

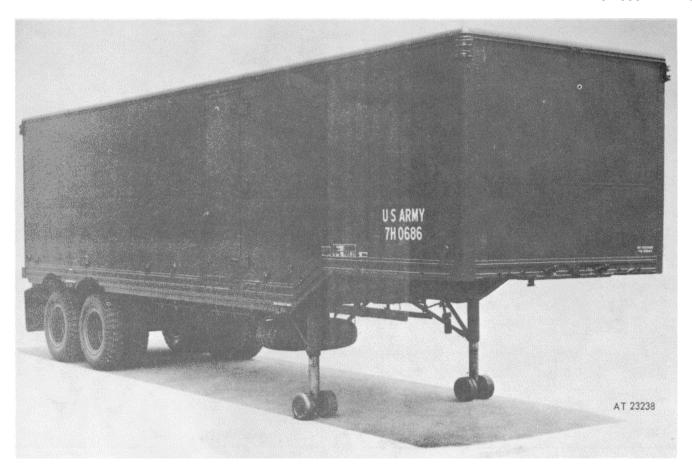


Figure 1-3. Semitrailer. than electronic, XM574E-1-right front view.

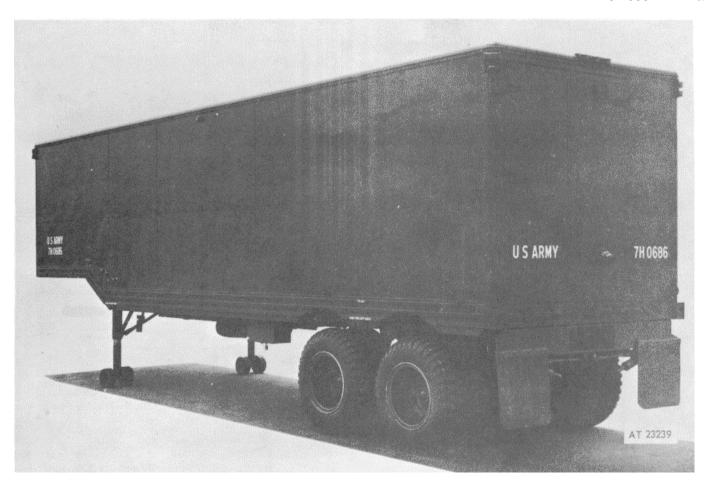


Figure 1-4. Semitrailer, van electronic, XM574El-left rear view

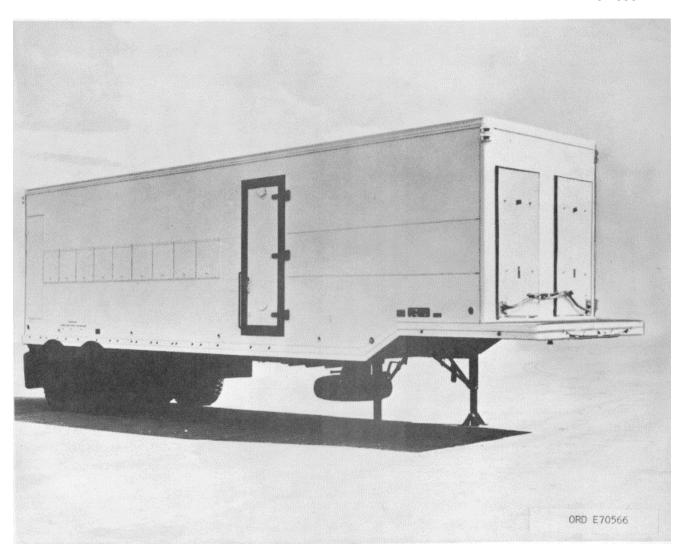


Figure 1-5. Semitrailer, van: electronic, XM654-right front view.

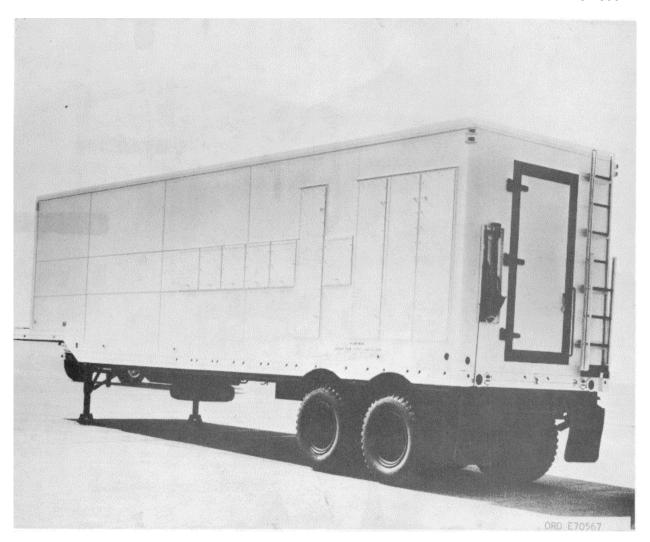


Figure 1-6. Semitrailer, van electronic, XM654-left rear view



Figure 1-7. Semitrailer, van: electronic, XM680-right front view.

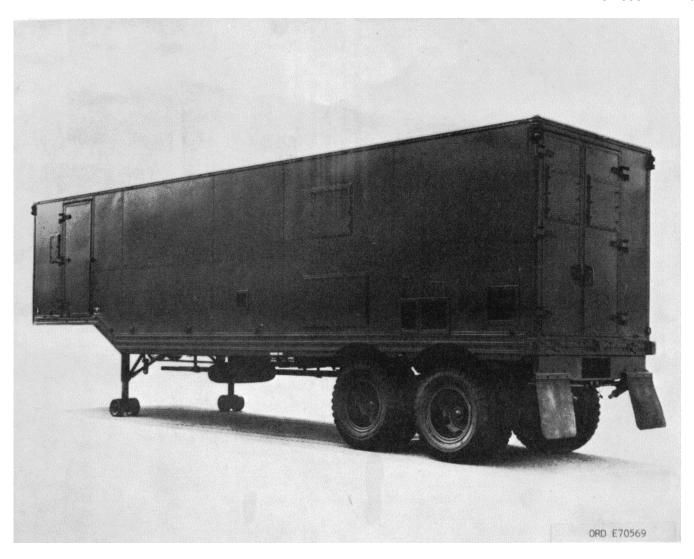


Figure 1-8. Semitrailer, van electronic, XM680-left rear view.



Figure 1-9. Semitrailer, van electronic, XM680E1-right front view.

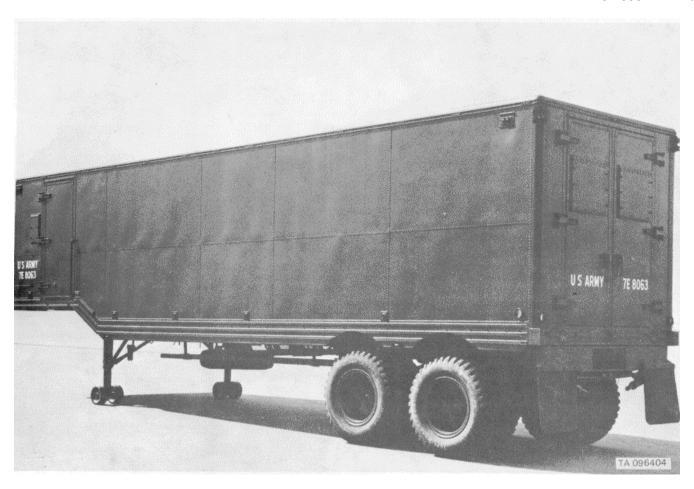


Figure 1-10. Semitrailer, van electronic, XM680E1-left rear view.

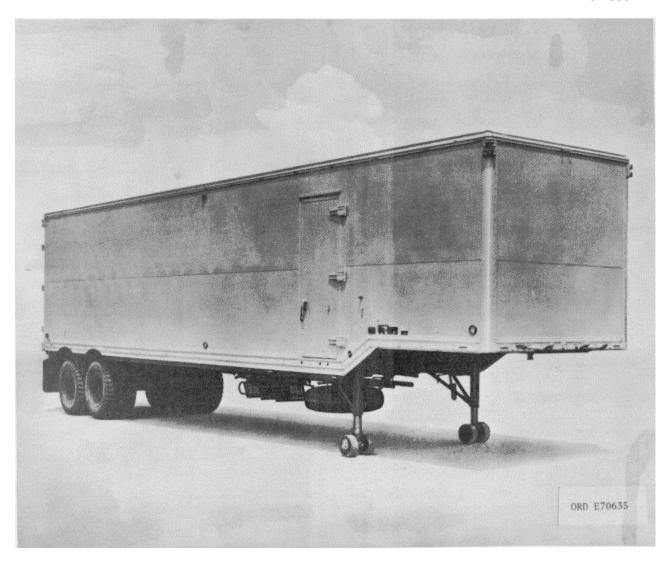


Figure 1-11. Semitrailer, van electronic, XM738, XM739-right front view.

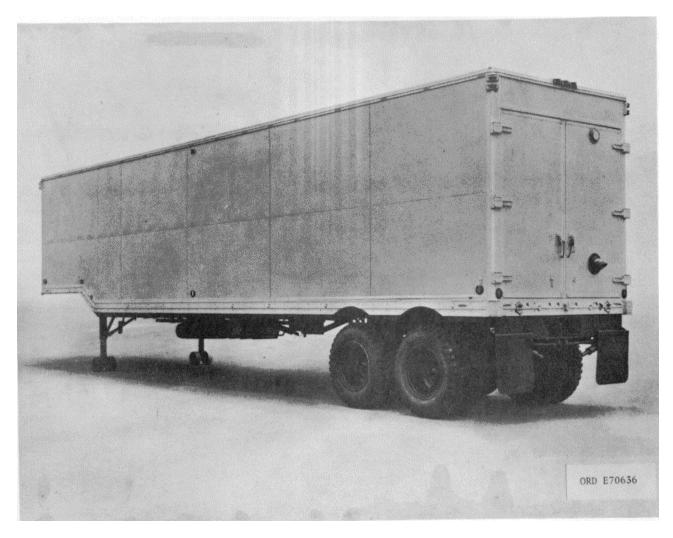


Figure 1-12. Semitrailer, van electronic, XM738-left rear view

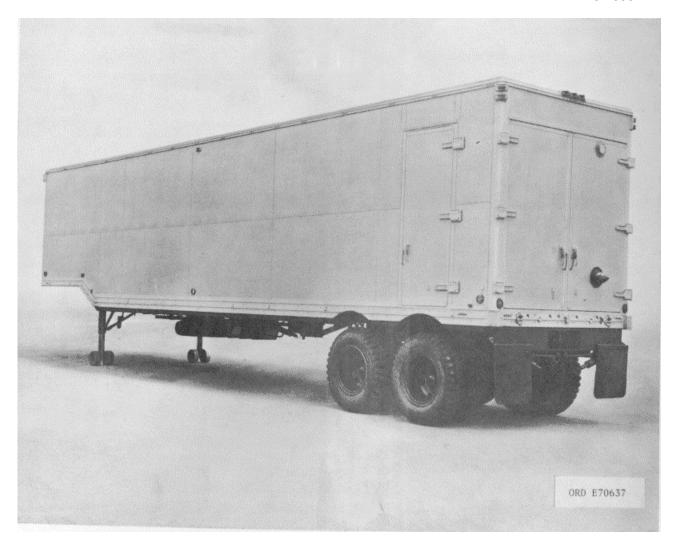


Figure 1-13. Semitrailer, van electronic, XM739-left rear view

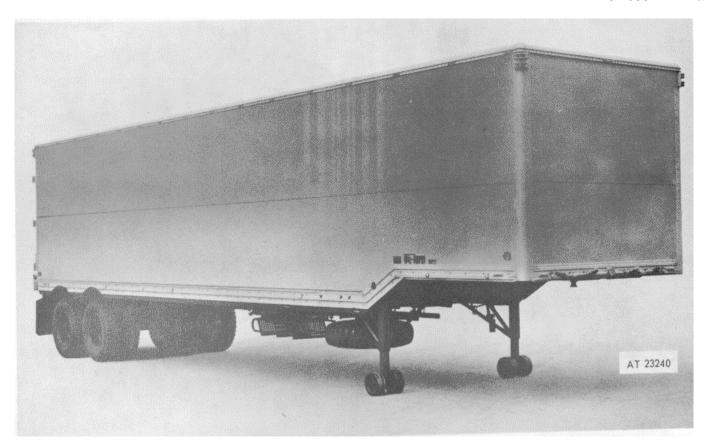


Figure 1-14. Semitrailer, van switchboard, XM739E1-rightfront view

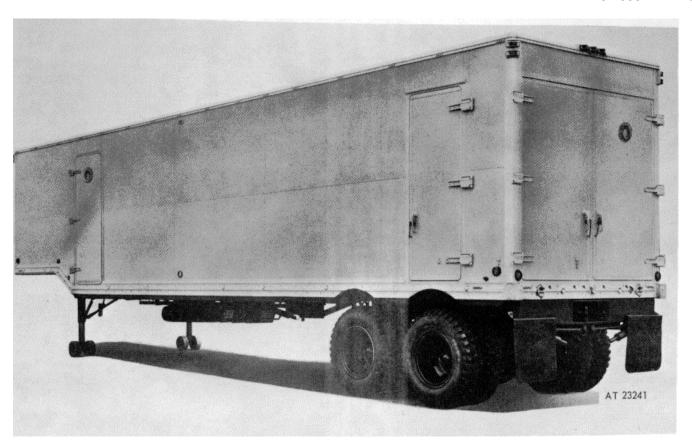


Figure 1-15. Semitrailer, van switchboard, XM739E1-left rear view



Figure 1-16. Semitrailer, van petroleum testing laboratory, XM822-rightfront view

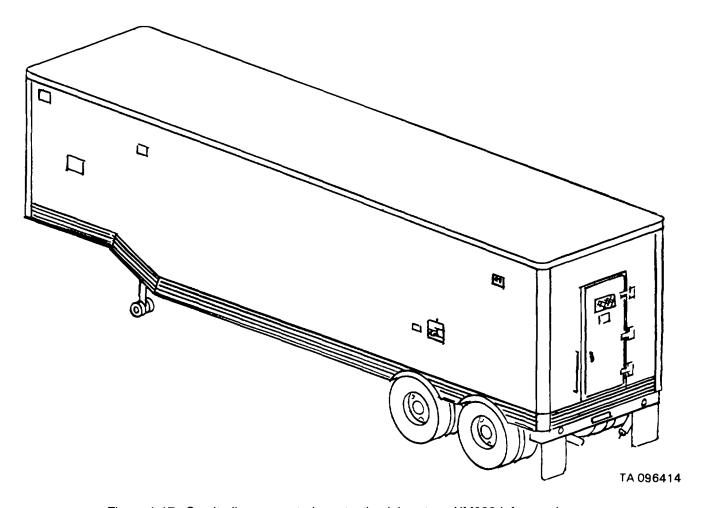


Figure 1-17. Semitrailer, van petroleum testing laboratory, XM822-left rear view



Figure 1-18. Semitrailer, van teletype, XM823-rightfront view

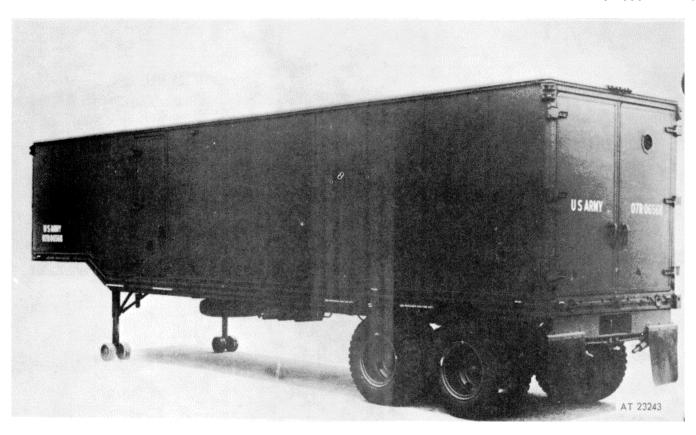


Figure 1-19. Semitrailer, van teletype, XM823-left rear view

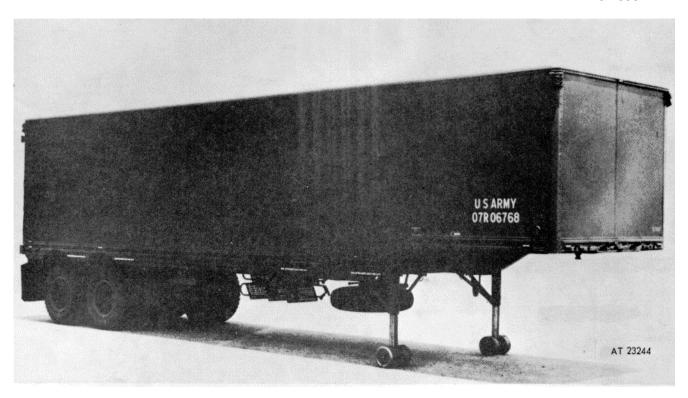


Figure 1-20. Semitrailer, van crypto, XM824-right front view

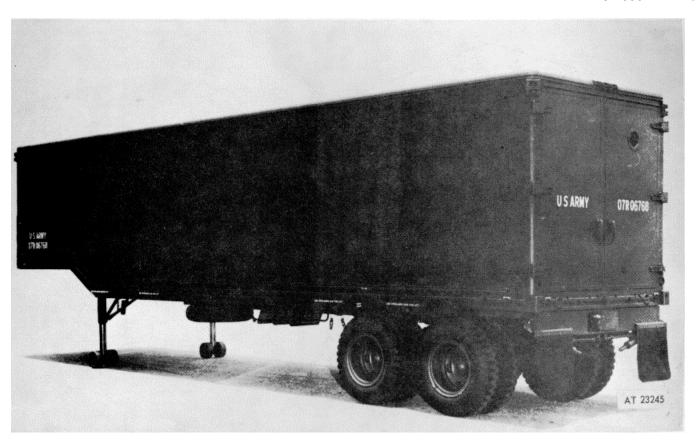
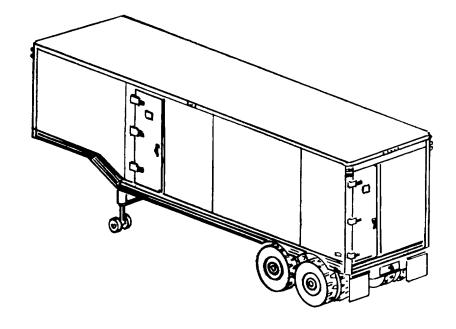
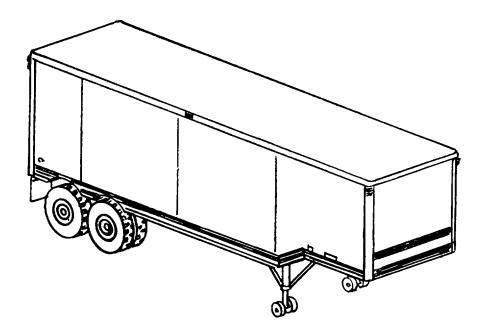


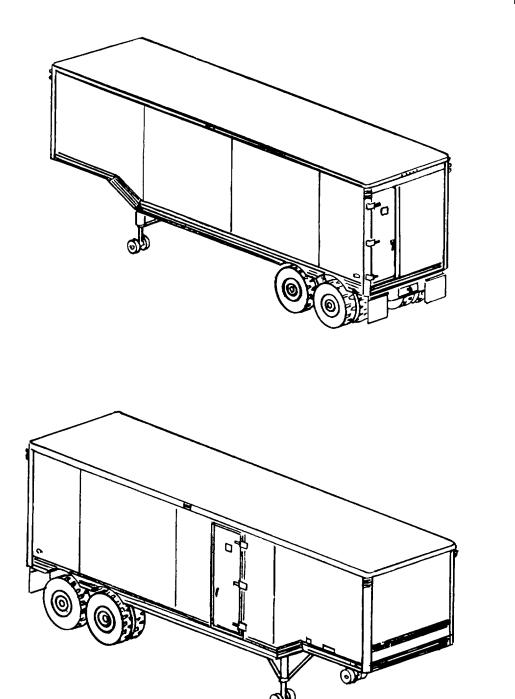
Figure 1-21. Semitrailer, van crypto, XM824-left rear view





TA 032531

Figure 1-22. Semitrailer, van on-line electronic, XM844



TA 032527

Figure 1-23. Semitrailer, van off-line electronic, XM845



Figure 1-24. Semitrailer, van digital terminal no 1, XM847-right front view

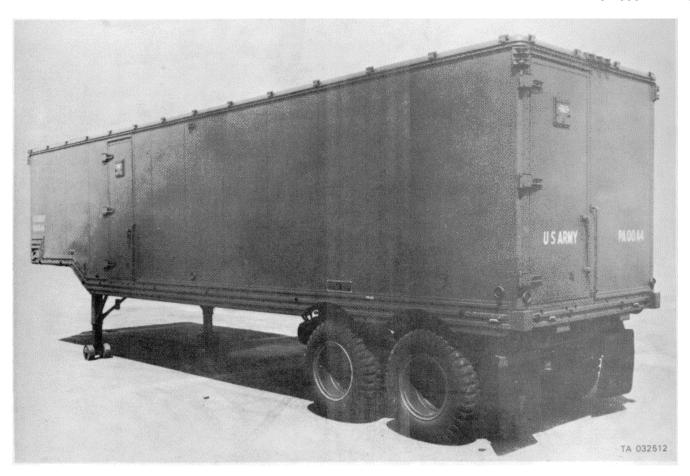


Figure 1-25. Semitrailer, van digital terminal no 1, XM847-left rear view



Figure 1-26. Semitrailer, van digital terminal no 2, XM848-right front view

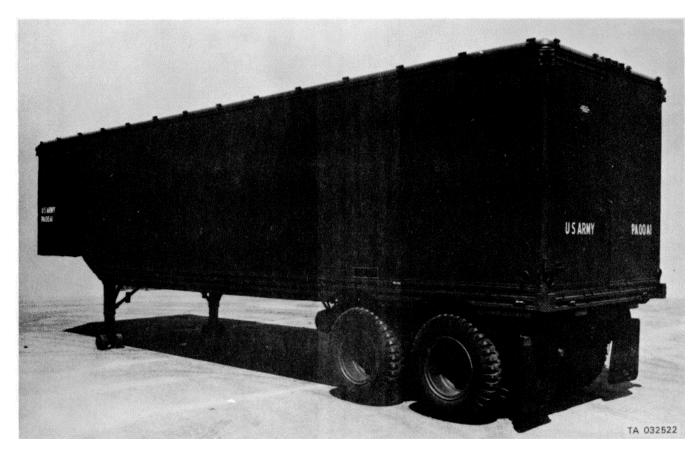


Figure 1-27. Semitrailer, van digital terminal no 2, XM848-left rear view

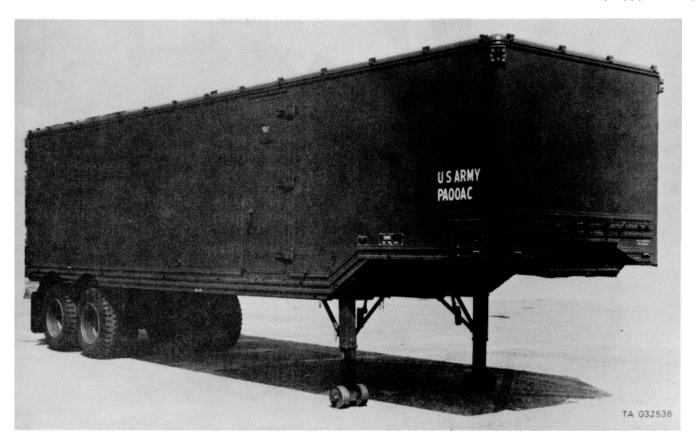


Figure 1-28. Semitrailer, van secure voice, XM849-rightfront view



Figure 1-29. Semitrailer, van secure voice, XM849-left rear view

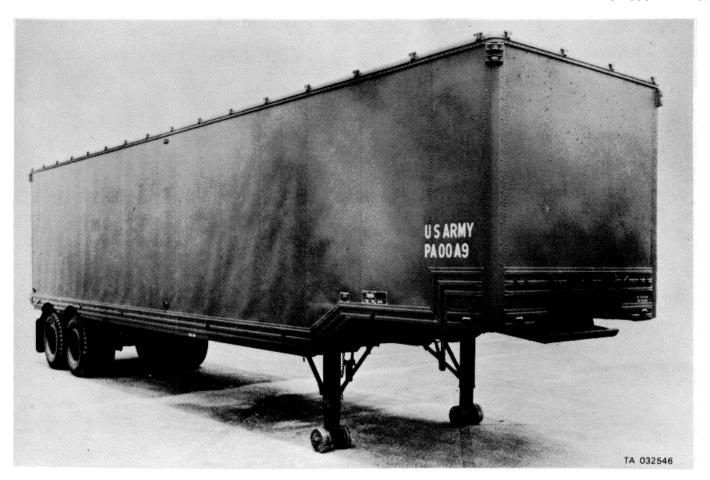


Figure 1-30. Semitrailer, van-voice switch, XM850-right front view

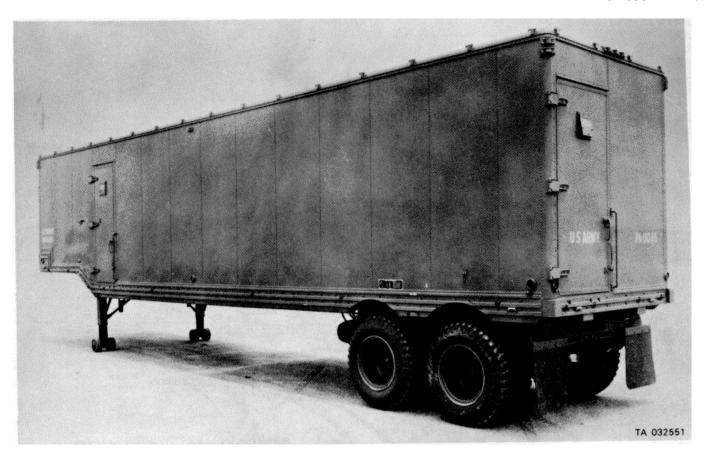


Figure 1-31. Semitrailer, van-voice switch, XM850-left rear view

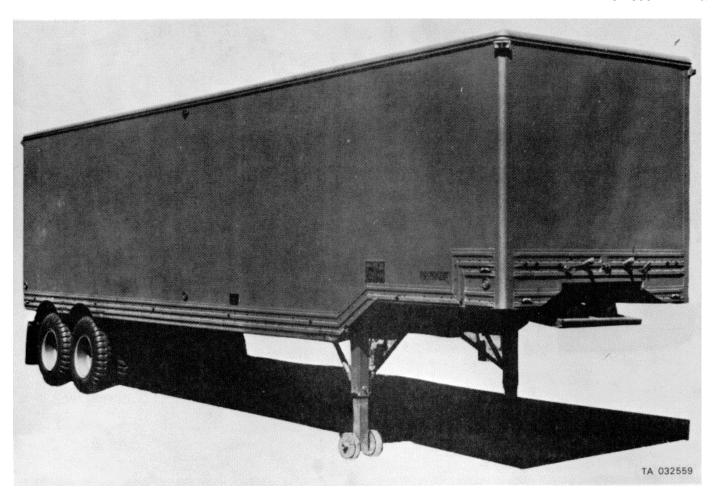


Figure 1-32. Semitrailer, van: main frame, XM912-right front view



Figure 1-33. Semitrailer, van main frame, XM912-left rear view

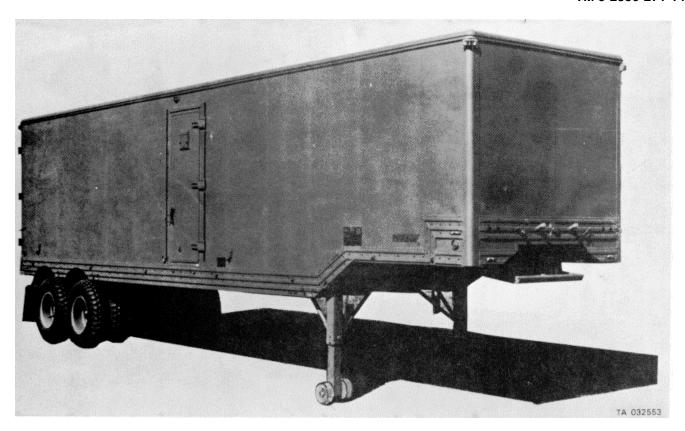


Figure 1-34. Semitrailer, van mass storage, XM913-rtghtfront view.

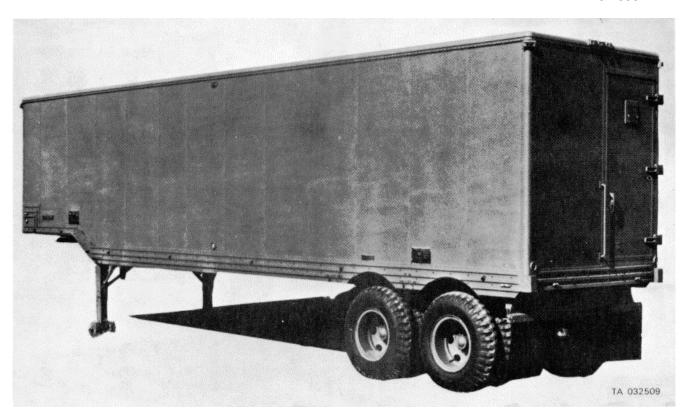


Figure 1-35. Semitrailer, van: mass storage, XM913-left rear view.

#### 1-8. Differences in Models

- a. The semitrailer vans covered in this manual differ in configuration and equipment. Some vans incorporate the conventional tandem suspension, while others are equipped with the air ride suspension. Doors differ both in quantity, location and configuration. Some semitrailers incorporate a swing-up landing gear instead of the rigid type.
- b. The interior of the XM822 semitrailer (petroleum testing laboratory) is composed of three

compartments: laboratory compartment, which is entered through the rear curbside door; utility compartment, which is entered through the forward curbside door: and the rear compartment, which is entered through the rear van door and an inside door located in a partition at the rear of the laboratory compartment. Purging and airconditioning ducts are built into the ceiling (fig. 1-36).

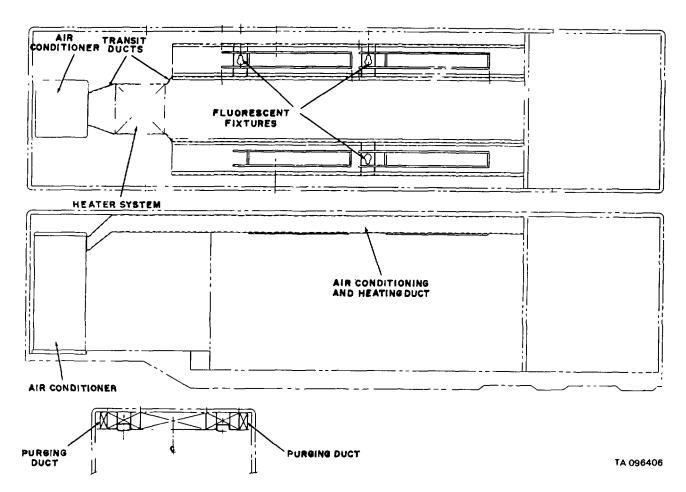


Figure 1-36. Air conditioning and purging ducts, XM822.

c. In addition to the differences noted in the tabulated data (paragraph 1-10), Table 1-1 lists the differences among the various models.

# Table 1-1. Differences Among Models

ont Platform XM654	
All other models	None
ors	
Rear	
XM654, XM822	
XM844, XM845, XM847, XM848, XM850, XM912	
XM913	Single door on right
XM574, XM574E1, XM680, XM680E1, XM738, XM739, XM739E1, XM823,	
_ XM824, XM849	Double doors
Front	
XM680, XM680E1	
XM822	Single door in center
Curbside	
XM574, XM574E1, XM654, XM913	
	center
XM680, XM680E1	
XM738, XM739, XM824, XM845, XM847, XM848, XM849	
XM822	
	one rear of drop
XM739E1, XM823, XM844, XM850, XM912	None
Roadside	
XM680, XM680E1	
XM739	
XM739E 1	
	rear of drop
XM823, XM844, XM847, XM850, XM912	Single door, rear of drop
XM574, XM574E1, XM654, XM738, XM822, XM824, XM845, XM848,	
XM849, XM913	None
Landing Gear	
XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739,	
XM739E1, XM822, XM823, XM824, XM844, XM845	Rigud landing gear
XM847, XM848, XM849, XM850, XM912, XM913	
XM654	
All other models	Wheels on landing gear
Leveling Jack	
XM738, XM739, XM739E1	4 leveling jacks, 2 at rear, 2 at
	center of van
All other models	2 leveling jacks at rear
Leveling Jack Pad	
XM680	
All other models	Ordnance standard
Ladder	
XM654	16 ft aluminum extension ladder
	and 2 boarding ladders stowed
	under van, 12 ft ladder hinged at
	right rear to allow it to swing
	down
XM822	
	one 4-step boarding ladders
	stowed under van
All other models	
	ladders stowed under van
Suspension	
XM574, XM574E1, XM654, XM680, XM680E1, XM738,	
XM739, XM739E1, XM822, XM823, XM824	Tandem suspension
XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913	Air ride suspension
Kingpin	,
XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822	
XM823. XM824	Stariuaru Kiriubiri
XM823, XM824 XM844, XM845	

# Table 1-1 Differences Among Models - Continued

Level Assembly	
XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845	
XM847, XM848, XM849, XM850, XM912, XM913	,
Access Panels	the corners, for van leveling
Curbside	40
XM654	
XM680	
XM822	
All other models	none
Roadside	40
XM654	
XM680	
XM822	
All other Models	None
Fire Extinguisher	0
XM574E1, XM654, XM680, XM6801	
XM738, XM739, xm739E1	
XM822	
All other models	None
Pioneer Tool Bracket	
XM574E1, XM654, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844,	
XM845, XM847, XM848, XM849, XM850	1
Blower Installation	
XM654	2
Air Conditioner	<b>-</b>
XM654, XM680, XM68OE1, XM822	
All other models	None
Heater	
XM654, XM680, XM68OE1	
W. 1000	
XM822	
All other models	None

### 1-9. Name, Data and Instruction Plates

- a. Name and Data Plate. This plate, located on the front, right side of the van, lists the name of the vehicle, national stock number, manufacturer's serial number, contract number, publications concerning the vehicle, delivery and inspection dates, weight and dimension data, and shipping cubage.
- b. Instruction Plate for Landing Gear and Leveling Jack. This plate, located on the side of the van body above the landing gear crank access hole, contains instructions for operating the landing gear and leveling jack.
- c. Removable Dolly Instruction Plate. This plate, located on the right side (left side on some semitrailers) of the dolly frame, contains instructions for removing the dolly.
- d. Instruction Plate for Adapter Storage. This plate, located midpoint on the lower left side of the van body, contains information on the proper method to store the components of the adapter assembly.

1-10.	Tabulated Data	
a.	General.	
	Towing facility	
	All models	Kingpin
Dimensi	ons:	0.
Ove	erall length	
	XM574, XM574E1, XM680,	
	XM680E1, XM822	374 in.
	XM654	
	XM738, XM739, XM739E1,	
	XM850	456 in.
	XM823, XM824, XM844,	
	XM845,XM847, XM848,	
	XM849	410 in.
	XM912, XM913	425 in.
Ove	erall Width	
	All models	96 in.
Kin	gpin to front	
	XM654	24 in.
	all other models	18 in.
Kin	gpin to center of axle	
	XM574, XM574E 1, XM680,	
	XM680E1, XM822	283 in.

# TM 9-2330-271-14&P

		TM	9-2330-271-14&P
nensions:		Dimensions:	
XM654	335 in.	XM847	4,650 lbs.
XM738, XM739, XM739E1,		XM848	4,610 lbs
XM850	372 in	XM849	
XM823, XM824, XM844,		XM850	•
XM845, XM847, XM848,		XM912	•
XM849	319 in	XM913	
XM912, XM913		Weight on wheels (empty)	
Overall height (operational)		XM574	8 200 lbs
XM574, XM574E1, XM680,		XM574E1	
XM680E1, XM823, XM824,		XM654	
XM844, XM845,	122 in	XM680	
XM847, XM848, XM849		XM680E1	
XM654	149.5 In.	XM738	
XM738, XM739, XM739E1,		XM739	•
XM822, XM850		XM739E1	
XM912, XM913	141 in.	XM822	
Overall height (reduced)		XM823, XM824	•
XM574, XM574E1, XM680,		XM844, XM845	9,000 lbs.
XM680E1, XM823, XM824,		XM847	9,180 lbs.
XM844, XM845,		XM848	9,100 lbs.
XM847, XM848, XM849	93 in.	XM849	9,190 lbs.
XM654		XM850	
XM738, XM739, XM739E1,		XM912	
XM822, XM850	103 in.	XM913	
XM912, XM913		Cubbage (shipping)	
Weight (empty)	102 III.	XM574, XM574E1	2710 cu. ft
XM574	11 5/10 lbe	XM654	
XM574E 1		XM680, XM680E1	
XM654		XM738, XM739, XM739E1,	2737 Cu. II.
	· ·	XM850	2660 au #
XM680			
XM680E1		XM822	2967 Cu. It
XM738		XM823, XM824, XM844,	
XM739	•	XM845, XM847, XM848,	0000 6
XM739E1		XM849	
XM822		XM912, XM913	3384 cu. ft.
XM823, XM824		b. Axle	
XM844, XM845		Tubular ordnance standard	
XM847	13,830 lbs.	All models	10,000 lbs.
XM848	13,710 lbs.	<ul> <li>c. Brake system</li> </ul>	
XM849	13,920 lbs.	Actuation (all models)	Air-over
XM850	15,104 lbs.		
XM912		Brake assemblies	,
XM913		(all models)	4
Weight on kingpin (empty)		d. Electrical system.	
XM574	3 250 lbs	Voltage	
XM574E 1		All models	24-volt de
XM654	•	XM654	
XM680	•	AW054	dc breaker
	•		
XM680E1			panel for
XM738, XM739			110-volt ac
XM739E1			and 440-
XM822			volt ac
XM823, XM824			
XM844, XM845	4 220 lbc		

TM	9-233	0-271	-14&F
----	-------	-------	-------

			TM 9-2330-271-14&
Voltage			3 in. rebound)
XM680, XM680E1	24-volt dc	Tire Inflation:	
	breaker panel for	Air spring	Neoprene nylon
	208-volt ac		air cell operative to
	and 110-volt ac		-40° F
	Power source	Assembly weight	
XM822	Outside	(including air controls)	450 lbs.
	power/	g. Suspension system.	
	source for	XM574, XM574E1, XM654,	
	110/220-volt ac	XM680, XM680E1, XM738,	
24-volt dc (all models)	Towing vehicle	XM739, XM739E1	
e. Tires (all models)	3	XM822, XM823, XM824	Tandem
Number	8	, ,	suspension
Type		XM844, XM845, XM847,	
31 -	pneumatic	XM848, XM849, XM850,	
Design		XM912, XM913	Air suspension
			•
Number of plies		Capacity	
Tire inflation	-	Weight (including diagonal	-,
Highway	35 psi	braces and air spring	
Cross-country		mounting plates)	500 lbs.
Sand, mud, snow		Axle travel	
f. Kingpin assembly.	- 1		41/2 in. up, 4
XM574, XM574E1, XM654,			in. down
XM680, XM680E1, XM738,		Air spring	
XM739, XM739E1, XM822,			air cell operative
XM823, XM824			to- 40°F
XM844, XM845		h. Landing gear.	
XM847, XM848, XM849,	gp	XM574, XM574E1, XM654,	
XM850, XM912,		XM680, XM680E 1, XM738,	
XM913	Air mounted	XM739, XM739E1,	
71110 10 111111111111111111111111111111	kingpin	XM822, XM823, XM824,	
Air pressure		XM844, XM845	Standard
7 til prodouto	static load-60		
	psig	XM847, XM848, XM849,	rigia typo
Stroke		XM850, XM912, XM913	Swing-up
	(3 in. total		• .
	compression,		you
	compression,		

# CHAPTER 2 OPERATING INSTRUCTIONS

#### CAUTION

If equipment fails to operate, refer to troubleshooting procedure in Chapter 3.

#### Section I. OPERATING PROCEDURES

## 2-1. General

This section describes, locates, and illustrates the semitrailer operating controls. It also provides the operator with sufficient information to use the various controls for operation of the semitrailer under normal conditions. Operation under unusual conditions is described in section III of this chapter.

# 2-2. Coupling Semitrailer to Towing Vehicle

- a. Connect Kingpin to Fifth Wheel.
- (1) Using landing gear crank (paragraph 2-5), raise or lower semitrailer until the kingpin is slightly higher than the rear of fifth wheel plate on towing vehicle.
- (2) Slowly back towing vehicle until kingpin slides into notch on fifth wheel plate and locks into catch.
  - (3) Raise landing gear legs.
  - b. Connect Air Brake Hoses.
- (1) Remove dummy couplings on front of semitrailer and place in their supports.
- (2) Connect coupling marked SERVICE on towing vehicle air hose to coupling marked SERVICE on semitrailer.
- (3) Connect coupling marked EMERGENCY on towing vehicle air hose to coupling marked EMERGENCY on semitrailer.
  - c. Open Air Shutoff Valve.
- (1) Make certain air reservoir drain cock is closed (fig. 2-5).
- (2) Open two air shutoff valves on towing vehicle to pressurize semitrailer air system.
  - d. Connect Electrical Cable.
- (1) Plug intervehicular 24-volt electrical cable on towing vehicle into receptacle at front of semitrailer.
- (2) Check to see that all lights are in working order (Note, paragraph 3-9).
- e. Check Air Springs, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913.

- (1) Build up air pressure on towing vehicle to 65 psi. Visually inspect for proper air spring inflation. Check to see that semitrailer is level when air springs are fully inflated.
- (2) Tow semitrailer at operating speeds and note any irregularities in leveling.
- (3) Park towing vehicle and shut down engine. Air springs should slowly deflate in a level condition.
- (4) Check and have tightened nuts, bolts, and air connections as required.

### 2-3. Uncoupling Semitrailer from Towing Vehicle.

- a. Block semitrailer wheels with the wheel chocks.
- *b.* Lower landing gear legs until they support the front of the van body (paragraphs 2-5 and 2-6).
- c. Disconnect air brake hoses from towing vehicle.
- *d.* Disconnect 24-volt power supply cable from semitrailer.
- *e.* Release kingpin lock on the fifth wheel and drive towing vehicle away from van body.

# 2-4. Preparing Semitrailer for Operation.

- a. Preliminary Steps
- (1) Disconnect from towing vehicle (paragraph 2-3 above).
  - (2) Level van body (paragraph 2-10c).
  - b. Check-Out Procedures.
- (1) Doors Open and close all doors to check operation of hinges and latching mechanism.
- (2) Ladders. Remove boarding ladders from ladder brackets on underside of semitrailer. Position ladders in their location and inspect for proper mating of ladder latch in holes below each door. Check operation of ladder clamp assembly (paragraph 2-11).
- (3) Window (XM822) Check window glass and condition of the seals around the window.

- (4) Electrical system. Connect 24-volt power to the semitrailer through the intervehicular cable from the towing vehicle to the intervehicular cable receptacle. Connect 110 and 220-volt power through the respective power entrance receptacle. Turn switches and circuit breakers to the ON position and observe that all lights illuminate and that all switches are operable. Check that receptacles are operable using an extension light.
- (5) Air conditioner (XM654, XM680, XM680E1, XM822) Start air conditioner to check operation of thermostat and controls (paragraph 2-14, 2-15, 2-16).
- (6) Heater (XM822). Start heating system to check operation of thermostat and controls (paragraph 2-17).
- 2-5. Landing Gear Crank, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845.
- a. The operating crank is located on the outer side of the landing gear and to the rear of the kingpin (figs. 2-1 and 2-2).

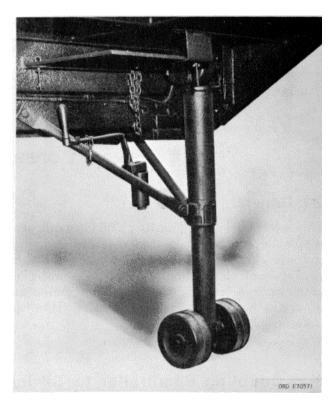


Figure 2-1. Landing gear, XM574, XM574E1, XM680, XM680E1, XM738, XM739, XM7S9E1, XM822, XM823, XM824, XM844, XM845

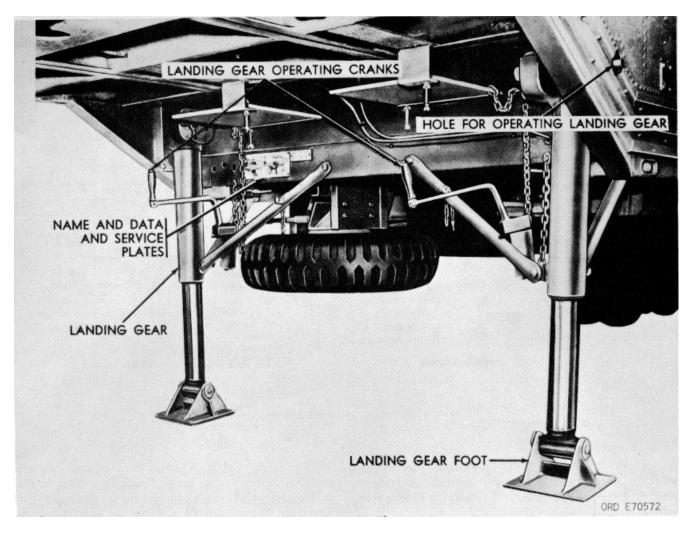


Figure 2-2. Landing gear, XM654

- b. Turning crank in a clockwise direction lowers the landing gear and raises front of van; turning crank counterclockwise raises the gear and lowers front of van.
- c. Pushing crack handle in will obtain a low speed action and pulling the handle out will provide a high speed action. Normally, the high speed position will be used when there is no load on the chassis. The low speed position is used when the load becomes too great to turn the crank handle in the high speed position.
- d. The operating crank has a ratchet head which enables the operator to crank the landing gear without making a complete revolution. A lever on the trailer side of the crank head is positioned for the direction of rotation desired.
- 2-6. Swing-Up Landing Gear, XM847, XM848, XM849, XM850, XM912, XM913 (fig. 2-3).

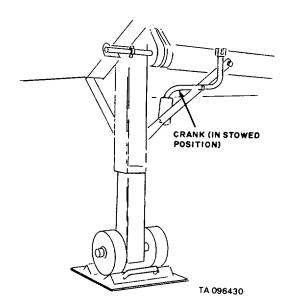


Figure 2-3. Swing-up landing gear, XM847, XM848, XM849, XM850, XM912, XM91S

## a. Operation (fig. 2-4).

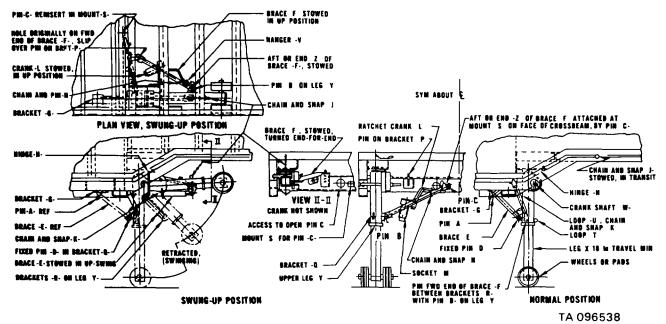


Figure 2-4. Operation and swing-up procedures.

- (1) With landing gears in normal operating position with legs contacting ground, unfasten snap and chain assembly (N). Remove crank (L) from stowage socket (M).
- (2) Position slot in crank (L) to engage pin in shaft (W).
- (3) Landing gears are two speed separately operated landing legs.
  - (4) Pull out shaft (W) for speed travel.
  - (5) Push in shaft (W) for low speed travel.
- (6) Set ratchet on crank (L) to raise or lower trailer. Clockwise rotation raises van. Counterclockwise rotation lowers van.
  - b. Swing-Up Procedure (fig. 2-4).

### **NOTE**

Swing landing gear to horizontal position for aircraft loading only.

## WARNING

Semitrailer must be supported on the Kloader. Be sure all toggle pins have been lubricated with GAA grease and are operable and removable.

- (1) Using crank (L), retract leg (X) approximately 12 inches. Replace crank (L) in stowed position on brace (F). Refasten snap and chain assembly (N).
- (2) Remove pin (A) from small brace. Remove pins (B and C) from large brace (F). This is the brace with the crank stowed on it. Fasten small brace to leg assembly with snap and chain assembly (K).
- (3) Pick up brace (F) with crank (L) stowed on it. Turn brace end for end (plan view). Aft end (Z) is now at forward end near pin (B). Place end hole around pin on bracket (P).
- (4) Manually lift each leg assembly carefully to horizontal position. Attach snap and chain assembly (J) to hold each leg. Aline hole in end (Z) of brace (F) on top of (not between) brackets (R) on leg assembly (Y).
- (5) Insert pin (B) to secure each landing gear and brace in wing-up position.
  - c. Swing-Down Procedure (fig. 2-4).
    - (1) Remove pin (B).
- (2) Remove snap and chain assembly (J) which secures each leg.
- (3) Carefully and slowly allow leg to extend to the vertical position.
- (4) Position brace (F) with crank (L) stowed on it, making certain to turn it end for end to the position is occupied prior to performance of step (3) above.

- (5) Release snap and chain assembly (K) and allow brace (E) to engage bracket (G) while lowering leg assembly.
- (6) Install pin (C) into mount (S). Install pins (A and B).

# 2-7. Air Brake Half Couplings (fig. 4-34).

a. Two air brake half couplings are mounted on the front of the chassis. The coupling on the right side is labelled SERVICE by a metal tag attached to the coupling. The other coupling (on the left) is labelled EMERGENCY. When the SERVICE air brake coupling on the towing vehicle is connected to SERVICE coupling on the chassis and the EMERGENCY air brake coupling is connected to EMERGENCY coupling, the service

braking system on the chassis is controlled from the towing vehicle.

b. Connect the dummy couplings to the air brake couplings to prevent dirt from entering the braking system when the chassis is not connected to the towing vehicle.

## 2-8. Air Reservoir Drain Cocl (fig. 2-5)

- a. The hand operated drain cock is located at end and bottom of air reservoir.
- b. Turn counterclockwise to open drain cock to drain moisture and to permit release of air pressure if brakes lock. Turn clockwise to close drain cock.
- c. Open drain cock daily after semitrailer operation. Close before operation.

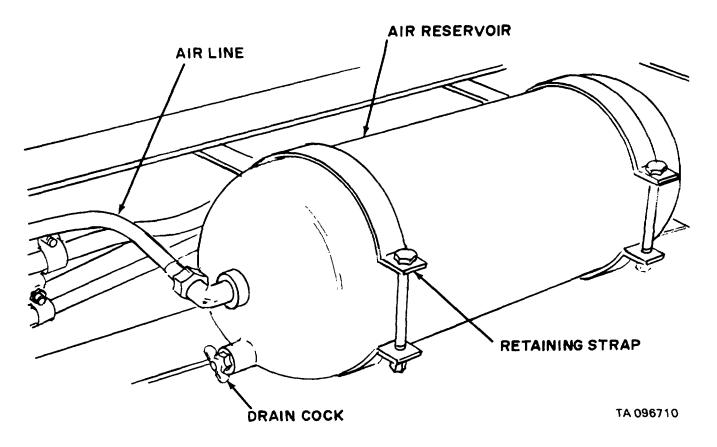
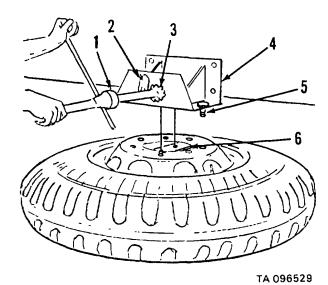


Figure 2-5. Air reservoir drain cock.

# 2-9. Removal and Installation of Spare Wheel and Tire

- Removal (fig. 2-6). a.
- (1) Working from curbside of semitrailer, use wheel nut wrench (1) and remove two wheel nuts which secure wheel to upper member (4) of spare wheel carrier.
- (2) The wheel and lower pick-up member (6) are held in place by the wire rope.
- (3) Place wheel nut wrench (1) on the nut at outer end of ratchet wheel (3) on which the wire rope is wound.
- (4) Release pawl (2) from ratchet and turn wrench counterclockwise to lower wheel to ground.



- Wheel nut wrench
- 3 Ratchet wheel
- Upper member
- Securing bolts
- Pick-up member

Figure 2-6. Removing and installing spare wheel and

- (5) Slide wire rope and pick-up member (6) through center hole in wheel.
  - (6) Remove the spare wheel.
  - Installation (fig 2-6).
- (1) Remove the wheel nuts securing lower pick-up member (6) to upper member (4) of spare wheel carrier.
- (2) Release pawl (2) from ratchet and lower pick-up member to the ground.
- (3) Rotate pick-up member (6) until it alines with wire rope and insert rope through large hole in wheel. Rotate pick-up member so that it is at right angles to wire rope.
- (4) Set pawl (2) in contact with the ratchet and turn wheel nut wrench (1) on ratchet wheel (3) clockwise to raise the wheel.

- (5) As wheel moves up to carrier assembly, aline securing bolts (5) with any two holes in wheel.
- (6) After wheel is tight against upper member, tighten the wheel nuts, using wheel nut wrench (1).

#### 2-10. Leveling Jack (fig. 2-7)

a. A jack assembly is provided at each rear corner of the semitrailer It consists of a housing assembly, screw, removable jack shoe, and handle.

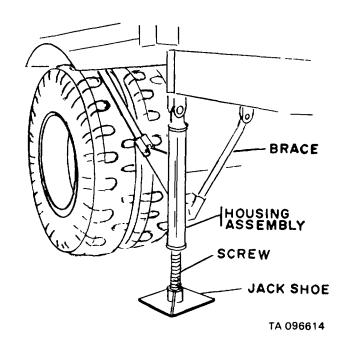


Figure 2-7. Leveling Jack.

- To operate, follow procedure below:
- (1) Remove leveling jack shoe located on crossmember just forward of tandem suspension and place shoe on the ground in alinement with jack assembly.
- (2) Pull out the two retaining pins securing jack to rear of semitrailer frame and allow jack to swing down into vertical position.
- (3) Pull out the retaining pin from the short side brace and pin brace to gusset on side of jack housing.
- Swing long rear brace up into position and pin in place.
- (5) Insert handle m hole at bottom of actuation screw and turn clockwise to lower actuator screw on to the shoe.

- c. To level van body, proceed as follows:
- (1) Follow procedure of paragraph b above to set leveling jacks in operating position.
- (2) Check the four levels at rear corners of van body and adjust leveling jacks as required.
- (3) Check the four levels at front corners of van body. Level front end of van body, using the landing gear.
- (4) Check all eight levels. Adjust each leveling jack or landing gear leg until the bubbles of all eight levels are centered.
  - d. To retract and stow, proceed as follows:
- (1) Insert handle in hole at bottom of actuation screw and turn counterclockwise to retract actuator screw.
  - (2) Remove handle and stow in pintle recess.
- (3) Pull out retaining pin securing long rear brace in position.
- (4) Pull out retaining pin securing short side brace to gusset on side of jack housing assembly.
- (5) Swing leveling jack up to horizontal position and secure with two retaining pins at rear of semitrailer frame.
- (6) Secure leveling jack shoe on crossmember.

#### 2-11. Ladder

- a. A 12-foot extension ladder is stored under all semitrailers except the XM654 and XM913. A 16-foot aluminum extension ladder is stored under the XM654 semitrailer. The XM654 semitrailer also has a 12-foot hinged ladder located on the right side of the rear wall.
- b. Each semitrailer has two boarding ladders stored under the van. The XM574, XM574E1, XN654, XM738, XM739, XM739E1, XM823, XMZ824, XM844, XM845, XM847, XM848, XM849, XM850, XM912 and XM913 semitrailers have two three-step ladders.
- c. The XM680 and XM680E1 and semitrailers have one three-step ladder and one four-step ladder. The XM822 semitrailer has two three-step ladders and one four-step ladder.
  - d. Installing Boarding Ladder.
- (1) A boarding ladder latch assembly is located on each side of the ladder at the end to be attached to semitrailer.
- (2) To attach the boarding ladder to the semitrailer, turn left latch assembly handle to the right and right latch assembly to the left.
- (3) Insert ladder end into mounting holes under the door.
- (4) Turn left latch assembly handle to the left and right latch assembly handle to the right to secure ladder to the semitrailer.

### 2-12. Tarpaulin and Bows.

- a. All semitrailers except XM654, XM822, XM912 and XM913 have a solar tarpaulin (fig. B-4). Remove tarpaulin and bows from the stowed location under the chassis. The two end bows (fig. B-4) are shaped differently from the center bows (fig. B-4). The bow assemblies are provided with a hook and fastener at each end. The fasteners are screwed snugly into the tapped holes in the receiving plates at the top of the van walls. The tarpaulin is then stretched over the bows and tied
- b. The XM844, XM845, XM847, XM848, XM849, and XM850 semitrailers have rods (fig. B-4) instead of bows to secure the tarpaulin. Insert rods into sockets on semitrailer and stretch tarpaulin over rods Tie tarpaulin ropes to each bracket incorporating the socket.

# 2-13. Escape Lock Assembly

Some doors are equipped with an escape lock to enable personnel within the semitrailer to open locked doors. To operate the escape lock, push interior handle in to disengage the clutch, turn handle, and open door. The following doors are equipped with an escape lock:

Semitrailer XM574, XM574E1	<b>Door</b> Right side door
XM738	Right rear door Right side door Right rear door
XM739 XM739E1	Left rear door Both side doors Both left side doors Right rear door
XM822	Both right side doors
XM823	Rear door Left side door
XM824	Both rear doors Right side door Both rear doors
XM844	Left side door
XM845	Rear door Right side door
XM847	Rear door Both side doors
XM848	Right rear door Right side door
XM849	Right rear door Right side door
XM850	Both rear doors Left side door
XM912	Right rear door Left side door Left rear door
XM913	Right side door Right rear door

### Section II. OPERATION OF AUXILLARY EQUIPMENT

# 2-14. Air Conditioner, XM654 (fig. 9-1).

#### a. General.

- (1) Two model CE60VAL6, 208-volt, three phase, 60 Hz, 60,00 BTU air conditioners are mounted on the front platform of the XM654 semitrailer.
- (2) The remote control units are located on the right side wall near the partition.
- (3) A blower is incorporated in the system and operates automatically when the units are activated.
- (4) Refer to TM 5-4120-235-15 for operation and service instructions.
  - b. Operating Air Conditioner for Cooling
- (1) Set the thermostat on the remote control unit to the desired temperature.
  - (2) Place selector switch to COOL.
- (3) To stop air conditioner, place selector switch to OFF.
  - c. Operating Air Conditioner for Heating.

#### **CAUTION**

# Wait 5 minutes after stopping air conditioner before restarting unit.

- (1) Set thermostat on remote control unit to the desired temperature.
- (2) Place selector switch to the desired position (LO HEAT or HI HEAT).
- (3) To stop air conditioner, set selector switch to OFF.

# 2-15. Air Conditioner, XM680 XM680E1 (fig. 9-2).

#### a. General

- (1) Four model CE20VAL6, 208-volt, three phase, 60 Hz, 18,000 Btu air conditioners are mounted in front of the XM680 and XM680E1 semitrailers, directly to the rear of the front doors.
- (2) The remote control units are located on the inside face of the front bulkhead (fig. 9-2)
- (3) The damper control consists of a chain and linkage which opens and closes the air intake louvers to regulate the proportion of inside and outside air drawn into the air conditioner.
- (4) Refer to TM 5-4120-222-15 for operation and service instructions.

## b. Operating Air Conditioner for Cooling.

- (1) Place damper control in desired position for the proportion of inside and outside air required.
- (2) Set thermostat on the remote control unit to the desired temperature.
  - (3) Place selector switch to COOL.

(4) To stop air conditioner, place selector switch to OFF. Close damper control.

#### **CAUTION**

# Wait 5 minutes after stopping air conditioner before restarting unit.

- c. Operating Air Conditioner for Heating.
  - (1) Place damper control in desired position.
- (2) Set thermostat on remote control unit to the desired temperature.
- (3) Place selector switch to the desired position (LO HEAT or HI HEAT)
- (4) To stop air conditioner, set selector switch to OFF.

# 2-16. Air Conditioner, XM822

# a. General.

- (1) A model 76E34-104, 208-volt, three phase, 60 Hz, 60,000 Btu air conditioner is mounted inside the front door of the XM822 semitrailer.
- (2) The remote control unit is located in the main control panel in the laboratory compartment.
- (3) Ducts are installed the length of the ceiling on each side of the semitrailer from the air conditioner to the rear compartment (fig. 1-36).
- (4) Refer to TM .5-4120-295-15 for operation and service instructions.
  - b. Operating Air Conditioner for Ventilation.
- (1) Open the three vent panels in van front door.
- (2) Turn rotary control switch on remote control unit to VENT.
- (3) Adjust damper control knobs on air conditioner to admit fresh air as desired.
- (4) To stop the air conditioner, turn rotary control switch to OFF. Close dampers. Close vent panels on front door.
  - c. Operating Air Conditioner for Cooling.
- (1) Open the three vent panels in van front door.
- (2) Connect a hose to the drain and allow condensation to drain to the ground.
- (3) Set thermostat on remote control unit to be desired temperature.
- (4) Position rotary control switch on remote control panel to COOL.
- (5) Turn damper control knobs to desired position from MIN (100% return air) to MAX (100% fresh air).
- (6) To stop the air conditioner, turn rotary control switch to OFF. Close dampers. Remove drain hose. Close vent panels on front door.

## 2-17. Heating System, XM822

#### a. General

- (1) The heating system is composed of a heater assembly consisting of 12 heating elements located in the air conditioning duct to the rear of the air conditioner.
- (2) The heater assembly contains six 100-watt, 220-volt elements located on the lower tier, and six 1600-watt, 220-volt elements located on the upper tier of the heater assembly.
- (3) The remote control unit containing the thermostat and the rotary control switch is located on the roadside wall forward of the main control panel. The rotary control switch has four positions: OFF, LOW, MEDIUM, and HIGH.
- (4) LOW position activates the 1000-watt heating elements and lights HEATER NO. 1 indicating lamp.
- (5) MEDIUM position activates the 1600-watt heating elements and lights HEATER NO. 2 indicating lamp.
- (6) HIGH position activates both the 1000-watt and the 1600-watt heating elements and lights both HEATER NO. 1 and HEATER NO. 2 indicating lamps.
- (7) A safety switch is installed in the duct above the heating elements to shut off heater power in the event the unit overheats.
  - b. Operating Heating System

- (1) Turn air conditioner rotary control switch on the air conditioner remote control panel to VENT.
- (2) Set heater thermostat on the heater remote control unit to the desired temperature.
- (3) Set rotary control switch to the desired position.
- (4) To stop the heating system, set rotary control switch to OFF and then set air conditioner rotary control switch to OFF.

## 2-18. Fire Extinguisher

- a. The XM738, XM739, and XM739E1 semitrailers have one fire extinguisher located in the interior of the van.
- b. The XM654 semitrailer has two fire extinguishers. One extinguisher is mounted over the rear door; the other is mounted on the side near the right side door.
- c. The XM680 and XM680E1 semitrailers have two fire extinguishers. One extinguisher is mounted on the side near the right side door; the other is mounted on a partition near the left side door.
- d. Each fire extinguisher is held in place with a bracket and clamp. The extinguisher is removed from the bracket by pulling the latch, which releases the clamp.
- e. To use the fire extinguisher, rotate the horn to an UP position. Break the safety wire and remove the safety pin. Operate the extinguisher by squeezing the trigger and directing the horn at the base of the flame.

## Section III. OPERATION UNDER UNUSUAL CONDITIONS

### 2-19. General

- a. In addition to the normal preventive maintenance service, special care in cleaning and lubrication must be observed where extreme temperature, humidity, and terrain conditions are present or anticipated. Proper cleaning, lubrication, and storage and handling of fuels and lubricants not only insure proper operation and functioning, but also guard against excessive wear of the working parts and deterioration of the materials.
- b. TM 21-300 explains driver selection, training, and supervision, while TM 21-305 provides special driving instructions for operating wheeled vehicles under unusual conditions. Read and study TM 21-300 and TM 21-305 before attempting to use your semitrailer under unusual conditions.
- c. Refer to paragraphs 2-20 through 2-26 for operating procedures under unusual conditions. For lubrication procedures under operation in dusty and

- sandy conditions and after fording operations, refer to paragraphs 3-4c and 3-4d.
- d. When chronic failure of materiel results from subjection to extreme conditions, report the condition on DA Form 468.

## 2-20. Operation in Extreme Cold

#### a. General.

(1) Your semitrailer must be fully prepared when scheduled for operation in extreme cold weather. Generally, extreme cold causes lubricants to thicken or congeal, cracks insulation, causes electrical short circuits, and various construction materials become hard, brittle, and easily damaged or broken.

- (2) You must always be on the alert for indications of the effect of cold weather on the semitrailer.
- (3) You must be very cautious when placing the vehicle in motion after a shutdown. Congealed lubricants may cause failure of parts. Tires may be frozen to the ground or frozen to the shape of the flat spot while underinflated. One or more brake shoes may be frozen fast and require pre-heating to avoid damage to the towing vehicle clutch surfaces.
- (4) Refer to TM 9-207 for description of operation in extreme cold.
  - b. At Halt or Parking.
- (1) When you halt for short shutdown periods, park the vehicle in a sheltered spot out of the wind. If no shelter is available, park the chassis so that its least vulnerable parts face into the wind. For long shutdown periods, if high and dry ground is not available, prepare a footing of planks or brush.
- (2) Clean all parts of the chassis of snow, ice, and mud as soon as possible after operation. Refer to tables 3-1 and 3-2, and paragraphs 3-6 and 3-7 for detailed after-operation procedures.
- (3) Gage tires for correct pressure (paragraph 3-18b).
  - c. Lubricants (Storage, Handling and Use)
- (1) Your equipment's operation at arctic temperatures will depend to a great extent upon the condition of the lubricants. Immediate effects of careless storage and handling or improper use of the materials are not always apparent, but any deviation from proper procedures may cause trouble at the least expected time.
- (2) In arctic operations, contamination with moisture is a source of many difficulties. Moisture can be the result of snow getting into the product or may be condensation due to "breathing" of a partially filled contained when a product is brought outdoors from room temperature. Other impurities will also contaminate lubricants and cause them to lose their usefulness.
- (3) Refer to FM 9-207 for detailed instructions on storage, handling and use of lubricants.

# 2-21. Operation In Extreme Heat

- a. Do not park the semitrailer in the sun for long periods as the heat and sunlight will shorten the life of the tires. If possible, park vehicle under cover to protect it from the sun, sand and dust.
- b. Cover inactive semitrailer with tarpaulins if no other suitable shelter is available. Each week shake out and air for several hours canvas covers or other items

subject to deterioration from mildew or attacks by insects or vermin. Clean mildewed canvas by scrubbing with a dry brush. Do not use water to remove dirt until mildew has been removed. If mildew is present, examine material carefully by stretching and pulling for evidence of rotting or weakening. Replace canvas if fabric shows weakness.

#### WARNING

Do not use gasoline, drycleaning solvent or mineral spirits paint thinner to remove oil or grease spots from canvas. Use only water and a scrubbing brush.

c. Chassis inactive for long periods in hot, humid weather are subject to rapid rusting and accumulation of fungus. Frequently inspect, clean and lubricate your semitrailer to prevent excessive deterioration.

# 2-22. Operation in Dusty or Sandy Areas

- a. For emergency operations in beach and desert sands, correct tire inflation is listed in paragraph 3-18b. For continued operations in sand, oversize balloon and tires are necessary for all wheeled vehicles. The tread should be of plain rib and the tire of round cross section.
- b. If one or more wheels become mired, it may be necessary for the chassis to be winched or the mired wheel may have to be jacked up and planking or matting inserted beneath it.
- c. Operation under extremely sandy or dusty conditions requires frequent inspection, cleaning, and lubrication of the chassis working parts

### 2-23. Operation in Mud and Snow

- a. Reduce tire inflation to the proper pressure as listed in paragraph 3-18b. For continued operation in show, install snow tread tires
- b. After each operation, remove ice, snow, and mud from underneath trailer and from hoses, lines, tubes, and electrical connections.

# 2-24. Operation Under Rainy or Humid Conditions

 a. Protect semitrailer from direct rainfall whenever possible. During dry periods open van to air to facilitate drying process.

- b. Keep moisture from entering the fuel supply. Clean fuel filter before each operation to remove accumulated moisture.
- c. Dampness increases corrosive action. Inspect painted surfaces and electrical connections more frequently for damage.

# 2-25. Operation In Salt Water Areas

Wash salt deposits from all equipment with fresh water. Observe the precautions in paragraph 2-24.

# 2-26. Fording Operations

- *a.* Instructions for fording operations for the owing vehicle apply also to the semitrailer.
- b. Notify organizational maintenance to clean wheel bearings and hand pack with lubricant specified in lubrication chart after each submersion.
- $\emph{c.}$  Reduce tire pressure to aid in amphibious landings.

# CHAPTER 3 OPERATOR'S MAINTENANCE INSTRUCTIONS

# Section I. LUBRICATION INSTRUCTIONS

# 3-1. General

This section contains the lubrication order (figs. 3-1, 3-2 and 3-3) showing location, intervals and proper materials for lubricating the semitrailer.

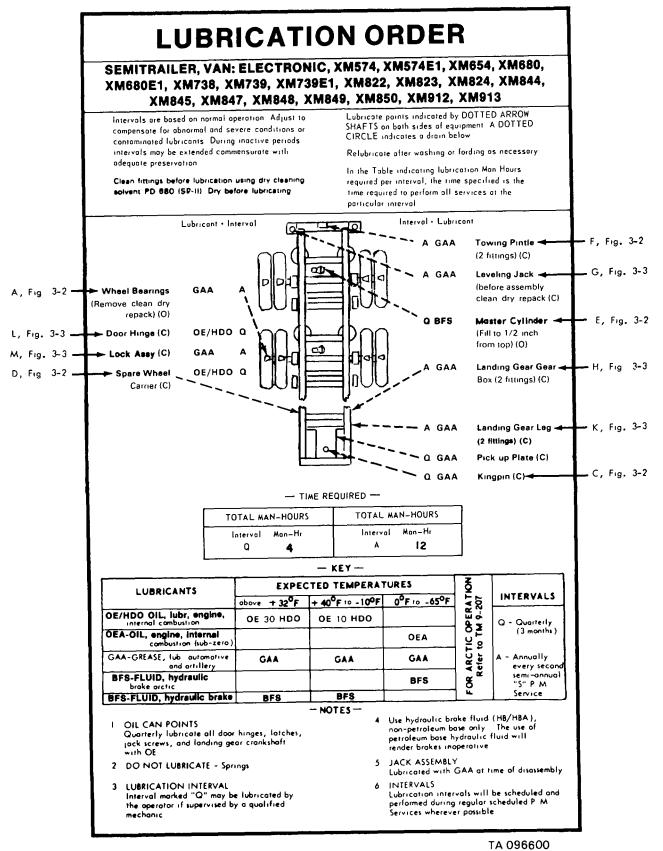


Figure 3-1. Lubrication order.

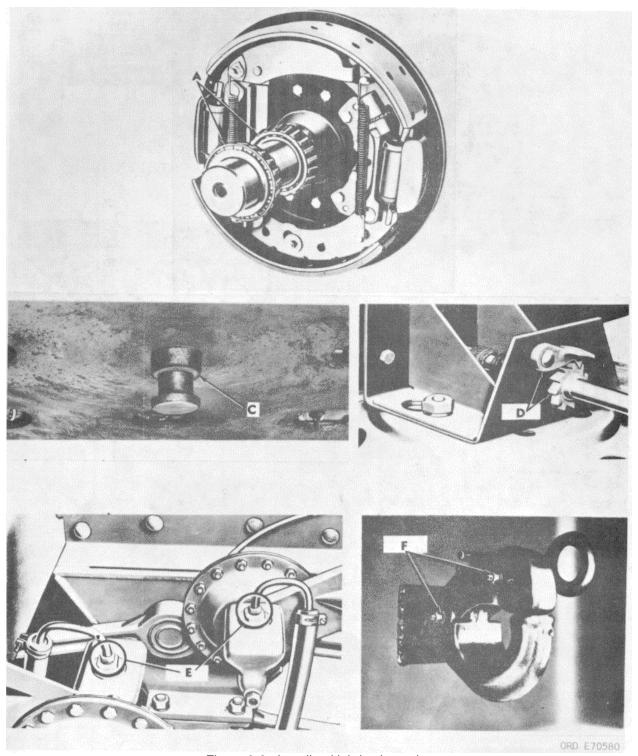


Figure 3-2. Localized lubrication points

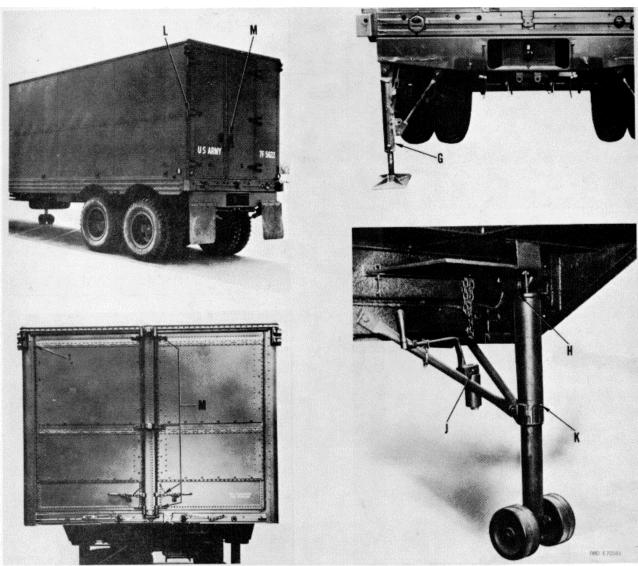


Figure 3-3. Localized lubrication points.

#### 3-2. Detailed Lubrication Information

- a. Service intervals specified on the lubrication order are for normal operation and where moderate temperature, humidity and atmospheric conditions prevail. Refer to paragraph 2-20c for use of lubricants under unusual conditions.
- b. Keep all lubricants in closed containers and store in a clean, dry place away from external heat. Do not allow dust, dirt, or other foreign material to mix with the lubricants. Keep all lubrication equipment clean and ready to use.

# 3-3. Cleaning

- a. Keep all external parts not requiring lubrication clean of lubricants. Before lubricating the equipment, wipe all lubrication points free of dirt and grease. Clean all lubrication points after lubricating to prevent accumulation of foreign matter.
- b. Use dry cleaning solvent PD-680 to clean or wash grease or oil from metal parts (item 19, appendix F).
- c. After parts are cleaned, rinse and dry them thoroughly. Apply a light grade of oil to all polished metal surfaces to prevent rusting.
- d. When authorized to install new parts, remove any preservative materials, such as rust preventive compound or protective grease, prior to installation. Apply lubricant prescribed in lubricating order if required.

### 3-4. Service Intervals

a. The service intervals specified in fig. 3-1 are for conditions where normal operation, temperatures and humidity prevail.

b. Refer to FM 9-207 for instructions on necessary preliminary lubrication of the vehicle in cold weather areas.

#### **CAUTION**

# A lubricant fouled by dust and sand acts as an abrasive mixture and causes rapid wear of parts

- c. After operation under dusty or sandy conditions, clean and inspect all points of lubrication for fouled lubricants. Lubricate as necessary (figs. 3-1, 3-2 and 3-3).
- *d.* After fording operation, lubricate vehicle in accordance with lubrication order (figs. 3-1, 3-2 and 3-3).

# 3-5. Painting and Identification Marking

- a. Painting. Instructions for preparation of the material for painting, methods of painting, and materials to be used are contained in TM 43-0139. Instructions for camouflage painting are contained in TM 5-200.
- b. Identification Marking. Re-stencil the semitrailer chassis or body if the markings are not legible. The markings consist of the agency identification, U. S. ARMY, and army serial number stenciled on lower front (each side) and on the rear of the van body (fig. 3-4). Instructions for marking are contained in TB 746-93-1. The numerals and letters are four inches in height, of simple block type with curved lines where applicable, and painted with white semigloss enamel to specification TT-E-489. Proceed as follows to re-stencil the markings.

XM574, XM680

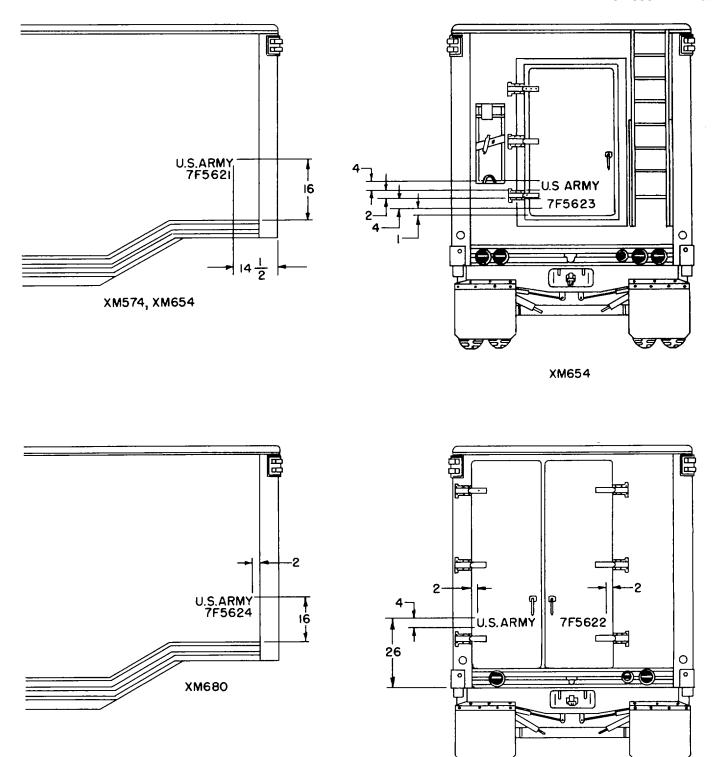


Figure 3-4. Stencil locations.

ORD E70582

#### WARNING

To prevent injury to personnel, avoid excessive breathing of vapors. All cleaning and stenciling procedures must be performed in a well ventilated room or outdoors. A fire extinguisher must be positioned near the work area.

- (1) Remove oil and grease from equipment.
- (2) Apply paint to stencil with dabbing motion.
- (3) Remove stencil and fill in spaces to provide for continuous lines in the letters and numerals.
  - (4) Allow paint to dry for 24 hours.

# Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

#### 3-6. Maintenance Forms and Records

Every mission begins and ends with the paperwork. There isn't much of it, but you have to keep it up. The forms and records you fill out have several uses. They are a permanent record of the services, repairs, and modifications made on your vehicle. They are reports to organizational maintenance and to your Commander, and they are a checklist for you when you want to know what is wrong with the vehicle after its last use, and whether those faults have been fixed. For the information you need on forms and records, see TM 38-750.

### 3-7. Preventive Maintenance Checks and Services

- a. Do your before (B) Preventive Maintenance just before you operate the vehicle. Pay attention to the Cautions and Warnings.
- b. During checks and services (D) of Preventive Maintenance will be performed while the equipment and/or its component systems are in operation.
- c. Do your after (A) Preventive Maintenance right after operating the vehicle. Pay attention to Cautions and Warnings.
- d. Do your weekly (W) Preventive Maintenance weekly.
- e. Do your monthly (M) Preventive Maintenance once a month.
- *f.* If something doesn't work, troubleshoot it with the instructions in this manual or notify your supervisor.
- g. Always do your Preventive Maintenance in the same order so it gets to be a habit. Once you've had some practice, you'll spot anything wrong in a hurry.
- h. If anything looks wrong and you can't fix it, write it on your DA Form 2404. If you find something seriously wrong, report it to organizational maintenance right now.

*i.* When you do your Preventive Maintenance, take along the tools you need to make all the checks. You always need a rag or two.

#### WARNING

Dry cleaning solvent used to clean parts is potentially dangerous to personnel and property. Do not use near open flame or excessive heat. Flash point of solvent is 138°F (44.6°C).

- (1) Keep it clean. Dirt, grease, oil and debris only get in the way and may cover up a serious problem. Clean as you work and as needed. Use safety solvent (item 19, appendix F) on all metal surfaces. Use soap and water when you clean rubber or plastic material.
- (2) Bolts, nuts and screws. Check them all for obvious looseness, missing, bent or broken condition. You can't try them all with a tool, of course, but look for chipped paint, bare metal, or rust around bolt heads. If you find one you think is loose, tighten it, or report it to organizational maintenance if you can't tighten it.
- (3) Welds: Look for loose or chipped paint, rust, or gaps where parts are welded together. If you find a bad weld, report it to organizational maintenance.
- (4) Electric wires and connectors. Look for cracked or broken insulation, bare wires, and loose or broken connectors. Tighten loose connectors and make sure the wires are in good shape.
- (5) Hoses and fluid lines Look for wear, damage and leaks. Make sure clamps and fittings are tight. Wet spots show leaks, of course, but a stain around a fitting or connector can mean a leak. If a leak comes from a loose fitting or connector, tighten it. If something is broken or worn out, report it to organizational maintenance.
- *j.* It is necessary for you to know how fluid leakage affects the status of your vehicle. The following are definitions of the types/classes of

leakage you need to know to be able to determine the status of your vehicle. Learn to be familiar with them and remember - when in doubt, notify your supervisor.

Leakage Definitions for Crew/Operator PMCS

CLASS I Seepage of fluid (as indicated by

wetness or discoloration) not great enough to form drops.

CLASS II Leakage of fluid great enough to form drops but not enough to cause drops to drip from item

being checked/inspected.

**CLASS III** 

Leakage or fluid great enough to form drops that fall from the item being checked/inspected.

CAUTION

Equipment operation is allowable with minor leakages (Class I or II). Of course, consideration must be given to the fluid capacity in the item/system being checked/inspected. When in doubt, notify your supervisor.

Table 3-1. Operator/Crew Preventive Maintenance Checks and Services

B - Before D - During A - After W - Weekly M - Monthly

ITEM	INTERVAL			ITEM TO BE INSPECTED PROCEDURE: Check for and have repaired,	Equipment is not		
NO	В	D	Α	w	М	filled, or adjusted as needed	ready/available lf:
						TIRES	
1 2	•			•		Gage tires for correct pressure Inspect for cuts, punctures, or other unusual wear or damage WHEELS	Tires are flat or damaged
3	•					Check that wheel stud nuts & hub cap bolts are present and securely tightened BRAKE HOSES	Wheel studs nuts/hub cap bolt are loose or missing
4	•					Inspect hose couplings for damage Inspect hoses for damage or deterioration ELECTRICAL SYSTEM	Hoses/couplings missing or damaged
6	•					Inspect electrical intervehicular connector	
7				•		for damage. Visually inspect electrical wiring for cuts, breaks, or any other damage	
8				•		AIR FILTER Drain air filters (if provided) AIR BRAKE RESERVOIR	
9		•				Check that reservoir mounting hardware is secure	Air reservoir is loose
10			•			Drain condensation from reservoir SPRINGS	
11					•	Inspect springs for abnormal sag, broken or shifted leaves, loose or missing rebound clips, pins, U-bolts, safety nuts, or bolts  AIR SUSPENSION SYSTEM	Spring assemblies damaged missing parts
12	•					Check air spring inflation missing parts	Air suspension system damaged or
13 14	•					Check for loose or broken parts Drain condensation from air reservoir AIR MOUNTED FIFTH WHEEL	
15 16 17	•					KING PIN Check air spring inflation Check for loose or broken parts Drain condensation from air reservoir	
						3-8	

Table 3-1. Operator/Crew Preventive Maintenance Checks and Services - Continued

	B - Before		[	O - During A - After	W - Weekly	M - Monthly		
INTERVAL			ITEM TO BE INSPECTED PROCEDURE: Check for and have repaired,		Equipment is not			
NO B D A W			W	М	filled, or adjusted as nee	ready/available If:		
18	•			BRAKES  Observe operation of brakes Note any unsatisfactory operation (grabbing,		abbing,	Brakes do not operate or do not operate properly	
						pulling, or slow or spongy o   FIFTH WHEEL/   KINGPIN	peration)	
19			•			Observe how semitrailer tra being towed In a straight lin side pull, wander, or shimm BRAKE DRUMS/	e Note any	
	н	EEL	HUE	s		WHEEL HUBS		
20	•					Cautiously feel drums and heating. Report overheating zational maintenance.		Brake drums overheating
						BODY		
21 22	•					Wipe off vehicle, wash if ne Inspect body for fading of parties of parties of parties.	•	
23	•					Inspect body for missing or reflectors and/or operating I		
24	•					Check to insure that publica issue tools & equipment are properly stored.	ations, basic	

Section III. TROUBLESHOOTING

#### 3-8. Scope

- This troubleshooting a. section contains information for locating and correcting most of the operating troubles which may develop in the semi-trailer. Each malfunction for an individual component, unit or system is followed by a list of tests or inspections which will help you to determine the corrective actions to take.
- This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by listed corrective actions, notify your supervisor.
- Table 3-2 lists the common malfunctions which you may find during the operation or maintenance of the semitrailer or its components. You should perform the tests/inspections and corrective actions in the order listed.

Table 3-2. Troubleshooting

# **MALFUNCTION TEST OR INSPECTION** CORRECTIVE ACTION

# **ELECTRICAL SYSTEM**

ALL LAMPS FAIL TO LIGHT.

Step 1. Check for loose ground connections at light

# Table 3-2. Troubleshooting - Continued

## **MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION**

assemblies intervehicular cable receptacle. Tighten ground connection as required

Step 2. Check to see that intervehicular cable is properly plugged Into receptacle

Pull cable plug out of receptacle and insert properly.

Step 3. Check light switch on towing vehicle Place light switch on towing vehicle In proper mode of operation

Step 4. Inspect for dirty or corroded terminals on intervehicular cable

Clean connectors, receptacle and plug (paragraph 3-3b)

2. ONE OR MORE LAMPS WILL NOT LIGHT

Step 1. Inspect for dirty or corroded terminals on intervehicular cable. Clean connections, receptacle and plug (paragraph 3-3b).

Step 2. Check for loose cable connections Tighten connections

Step 3. Check to see if rear junction connector is loose if van and forward chassis lights are ON, but all rear lights are OFF. Pull out, clean and reinsert connector, making certain socket and contacts are clean.

## Table 3-2. Troubleshooting - Continued

#### MALFUNCTION

# **TEST OR INSPECTION CORRECTIVE ACTION**

**ELECTRICAL SYSTEMS - Continued** ALL CHASSIS LIGHTS ARE ON AND VAN 3. CLEARANCE LIGHTS ARE OFF

Step 1. Check to see if 24-volt light connection at receptacle is loose

Pull out plug, clean and reinsert, insure that a good connection is made

Step 2. Inspect for dirty or corroded contacts in 24-volt light receptacle Clean contacts (paragraph 3-3b)

DIRECTIONAL SIGNALS INOPERATIVÉ

Inspect for dirty or corroded cable socket and contacts

Clean socket and contacts (paragraph 3-3b)

## **BRAKE SYSTEM**

**BRAKES WILL NOT RELEASE** 5

Step 1. Check to see if relay valve is in applied position

> If semitrailer is coupled, wait until air pressure on towing vehicle reads normal operating pressure If semitrailer is uncoupled, open air reservoir drain cock

Step 2 Inspect intervehicular air hose connections Connect hose(s) properly

Step 3 Check air reservoir drain cock Close air reservoir drain cock

Step 4 Check to see if shutoff valves on towing vehicle are closed

Open shutoff valves on towing vehicle

Step 5 Inspect intervehicular air for restrictions Check intervehicular air lines for kinks, bends, or restriction, and straighten

NO BRAKES OR WEAK BRAKES

Step 1 Check to see if intervehicular air lines are properly connected Connect air lines properly

Step 2 Check for low air pressure Inspect air supply lines for leaks. Notify organizational maintenance if leaks are found or suspended

SLOW BRAKE APPLICATION OR SLOW **RELEASE** 

Notify organizational maintenance

8 **GRABBING BRAKES** 

> Check air system for moisture Open drain cock on air reservoir and drain moisture

#### **MALFUNCTION**

# **TEST OR INSPECTION CORRECTIVE ACTION**

SUSPENSION SYSTEM

SEMITRAILER SAGS TO ONE SIDE

Step 1 Check tires to see if air pressure is low or uneven

Inflate tires to correct pressure (paragraph 3-18b)

Step 2 Check to see if load in semitrailer is unevenly distributed

Distribute load evenly

10. EXCESSIVELY WORN, SCUFFED, OR CUPPED TIRE(S)

Step 1 Check for improper tire pressure

Inflate to correct pressure (paragraph 3-18b)

Step 2 Inspect wheels for looseness

Tighten wheel stud nuts

AIR SUSPENSION SYSTEM

11 ALL STAR SPRINGS FLAT

Check air pressure

Build up air pressure to 65 psi

AIR MOUNTED FIFTH WHEEL KINGPIN

12 AIR SPRINGS FLAT

Build up air pressure to 65 psi

WHEELS, HUBS, BEARINGS, AND TIRES

13 NOISY WHEELS

Inspect wheels for looseness Tighten wheel stud nuts

14 WOBBLY WHEELS

15 ABNORMAL TIRE WEAR

Inspect wheels for looseness

Tighten wheel stud nuts

Step 1 Check tires for proper inflation

Inflate tires to correct pressure (paragraph 3-18b)

Step 2 Inspect tires to see if they are properly matched

> Remove unmatched tire and replace with one that matches

16 AIR LEAKAGE FROM TIRES

Step 1 Inspect valve core for damage or looseness Tighten or replace valve core

Step 2 Check tire for puncture

Replace punctured tire with spare (paragraphs 2-9 and 3-18)

LEVELING JACK

17 ERRATIC OPERATION.

Check for adequate lubrication Lubricate in accordance with lubrication order (figs 3-1 and 3-3)

### Section IV. MAINTENANCE PROCEDURES

# 3-9. Marker Clearance Light (fig. 7).

#### NOTE

All 24-volt lights are controlled by the electrical system of the towing vehicle. A master switch on the towing vehicle controls the service and blackout modes of operation of the lights. Place this switch in the proper position prior to testing the lamps after installation. Lamps will not illuminate if towing vehicle switch is in the OFF position.

- a. Lamp Removal.
- (1) Remove two screws (2) which fasten body (3) of the clearance light to plate (7).
- (2) Remove body (3) with lens (4) or (11) from plate (7).
- (3) Press in on lamp (6), turning counterclockwise to remove from socket.
  - b. Lamp Installation.
- (1) Insert lamp (6) into socket. Press in and turn clockwise. Test lamp by turning on switch in towing vehicle.

## **NOTE**

The word BOTTOM is printed on blackout lens (11). Make certain lens is positioned properly in body during installation.

- (2) Install body (3) with lens (4) or (11) over lamp (6) and secure to mounting plate (7) with two screws (2).
- 3-10. Blackout Stoplight Assembly (all models except XM822, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913)
  - a. Lamp Removal (fig. 8).
- (1) Remove two screws (11) which secure door assembly (10) to housing (4) blackout stoplight Lift off door assembly.
- (2) Push in on lamp (8) and turn counterclockwise to remove.
  - b. Lamp Installation (fig. 8).
- (1) Insert lamp (8) in socket, push in, and turn clockwise. Test lamp by turning on BLACKOUT switch in towing vehicle and depressing brake pedal.
- (2) Note word TOP above lens and position door assembly (10) and gasket (9) on housing (4). Secure with two screws (11).

- 3-11. Stoplight, Taillight Assembly (all models except XM822, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913)
  - a. Lamp Removal (fig. 9)
- (1) Loosen six captive screws on door assembly (6). Remove preformed packing (5) if defective.
- (2) Push in on lamp (4) or (7) and turn counterclockwise to remove. All taillight lamps are three candelpower, 24-to 28-volt lamps except the service stop lamp (4) which is a 32 candlepower 24- to 28-volt lamp.
  - b. Lamp Installation (fig. 9)
- (1) Insert lamp (4) or (7) in socket, push in and turn clockwise. Test service tail lamp (7) by turning on service switch on towing vehicle. Operate brake pedal on towing vehicle to test stoplight lamp (4). Operate turn signal lever in towing vehicle to test operation of turn signal lamp (7). Test blackout lamp by placing towing vehicle switch in the BLACKOUT mode of operation and then operating the proper switch, brake pedal or turn signal lever.
- (2) Position preformed packing (5) and door (6) on light body (2). Tighten the captive screws.
- 3-12. Composite Stoplight-Taillight
  Assembly, XM822 (after serial no. S2669), XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913
  - a. Lamp Removal (fig. 10)
- (1) Loosen six captive screws on lens assembly (2). Remove preformed packing (3) if defective.
- (2) Push in on lamp (4), (5) or (12) and turn counterclockwise to remove.
  - b. Lamp Installation (fig. 10)
- (1) Insert lamp (4), (5) or (12) in socket, push in and turn clockwise. Test lamp following the procedure of paragraph 3-11b (1).
- (2) Position preformed packing (3) and lens assembly (2) on body (11). Tighten captive screws.

## 3-13. ICC Stoplight, XM654

- Lamp Removal (fig 11).
- (1) Carefully pry out retaining ring (7) and remove lens (6) and gasket (5).

- (2) Push in on lamp (4) and turn counterclockwise to remove.
  - b. Lamp Installation (fig. 11).
- (1) Insert lamp (4) in socket (8), push in and turn clockwise. Test lamp, following procedure of paragraph 3-llb (1).
- (2) Position gasket (5) and lens (6) and secure in position with retaining ring (7).

# 3-14. Dome Light, 24-Volt (all models except XM912, XM913)

- a. Lamp Removal (fig. 12).
- (1) Loosen captive screw and open hinged cover. Remove lens (4) and rubber seal (5) if defective.
- (2) Push in on lamp (7) and turn counterclockwise to remove.
  - b. Lamp Installation (fig. 12).
- (1) Insert lamp (7) in socket (2), push in and turn clockwise. Test lamp by placing the toggle switch in the ON position.
- (2) Position lens (4) and rubber seal (5) in hinged cover and secure to body assembly (6) with captive screw.

# 3-15. Dome Light, 110-Volt, XM654, XM680, XM680E1, XM822

- a. Lamp Removal (fig. 13).
- (1) Remove thumbscrews (9) and remove cover (7), together with gaskets (4 and 5) and lens (3).
  - (2) Unscrew lamp (2) and remove.
  - b. Lamp Installation (fig 13).
    - (1) Screw lamp (2) into socket (13).
- (2) Position lens (3) and gaskets (4 and 5) in cover (7) and secure with thumbscrews (9).

# 3-16. Blackout Dome Light, 110-Volt, XM822

- a. Lamp Removal (fig. 14).
  - (1) Loosen captive cover screw and open cover.
  - (2) Press in on bayonet type lamp (6) and turn one-fourth of a turn counterclockwise to remove.
- b. Lamp Installation (fig. 14).
- (1) Insert lamp (6) into socket (5) and turn one-fourth of a turn clockwise.
- (2) Position cover and secure with captive screw.

# 3-17. Fluorescent Lighting Fixture, XM822

a. Lamp Removal (fig. 15)

### **WARNING**

When handling fluorescent lamp, use care to prevent breakage and possible injury to personnel.

- (1) Remove cover screws and open cover.
- (2) Rotate lamp (2) one-fourth of a turn and remove from socket.
  - b. Lamp Intallation (fig. 15).
- (1) Insert lamp (2) in socket and turn one-fourth of a turn.
  - (2) Secure cover with screws.

#### 3-18. Wheels and Tires

- a. Description
- (1) Wheels. The wheels for the semitrailer chassis are offset disk-type rim with split-type retaining side ring. Outer cap nuts for the right wheels (marked R) have right hand threads and those for the left wheel (marked L) have left hand threads. The studs are similarly marked. Nuts must be turned in the opposite direction to the normal forward rotation of the wheel to be loosened or removed.
- (2) Tires. Tires are of military pneumatic type, nondirectional, cross country tread design, size 9.00 by 20, 8-ply rating.
  - b. Removal of Wheel and Tire Assemblies from Hub (fig. 3-5).
- (1) Apply brakes to the chassis wheels. If chassis is attached to the towing vehicle, wheels may be locked by disconnecting emergency air connections.

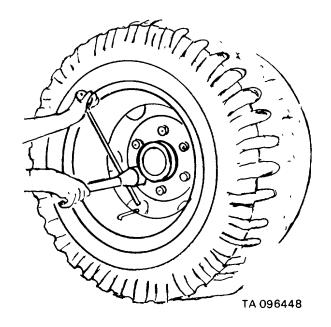


Figure 3-5. Removing and installing wheel and tire.

- (2) Loosen six outer wheel nuts, using a wheel nut wrench.
- (3) Raise vehicle and remove wheel nuts. Remove outer wheel.
- (4) Remove inner six cap nuts and inner wheel in same manner.
- c. Installation of Wheel and Tire Assemblies on Hub (fig. 3-5).
- (1) Slide inner wheel on hub over six studs with convex side of wheel facing out.
- (2) Install six inner wheel cap nuts. Alternately tighten nuts on opposite sides to insure even tightness of all nuts.
- (3) Slide outer wheel on hub over six inner cap nuts with convex side of wheel facing in and against the inner wheel. Make certain that valve stem for outer wheel is not alined with valve stem of inner wheel.
- (4) Install six outer wheel nuts and alternately tighten nuts on opposite sides to insure even tightness of all nuts.
- (5) Check nuts before lowering wheel to ground to make certain they are all firmly seated. After wheel is on the ground, tighten nuts with a torque wrench to 450-500 lb ft.
- (6) Inflate tires to 50 psi for highway driving, 30 psi for cross-country driving, and 20 psi for driving in soft sand.

# CHAPTER 4 ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

#### Section I. SERVICE UPON RECEIPT OF MATERIAL

#### 4-1. General

When a new, used, or reconditioned semitrailer is first received, it is the responsibility of the officer in charge to determine whether the semitrailer has been properly prepared for service by the supplying organization and to be sure it is in condition to perform its function. For the purpose, inspect all assemblies, subassemblies, and accessories to be sure they are properly assembled, secure, clean, and correctly adjusted and/or lubricated. Check all tools and equipment to be sure every item is present, in good condition, clean, and properly mounted or stowed.

# 4-2. Inspecting and Servicing the Equipment

- a. Preliminary Services.
  - (1) General procedures.
- (a) If any exterior surface is coated with rust preventive compound, remove it with approved cleaning solvent (paragraph 3-3b).
- (b) Read DA Form 9-1 (Materiel Inspection Tag) and observe all precautions checked

thereon.

- (2) Special procedures
- (a) Perform the preventive maintenance checks and services (table 4-1).
- (b) Lubricate all lubrication points illustrated in the lubrication order (fig. 3-1), regardless of interval.
- (c) Schedule "S" semiannual preventive maintenance service on DA Form 2403 (Preventive Maintenance Roster).
- (d) Deficiencies which involve unsatisfactory design will be reported in accordance with TM 38-750.
- (e) Perform a "break-in" of 25 miles at a maximum speed of 30 mph.
- b. Before-Operation Service This is a brief service to ascertain that the semitrailer is ready for operation; it is mainly a check to see if conditions affecting the vehicle's readiness have changed since the last after-operating service. Refer to table 3-1 preventive maintenance service and to paragraphs 2-2 through 2-4.

## Section II. MOVEMENT TO A NEW WORKSITE

#### 4-3. General

- a. Disconnect power to semitrailer.
- b. Close all doors.
- c. Connect semitrailer to towing vehicle.
- d. Retract landing gear legs.
- e. Drive semitrailer to a new worksite.

### 4-4. Air Shipment of XM844, XM845

- a. General.
- (1) The aircraft loading kit for the XM844 and XM845 semitrailers has been designed for the 25K-Loader to load the semitrailer in the C141 Aircraft.

- (2) Use of the 40K-Loader and palletizing are left to the discretion of the loadmaster.
- (3) Two persons are required to handle the loading kit and perform the operations.
  - b. Components of Aircraft Loading Kit.
- (1) One stowage box (PN 11646333) located underneath the left side of the semitrailer (fig. 65).
  - (2) Two adapter assemblies (PN 11681226).
- (3) Two loading jack assemblies, consisting of two handles and two jacks with two inner tubes, two screw assemblies, two upper mount assemblies, two outer tubes, and two jack pad assemblies (fig. 4-1).

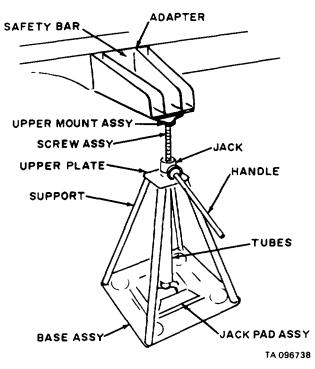


Figure 4-1. Aircraft loading kit installed.

- (4) Two loading jack stand assemblies, consisting of two upper plate assemblies, eight supports and two base assemblies.
- (5) Tool box assembly (refer to Basic Issue Items, appendix B, for listing of tools included in assembly).
  - c. Loading Procedure.
- (1) Place towing vehicle, semitrailer and K-Loader on runway near C141 aircraft. Apply brakes. Towing vehicle must remain attached as long as loading jacks are in use.

### **CAUTION**

Adapters are very heavy. Use caution in handling them.

- (2) Remove contents from aircraft loading kit stowage box.
- (3) Remove the stowage box and set it aside for loading in aircraft.
- (4) Pull out curbside and roadside lifting eyes between the front and rear wheels.
- (5) Hang adapters on lifting eyes and secure them with safety bars. Make sure they are seated properly on the sidewalls.
- (6) Position jacks and stands under adapters (fig. 4-2). Make certain jacks are perpendicular.

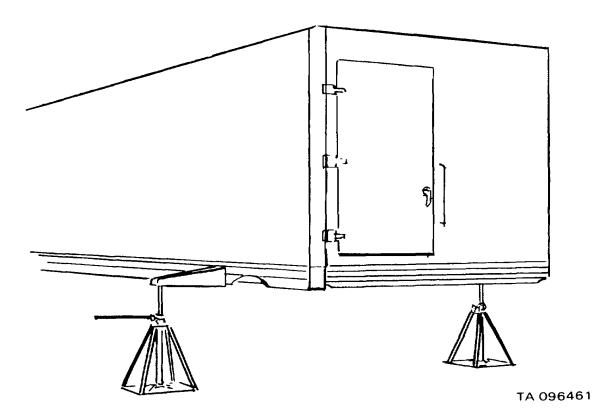


Figure 4-2. Loading jacks and stands in position.

- (7) Lower landing gear legs so that wheels contact the ground.
- (8) Remove six cotter pins, nuts, washers and screws securing dolly assembly to the van body. Place the attaching hardware in the stowage box.
- (9) Disconnect both air hoses and the 24-volt plug from the subbase.

### **CAUTION**

Personnel at this point should stay clear of the underside of the semitrailer until it is securely resting on the K-Loader.

- (10) Lift rear van body end (both sides simultaneously) to a height permitting removal of the dolly toward the rear. Make certain aircraft loading jacks do not tilt. Should this occur, stop the lifting operation, reposition jacks, and repeat the lifting operation.
- (11) Pull dolly toward the rear from underneath van body and set it aside for aircraft loading (fig. 4-3).
- (12) Move the K-Loader under the van body until it almost contacts the landing gears. Make sure that the inner skids of the van body match the rollers of the K-Loader or use pallets (fig. 4-4).

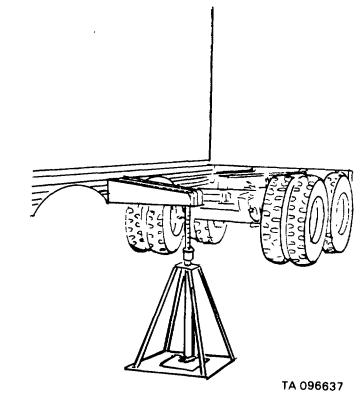


Figure 4-4. Dolly removed from van body

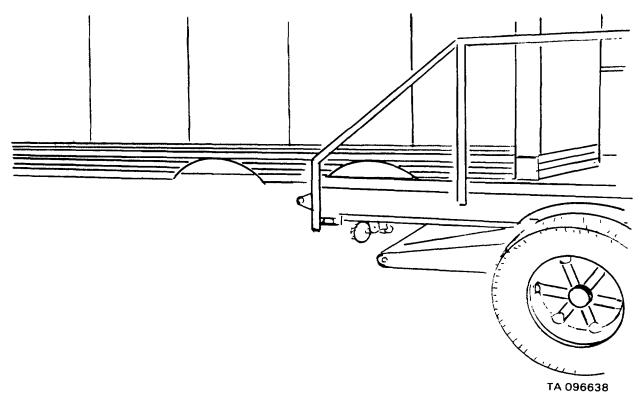


Figure 4-4. K-Loader supporting rear end of van body.

- (13) Remove landing gears (paragraph 4-51) and set them on the K-Loader for aircraft loading.
- (14) Secure van body to the K-Loader by means of the tiedowns in the sidewalls and tiedown rings provided by the Air Force (fig. 4-5).

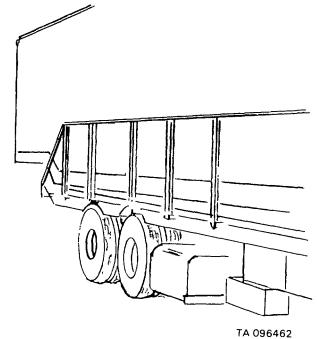


Figure 4-5. Van body ready for loading on aircraft.

- (15) Mount stowage box on dolly.
- (16) Remove aircraft loading jacks, stands and adapters and stow them with the tool box in the stowage box.
  - (17) Detach towing vehicle and set it aside.
- (18) Load van body and dolly on the aircraft as directed by the loadmaster.

### d. Unloading Procedure

- (1) Unload van body from aircraft to the K-Loader, making certain that stowage compartments are accessible.
- (2) Secure van body to K-Loader by means of the tiedown provisions in the sidewalls and tiedown rings provided by the Air Force.
  - (3) Attach towing vehicle to van body.
- (4) Lower landing gear legs so that wheels contact the ground.
- (5) Remove aircraft loading kit from the various stowage areas.
- (6) Pull out curbside and roadside lifting eyes between the front and rear wheels.
- (7) Hang adapters on lifting eyes and secure them with safety bars. Make sure they are seated properly on the sidewalls.

- (8) Position jacks and stands under adapters. Make certain jacks are perpendicular.
- (9) Lift van body rear end (both sides at the same time) to a height permitting the installation of the dolly from the rear. Make certain aircraft loading jacks do not tilt. Should this occur, stop the lifting operation, reposition jacks, and repeat the lifting operation.
  - (10) Remove K-Loader.
- (11) Insert dolly in position from the rear, lower rear end of the van body and secure dolly with six cotter pins, nuts, lock washers, and screws.
- (12) Connect both air hoses and the 24-volt plug to the sub-base.
- (13) Remove aircraft loading jacks, stands and adapters and stow them in the stowage compartments.
  - (14) Detach towing vehicle.

### 4-5. Air Shipment of XM847, XM848, XM849, XM912, XM913

#### a. General

- (1) The aircraft loading kit for the XM847, XM848, and XM849 semitrailers has been designed for the 25K-Loader to load the semitrailer in the C141 aircraft. The use of the 40K-Loader and palletizing are at the discretion of the load master.
- (2) The aircraft loading kit for the XM912 and XM913 semitrailers has been designed for the 40K-Loader to load the semitrailer in the C141 aircraft. The use of palletizing and utilization of the 25K-Loader are at the discretion of the load master.
- (3) Two persons are required to handle the loading kit and perform the operation.
  - b. Components of Aircraft Loading Kit (fig. 4-1).
    - 1) Two adapter assemblies (PN11681435).
- (2) Two loading jack assemblies (paragraph 4-4b (3).
- (3) Two loading jack stand assemblies (paragraph 4-4b (4).
- (4) Tool box assembly (refer to Basic Issue Items, appendix B, for listing of tools included in assembly).

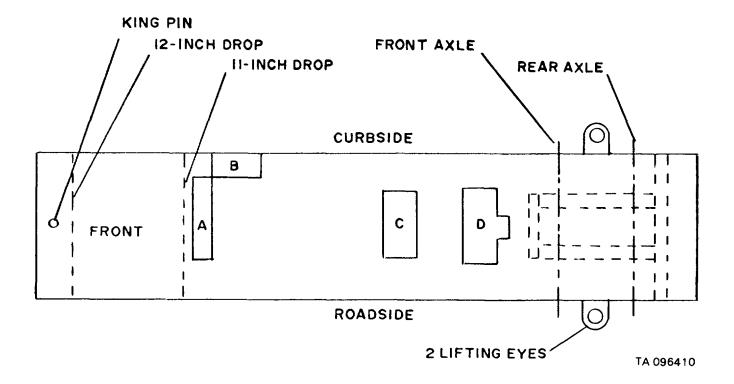
### c. Loading Procedure.

(1) Place towing vehicle, semitrailer and K-Loader on runway near C141 aircraft. Apply brakes. Towing vehicle must remain attached as long as loading jacks are in use.

### **CAUTION**

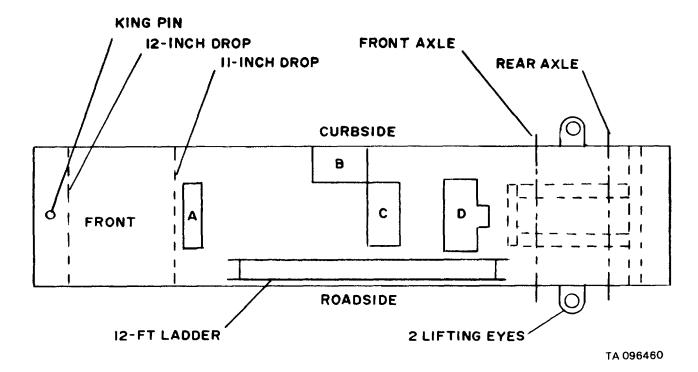
Adapters are very heavy. Use caution in handling them.

(2) Remove aircraft loading kit from the various stowage areas underneath the semitrailer (figs 4-6 and 4-7). Remove the 12-foot ladder from underneath the XM912 and XM913 semitrailers and separately stow it in the aircraft.



- Tool kit, aircraft loading
- Two adapter assemblies
  Two loading jacks, two handles
  Two jack pads, eight supports,
  two base assemblies, two upper plate assemblies

Figure 4-6. Location of stowage compartments, XM847, XM848, XM849.



- Tool kit, aircraft loading
- Two adapter assemblies
- Two loading jacks, two handles
  Two jack pads, eight supports, two base assemblies, two upper plate assemblies

Figure 4-7. Location of stowage compartments, XM912, XM913.

- (3) Perform steps (4) through (7) of paragraph 4-4c.
- (4) Remove six cotter pins, nuts, washers, and screws securing the dolly assembly on the XM847, XM848, and XM849 semitrailers. To remove the dolly attaching hardware on the XM912 and XM913 semitrailers, remove two cotter pins, two nuts, six washers, two bolts and four screws.
- (5) Perform steps (9) through (11) of paragraph 4-4c.
- (6) Move the K-Loader under the van body, making sure that the inner skids of the van body match the rollers of the K-Loader, leaving the aircraft loading kit stowage compartments accessible (fig. 4-4).
- (7) Remove aircraft loading jacks, stands and adapters and stow them along with the tool box in their respective stowage compartments underneath the van body (figs. 4-6 and 4-7).
- (8) Move K-Loader forward until it almost contacts the landing gears.
- (9) Secure van body to the K-Loader by means of the tiedown provisions in the sidewalls and tiedown rings provided by the Air Force (fig. 4-5).

- (10) Swing landing gears into the horizontal position (fig. 4-5).
  - (11) Detach towing vehicle and set it aside.
- (12) Load van body and dolly on the aircraft as directed by the loadmaster.
  - Unloading Procedure. d.
- (1) Perform steps 1 through 3 of paragraph 4-4d.
- Swing landing gears to the vertical position and lower legs so that wheels contact the ground.
- (3) Perform steps 5 through 11 of paragraph 4-4d.
- (4) Insert dolly in position from the rear and lower rear end of van body.
- Secure the dolly assembly on the XM847. XM848 and XM849 semitrailers with six screws, washers, nuts, and cotter pins.
- (6) Secure the dolly assembly on the XM912 and XM913 semitrailers with two bolts, washers, nuts, and cotter pins at the rear end and with four screws and washer at the front end and sides.
- (7) Perform steps 12 through 14 of paragraph 4-4d.

### 4-6. Railroad Shipment of Semitrailer

The semitrailer may be loaded on TTX car only with a cushioning or shock-mitigating device incorporated into the stanchion hitches on the sills of the car for rail shipment with CONUS.

### Section III. REPAIR PART SPECIAL TOOLS AND EQUIPMENT.

### 4-7. Special Tools and Equipment

Special tools required for organizational maintenance are listed and illustrated in Appendix E, Section III. No special equipment is required.

### 4-8. Maintenance Repair Parts

Repair parts that cover organizational maintenance for the semitrailer are listed and illustrated in Appendix E, Section II.

### Section IV. LUBRICATION INSTRUCTIONS

### 4-9. General

- a. This section contains only those lubrication procedures that are not covered in the lubrication order.
- b. Clean and lubricate wheel bearings as specified in TM 9-214.
- c. The lubrication of all components requiring lubrication is described in this chapter during the removal and replacement procedures for those components.
- d. Maintain a record of vehicle lubrication and report any discrepancies noted during lubrication. Refer to TM 38-750 for maintenance forms and procedures to record and report any findings.

### Section V. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

### 4-10. General

To insure that the semitrailer is ready for operation at all times, it must be inspected within designated intervals so that defects may be discovered and corrected before they result in serious damage or failure. Table 4-1 contains a tabulated listing of preventive maintenance checks and services to be performed by organizational maintenance personnel. All deficiencies and shortcomings will be recorded as well as the corrective action taken on DA Form 2404 at the earliest possible opportunity.

### 4-11. Organizational Preventive Maintenance Checks and Services

- a. The item numbers of table 4-1 indicate the sequence of the PMCS. Perform at the intervals shown below:
- (1) Do your (Q) PREVENTIVE MAINTENANCE once each 3 months.
- (2) Do your (S) PREVENTIVE MAINTENANCE once each 6 months.
- (3) Do your (A) PREVENTIVE MAINTENANCE once each year.

- (4) Do your (B) PREVENTIVE MAINTENANCE once each two years.
- (5) Do your (H) PREVENTIVE MAINTENANCE at the hour interval listed.
- (6) Do your (MI) PREVENTIVE MAINTENANCE when the mileage of the vehicle reaches the amount listed.
- b. If something doesn't work, troubleshoot it with the instructions in this manual or notify your supervisor.
- c. Always do your preventive maintenance In the same order so it gets to be a habit Once you've had some practice, you'll spot anything wrong in a hurry.
- d. If anything looks wrong and you can't fix it, write it down on your DA Form 2404. If you find something seriously wrong, report it to direct support as soon as possible.

### **WARNING**

Dry cleaning solvent used to clean parts is potentially dangerous to personnel and property. Do not use near open flame or excessive heat. Flash point of solvent is 138°F (44.6°C).

- (1) Keep it clean: Dirt, grease, oil and debris only get in the way and may cover up a serious problem. Clean as you work and as needed. Use safety solvent (Item 19, Appendix F) to clean metal surfaces. Use soap and water when you clean rubber or plastic material.
- (2) Bolts, nuts and screws: Check that they are not loose, missing, bent or broken. You can't try them all with a tool, of course, but look for chipped paint, bare metal or rust around bolt heads. Tighten any that you find loose.
- (3) Welds: Look for loose or chipped paint, rust or gaps where parts are welded together. If you find a bad weld, report it to direct support.
- (4) Electric wires and connectors: Look for cracked or broken insulation, bare wires and loose or broken connectors. Tighten loose connections and make sure the wires are in good condition.
- (5) Hoses and fluid lines: Look for wear, damage and leaks. Make sure clamps and fittings are tight. Wet spots show leaks, of course, but a stain around a fitting or connector can mean a leak. If a leak comes from a loose fitting or connector, tighten it. If something is broken or worn out, either correct it or report it to direct support (refer to MAC Chart).

Q=Quarterly

e. It is necessary for you to know how fluid leaks affect the status of your equipment. The following are definition of the types/classes of leakage you need to know to be able to determine the status of your equipment. Learn and be familiar with them and REMEMBER - WHEN IN DOUBT, NOTIFY YOUR SUPERVISOR.

Leakage definitions for Organizational PMCS

CLASS I Seepage of fluid (as indicated by wetness or discoloration) not great enough to form

drops.

CLASS II Leakage of fluid great enough to form drops but not enough to cause drops to drip from the item being checked/inspected.

CLASS III Leakage of fluid great enough to form drops that fall from the item being

checked/inspected.

### 4-12. Specific Procedures

H=Hours

Specific procedures for performance of preventive maintenance checks and services are given in table 4-1.

Table 4-1. Organizational Preventive Maintenance Checks and Services

A=Annually

	S=Semiannually						B=Biennially	MI=Miles
ITEM	1	INTERVAL					Item To	
NO	Q	S	Α	В	Н	MI	Be Inspected	Procedures
1 2 3 4 5 6	•	3		В		VII	TIRES/WHEELS  BRAKE/HYDRAULIC LINES	Gage for correct pressure Inspect for cuts, punctures, or other unusual wear or damage Inspect tires for rocks or other foreign objects, missing valve caps, or damaged valve stems. Check wheels for loose or missing lug nuts.  Visually inspect for any indication of oil or brake fluid leaks. Inspect for leaks in air brake system by stopping towing vehicle when air pressure is at maximum and verifying that there is no appreciable drop In air pressure within one minute.
7	•						INTERVEHICULAR CONNECTORS  ELECTRICAL SYSTEM	Check electrical connector, service brake, and emergency brake couplings for damage
8		•					4-8	Inspect wiring harness (es) for cracks in insulation, damaged connectors, broken or damaged conductors,
							4-8	

Table 4-1. Organizational Preventive Maintenance Checks and Services - Continued

Q=Quarterly A=Annually H=Hours S=Semiannually B=Biennially MI=Miles

ITEM	M INTERVAL						Item To	
NO	Q	S	Α	В	Н	MI	Be Inspected	Procedures
							LANDING GEAR	
9		•					BODY	With semitrailer coupled to towing vehicle, check operation of landing gear.
10 11		•					BODT	Inspect for loose or damaged hardware. Visually inspect for Indications of rust.
12	•						BRAKES	During road operation, make several stops, observe any side pull, noise, chatter, or other unusual condition. Apply semitrailer brakes only, verify that brakes operate properly.
							BRAKE DRUMS AND HUBS	brakes operate property.
13	•							Following operation, cautiously feel brake drums and hubs. An overheated drum/hub may indicate an improperly adjusted, defective, or dry wheel bearing or dragging brake. An unusually cool drum/hub may indicate an inoperative brake.
14		•					SPRINGS/SUSPENSION	Inspect springs suspension and torque
15		•						rods for loose or broken components. Tighten spring U-bolts, leaf clips, all assemblies, and mounting bolts
16							WHEEL BEARINGS	Clean wheel bearings and repack.
17	•						KINGPIN, FIFTH WHEEL	Inspect kingpin and upper fifth wheel plate for damage. Tighten all mounting
							AIR SUSPENSION SYSTEM	hardware Lubricate as necessary.
18	•					First 1000 &		Inspect for loose nuts, bolts, and air connections Tighten as necessary.
19	•					3000 First 1000 &		Check air springs for equal inflated firmness
20	•					3000 First 1000 &		Check ride height dimension
21	•					3000		Check suspension system for broken or
22	•							abnormally worn parts Block up rear of semitrailer until tires clear ground and suspension is fully extended Insure that air springs fully deflate
							4-9	

Table 4-1. Organizational Preventive Maintenance Checks and Services - Continued

H=Hours

S=Semiannually							B=Biennially	MI=Miles	
ITEM		INTERVAL					Item To		
NO	Q	S	Α	В	Н	МІ	Be Inspected	Procedures	
23	•						AIR MOUNTED FIFTH WHEEL KINGPIN	With rear of semitrailer blocked as in item 22, inspect air spring for wear at connection points. Check shock absorbers for oil leakage or worn rubber bushings. Check for wear resulting from insufficient clearance around air springs, shock absorbers, and tires.	
24	•						WHELE KINGI IIV	Check shock absorbers for oil leakage or	
25	•							worn rubber bushings. Inspect hinge bushings for wear.	

A=Annually

### Section VI. TROUBLESHOOTING

2.

3.

### 4-13. Scope

Q=Quarterly

- a. This section contains troubleshooting information for locating and correcting most of the operative troubles which may develop in the semitrailer. Each malfunction for an individual component, unit or system is followed by a list of tests or inspections which will help you to determine corrective actions to take. You should perform the tests/inspections and corrective actions in the order listed.
- b. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by instead corrective actions, notify your supervisor.
- c. Table 4-2 lists the common malfunctions which you may find during the operation or maintenance of the semitrailer or its components.

Table 4-2. Troubleshooting

# MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

### **ELECTRICAL SYSTEM**

- 1. ALL 24-VOLT LIGHTS FAIL TO OPERATE
  - Step 1. Inspect intervehicular cable for proper connection in all steps, check for loose ground connection
  - Connect cable properly. Tighten ground Step 2 Inspect for dirty or corroded terminals in intervehicular cable
  - Clean terminals in plug and receptacle
    Step 3 Check to see that light switch on towing
    vehicle is in desired position
    Place towing vehicle light switch in proper

mode of operation.

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

Table 4-2. Troubleshooting - Continued

	ELECTRICAL SYSTEMS - Continued
Step 4	Check to see that current is flowing from
	towing vehicle. Check towing vehicle cables and circuit
	breakers.
Step 5	Check wiring harness for short circuitl
0.00	Check cable for bare spots Repair if
	necessary.
Step 6	Check light switch on towing vehicle.
	Replace towing vehicle light switch if
	defective.
	MORE 24-VOLT LAMPS WILL NOT LIGHT
Step 1	Inspect for burned out lamp.
	Replace defective lamp (paragraphs 3-9
01	through 3-14).
Step 2	Inspect for dirty or corroded cable contacts in
	sleeves or lamp sockets. Remove lamps and clean contacts
Step 3	Check for broken or loose connections
Step 5	Tighten, repair, or replace as necessary
Step 4	Check to see if light assembly Is defective
Otop 4	Replace defective light assembly (paragraphs
	4-22 through 4-27)
Step 5	Inspect intervehicular cable for dirty or cor-
•	roded terminals
	Clean receptacle and plug
	FLICKERING 24-VOLT LIGHTS
Step 1	Clean to see If lamp is defective
	Replace defective lamp (paragraphs 3-9
0. 0	through 3-14).
Step 2	Inspect for poor or loose ground connections
	Clean ground cable terminal and tighten connections.
Step 3	
Steh 2	Inspect for loose, dirty, or corroded terminals
	Clean and tighten terminals
	J.Jan. and lighton torrinial

### Table 4-2. Troubleshooting - Continued

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

Step 4 ELECTRICAL SYSTEM - Continued
Check for dirty or corroded lamp sockets,
cable connectors or harness contacts.
Clean as necessary.

DIRECTIONAL SIGNALS INOPERATIVE.

Step 1. Check for defective flasher or switch in towing vehicle

Replace defective part

Step 2. Check light assembly

Replace defective light assembly (paragraph 4-23 or 4-25).

Step 3. Inspect for dirty or corroded lamp sockets or contacts

Remove lamp and clean socket and contacts.

ALL 110-VOLT LAMPS FAIL TO OPERATE

Step 1 Check power cable connection Pull plug out and insert fully.

Step 2 Check to see if current Is available from power source.

Check power source for failure.

6. ONE OR MORE 110-VOLT LIGHTS WILL NOT

LIGHT

Step 1 Check to see if lamp is defective. Replace defective lamp (paragraphs 3-15, 3-16)

Step 2 Inspect for dirty or corroded lamp socket or contacts.

Remove lamp and clean contacts.

Step 3 Inspect for broken wire or loose connections

Tighten, repair, or replace wire

Step 4 Check for defective light assembly Replace defective light assembly (paragraph

Replace defective light assembly (paragraph 4-28 or 4-29)

ONE OR MORE FLUORESCENT LAMPS WILL NOT LIGHT

Step 1 Check to see if lamp is defective.

Replace defective lamp (paragraph 3-17).

Step 2. Check to see if ballast is defective

Replace defective ballast (paragraph 4-30)

Step 3. Check to see if fixture is defective Replace defective fixture (paragraph 4-30).

BRAKE SYSTEM

BRAKES WILL NOT RELEASE.

Step 1. Check to see if relay valve Is in applied position.

Build up pressure in semitrailer brake system If trailer is coupled. Open drain cock in semitrailer air reservoir If van is uncoupled.

Step 2. Inspect intervehicular air hose for proper connection

Connect hose properly.

Step 3. Check to see if brake on towing vehicle is in applied position.

Release towing vehicle brake

Step 4. Check for restrictions in service and emergency air lines, or intervehicular hose.

Straighten Kinks and bends in lines or hose

Step 5 Check to see if shutoff valves on towing vehicle are in closed position

Open towing vehicle shutoff valves.

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

**BRAKE SYSTEM - Continued** 

Step 6. Check to see if air reservoir drain cock is open Close air reservoir drain cock

Step 7. Inspect brake shoe retraction spring to determine if spring is weak or broken

Replace brake shoe return spring (paragraph 4-34).

2. NO BRAKES OR WEAK BRAKES

Step 1. Check to see if shutoff valves on towing vehicle are closed

Open towing vehicle shutoff valves

Step 2. Inspect intervehicular air hose for proper connection

Connect air hose properly

Step 3. Check to see If semitrailer air reservoir drain cock is open

Close air reservoir drain cock

Step 4. Check to see If air pressure is low

Check air pressure gage on towing vehicle
Remove any restrictions in air lines Make
leakage test With air hose couplings
connected and brakes applied, coat couplings,
connectors and fitting with soap and water
solution No leakage is permissible

Step 5. Check relay valve for defect

Perform operating test (paragraph 4-41b). Replace if necessary.

Step 6. On those semitrailers incorporating an air

filter, inspect for clogged filter Clean or replace element (paragraph 4-40)

Step 7. Check for air in hydraulic brake system
Bleed hydraulic brake system (paragraph 4-33).

Step 8. Check for leaks in hydraulic system Tighten connections

Step 9. Inspect for grease or brake fluid on brake lining

lining.

Replace brake shoe (paragraph 4-35) Check
and replace wheel cylinder, if necessary
(paragraph 4-36)

Step 10. Check to see if brakes are out of adjustment Adjust brakes (paragraph 4-32)

Step 11. Check for worn brake linings

Replace brake shoe if lining is worn (paragraph 4-35)

Step 12. Check to see if brake fluid is low in master cylinder.

Fill master cylinder with brake fluid or replace defective master cylinder (paragraph 4-38).

Step 13. Check for defective master cylinder Replace defective master cylinder (paragraph 4-38)

Step 14. Check for defective wheel cylinder Replace defective wheel cylinder (paragraph 4-36).

3. SLOW BRAKE APPLICATION OR SLOW RELEASE.

Step 1. Check to see if air pressure is low Check air supply Make leakage test (paragraph 4-44) 4-2. Houbleshooting - Continued

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

**BRAKE SYSTEM - Continued** 

Step 2.	Check to see if air filter is clogged (if installed).
Step 3.	Clean or replace element (paragraph 4-40a) Check for defective relay valve.
	Perform operating test (paragraph 4-41b) and replace if necessary
Step 4	Check for air m hydraulic brake system Bleed hydraulic brake system (paragraph 4-33)
Step 5	Check for weak or broken brake shoe retraction spring
Step 6	Replace spring (paragraph 4-34) Check for insufficient brake fluid in master cylinder
	Fill master cylinder with brake fluid until
	fluid level is one-half to three-eighths of an inch below top of reservoir (paragraph 4-38b)
Step 7	Check for defective master cylinder
'	Replace defective master cylinder (paragraph 4-38)
Step 8	Check for defective wheel cylinder
	Replace defective wheel cylinder (paragraph 4-36).
GRABBING	
Step 1	Check for moisture In air filters (if installed)
Otop .	or air reservoir
	Drain air filters and drain air reservoir
Step 2	Check for defective relay valve
•	Perform operating test (paragraph 4-41b)
	Replace If necessary
Step 3.	Check for grease on brake lining.
	Replace brake shoe (paragraph 4-35). Replace
0. 4	oil seal if necessary (paragraph 4-47)
Step 4.	Check to see if brakes are out of adjustment
Stop 5	Adjust brakes (paragraph 4-32) Check for cracked, scored, or deformed brake
Step 5.	drum.
	Replace defective brake drum (paragraph
Stop 6	4-47). Check for loose or worn brake lining
Step 6	Replace brake shoes (paragraph 4-35)
Step 7	Check for loose or worn wheel bearings
Otop 7	Adjust wheel bearings (paragraph 4-47f) If
	they cannot be adjusted properly, replace
	wheel bearings (paragraph 4-47f)
BRAKE DR	RUM RUNNING HOT
Step 1	Check to see If brakes are adjusted too tightly
0. 0	Adjust brakes (paragraph 4-32)
Step 2	Check for weak or worn brake shoe retraction spring
	Replace defective spring (paragraph 4-34)
Step 3	Check for deformed brake drum
	Replace deformed brake drum (paragraph
UNEVENE	4-47). BRAKING

Check to see if brakes are out of adjustment

Adjust brakes (paragraph 4-32).

4.

5.

6.

Step 1

4-12

Table 4-2. Troubleshooting - Continued

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

**BRAKE SYSTEM - Continued** 

Step 2. Check for grease on brake lining.
Replace brake shoe (paragraph 4-35) Replace
oil seal If necessary (paragraph 4-47)

Step 3. Check for defective wheel cylinder Replace defective wheel cylinder (paragraph 4-36).

7 NOISY BRAKES

Step 1. Check for loose rivets or loose lining.
Replace brake shoe (paragraph 4-35).
Step 2. Check for scored or deformed brake drum.
Replace defoctive brake drum (paragraph).

Step 2. Check for scored or deformed brake drum Replace defective brake drum (paragraph 4-47).

Step 3. Check for road grit, rust or metal particles in brake drum.

Clean brake drum and brake components.
WHEELS AND HUBS

1. WHEEL NOISE

Step 1. Check for worn wheel bearings Replace worn wheel bearings (paragraph 4-47).

Step 2. Check for worn brake lining or lining that is too tight against drum

Adjust brakes (paragraph 4-32) or replace brake shoes (paragraph 4-35)

Step 3 Check to see if wheel bearings are too tight Adjust or replace wheel bearings (paragraph 4-47).

2. WHEEL WOBBLE

Step 1. Check wheel bearings for wear or damage Replace worn or damaged wheel bearings (paragraph 4-47)

Step 2. Check to see if wheel bearings are too loose. Adjust or replace loose wheel bearings (paragraph 4-47).

RIGID LANDING GEAR

ERRATIC OPERATION (BINDING AND GRINDING)
 Step 1. Check for grit and dirt on working parts
 Clean working parts

Step 2. Check for adequate lubrication
Lubricate in accordance with the lubrication
order (figs 3-1 and 3-3).

SWING-UP LANDING GEAR

ERRATIC OPERATION (BINDING AND GRINDING)
 Step 1 Check for grit and dirt on working parts

Clean working parts

Step 2 Check operation after cleaning
Replace landing gear if binding persists
Lubricate In accordance with lubrication
order (fig 3-1)

LEVELING JACK

1. JACK IS HARD TO OPERATE

Step 1 Check lubrication

Lubricate according to lubrication order (figs 3-1 and 3-3)

Step 2 Check for bent jack screw

Replace leveling jack if jack screw is bent

Step 3 Check for bent or dented housing Replace housing as necessary

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

LEVELING JACK - Continued

2. JACK FOOT PLATE WILL NOT SET ON BASE

Step 1. Check foot plate

Replace bent foot plate

TANDEM SUSPENSION SYSTEM

1. PULLING TO LEFT OR RIGHT

Step 1. Check for dragging brakes

Adjust brakes (paragraph 4-32).

Step 2. Check for improper wheel bearing adjustment

Adjust bearings (paragraph 4-47)

Step 3 Check for loose suspension springs Tighten U-bolt nuts

EXCESSIVELY WORN, SCUFFED, OR CUPPED TIRES.

Step 1. Check for improper tire pressure

Inflate to proper pressure (paragraph 3-18b)

Step 2. Check for loose wheels Tighten wheel nuts.

Step 3. Check for loose wheel bearings

Adjust wheel bearings (paragraph 4-47)

Step 4. Check for deformed wheel or rim.

Replace defective wheel (paragraph 3-18).

Step 5. Check for deformed brake drum.

Replace deformed brake drum (paragraph

AIR SUSPENSION SYSTEM

1 ALL AIR SPRINGS ARE FLAT.

Step 1 Check for sufficient air pressure Build up towing vehicle air pressure to 65 psi (paragraph 2-2e).

Step 2. Check for poor coupling connections Connect couplings properly (paragraph 2-2)

Step 3 Check air lines for breaks or leaks Repair or replace.

2 AIR SPRINGS FLAT ON ONE SIDE OF TRAILER ONLY

Step 1. Check height control valves adjustment Adjust valve to proper dimensions (paragraph 4-56b)

Step 2 Check air spring for severe leak or blowout Replace air spring (paragraphs 4-57d, e)

Step 3. Check height control valve for defect Replace height control valve.

Step 4 Check height control valve linkage for breaks or bends

Repair or replace linkage

Step 5 Check air line for leak or break Repair leak or replace line

SEMITRAILER LEANS.

3

Step 1 Check height control valve adjustment or malfunction.

Adjust or replace height control valve.

Step 2 Check air spring for severe leak or blowout Replace air spring (paragraph 4-57d, e)

Step 3 Check air lines for leaks

Repair air line leaks

4 SUSPENSION DEFLATES RAPIDLY WHEN PARKED

Step 1 Check air lines for leaks. Locate and repair leak.

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

AIR SUSPENSION - Continued

Step 2. Check air spring for leaks or wear.

Replace air spring

5. AIR SPRING BLOWN OUT

Step 1. Check for excessive wear, puncture or cut Replace air spring

Step 2. Check if tires or rims are rubbing air spring Align wheel properly.

Step 3. Check for continual or repeated overextension of air spring

> Adjust height control valve Replace shock absorber if broken Replace broken upper shock mount bracket

Step 4. Check for proper adjustment of height control valves.

Adjust height control valve (paragraph 4-56b).

6. TORSION BAR BREAKAGE

Step 1. Check adjustment of height control valves. Readjust height control valves (paragraph 4-56b).

Step 2. Check axle connections for looseness Tighten U-bolt nuts to proper torque limits (table 4-3)

7 WEAR OF TORSION BAR RUBBER BUSHING

Step 1. Check for torsional preload in bushing.

Loosen clamp bolts and retighten with suspension
equalizing arms at normal ride position.

AIR MOUNTED FIFTH WHEEL KINGPIN

AIR SPRINGS FLAT.

Step 1. Check air pressure of system
Build up towing vehicle air pressure to 65 psi.

Step 2 Check for poor coupling connection Connect coupling properly (paragraph 2-2).

Step 3. Check air lines for leaks or breaks Repair or replace.

2. UNLEVEL CONDITION WHEN FULLY INFLATED.

Step 1. Check air spring for blowout or leaks Replace air spring (paragraph 4-59).

Step 2. Check air lines for leaks or breaks Repair or replace.

B. SYSTEM DEFLATES RAPIDLY WHEN PARKED

Step 1. Check air lines for leaks or breaks Repair or replace

Step 2. Check air spring for leaks

Replace air spring (paragraph 4-59).

AIR SPRING BLOWN OUT

Step 1. Check air spring for wear, cuts and punctures.

Replace air spring (paragraph 4-59)

Step 2. Check if semitrailer operated extensively with low or no air in springs. isolate and correct condition Replace air spring (paragraph 4-59)

Step 3. Check for continual or repeated overextension of air spring

Adjust height control valve (paragraph 4-58b) or replace shock absorber, if broken (paragraph 4-59c and d)

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

### **DOORS**

DIFFICULTY IN LOCKING OR UNLOCKING DOORS
Step 1 Check center lock, flush bolts and striker

plates for rust and corrosion
Clean and lubricate

Step 2 Check if door is hard to lock

Add shim stock as required under center lock and/or flush bolt guides

Step 3 Check for a good weather-tight seal when door is in closed and locked position

Add shim stock as required under striker plate at flush bolts

Replace defective lock assembly (paragraph 4-66)

DOOR HINGES DO NOT OPERATE PROPERLY

Step 1 Check for rust on hinge pin Remove rust and lubricate

Step 2 Check for cracked or broken hinge

Replace defective hinge (paragraph 4-65)
DECONTAMINATION PORT AND AIR VENTS

Step 1 Check gaskets for serviceability

Remove defective gasket, clean area and install new gasket (paragraphs, 4-69, 4-70)

Step 2 Check condition of air vent screen Replace defective screen (paragraphs, 4-69, 4-70).

## MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION

### **ACCESS OPENINGS**

1 COVER DOES NOT SEAL OPENING

Step 1 Check cover for warpage or distortion Straighten cover Replace cover if defective (paragraph 4-71)

Step 2 Check cover seals or gaskets

Replace seals if defective (paragraph 4-71)

Step 3 Check cover hinge for defects or bind Straighten bent hinge Replace defective hinge (paragraph 4-71)

2 COVER SHIELDS DO NOT OPERATE PROPERLY

Step 1 Check shields for proper alinement Straighten shields as necessary Replace defective shield (paragraph 4-71)

Step 2 Check shield hinge for warpage or bind Straighten bent hinge Replace defective hinge (paragraph 4-71)

Step 3 Check stay for misalinement Straighten stay

Step 4 Check shield seals

Replace defective seals (paragraph 4-71)

3 LOCKING DEVICES DO NOT OPERATE PROPERLY

Step 1 Check captive screws and thumb screws Replace defective screws

Step 2 Check captive screw receptacles an rivnuts.

Replace defective receptacles and rivnuts.

### Section VII. MAINTENANCE ELECTRICAL SYSTEM

### 4-14. General

a. All semitrailers are equipped with a 24-volt electrical system that is supplied from the electrical system of the towing vehicle through the intervehicular cable to the receptacle located at the front center of the chassis. This circuit sup- plies current for the marker clearance lights, service and blackout taillights and stoplights, and the 24-volt Interior dome lights.

- b. The 110/220-volt circuits used on the XM654, XM680, XM680E1, and XM822 semitrailers must be supplied from an external source.
- c. The semitrailer chassis is equipped with 24-volt electrical system. For operation with towing vehicle having a 12-volt system, the using service will exchange the 24-volt lamps with 12-volt lamps and use the special 12-volt cable adapter.
- d. Refer to figures 4-8 through 4-19 for the wiring diagrams.

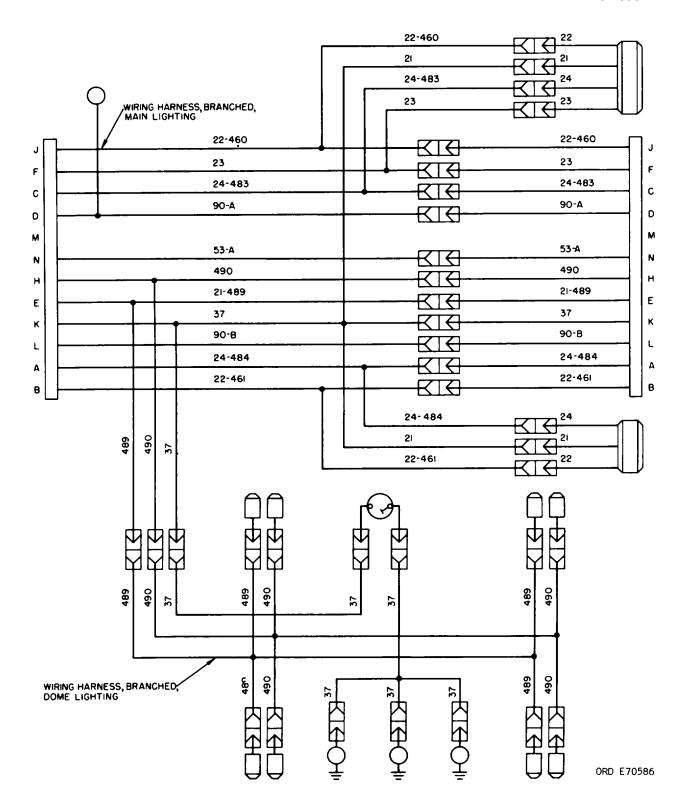


Figure 4-8. Wiring diagram, 25 volts, XM574, XM574E1.

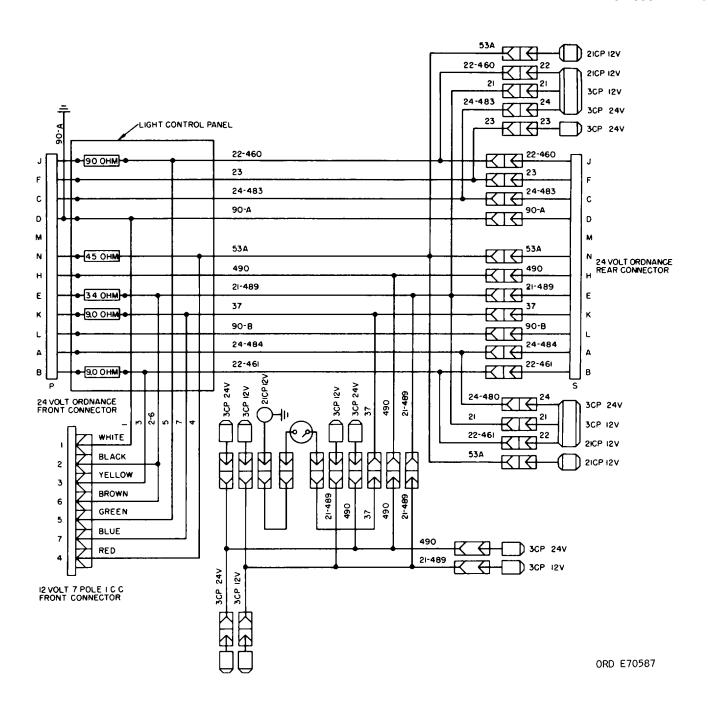


Figure 4-9. Wiring diagram, 24 volts, XM654 (sheet 1 of 3).

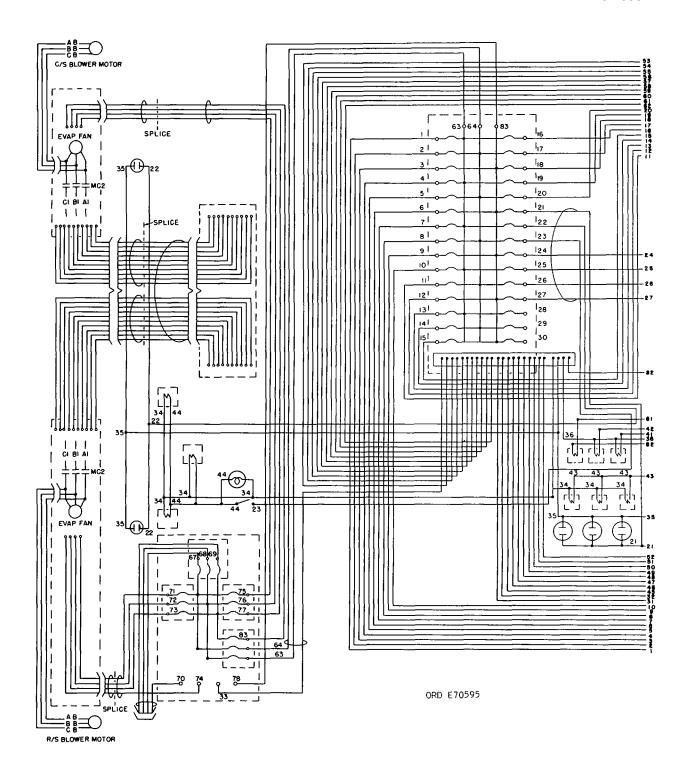


Figure 4-9. wiring diagram, 110/220 volts, XM654 (sheet 2 of 3)

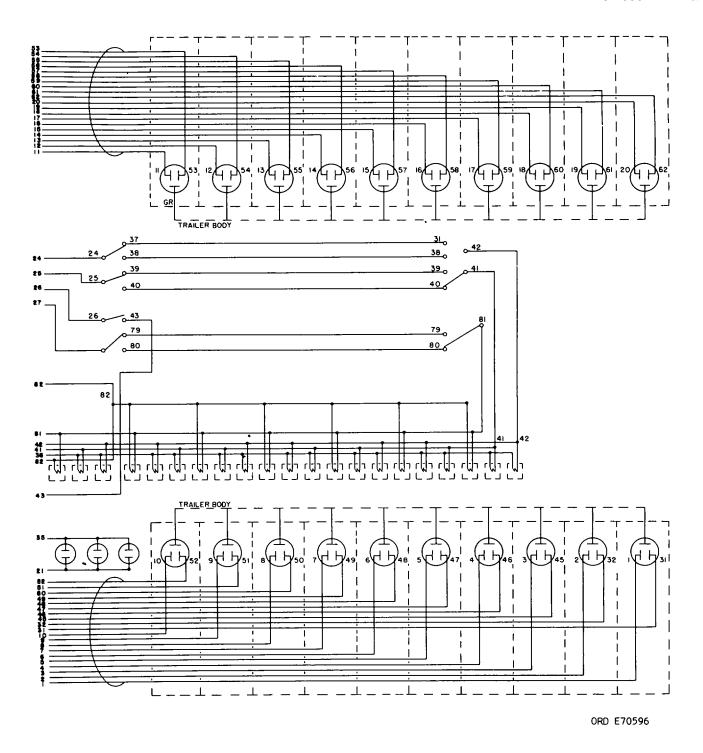


Figure 4-9. Wiring diagram, 110/220 volts, XM654 (sheet 3 of 3)

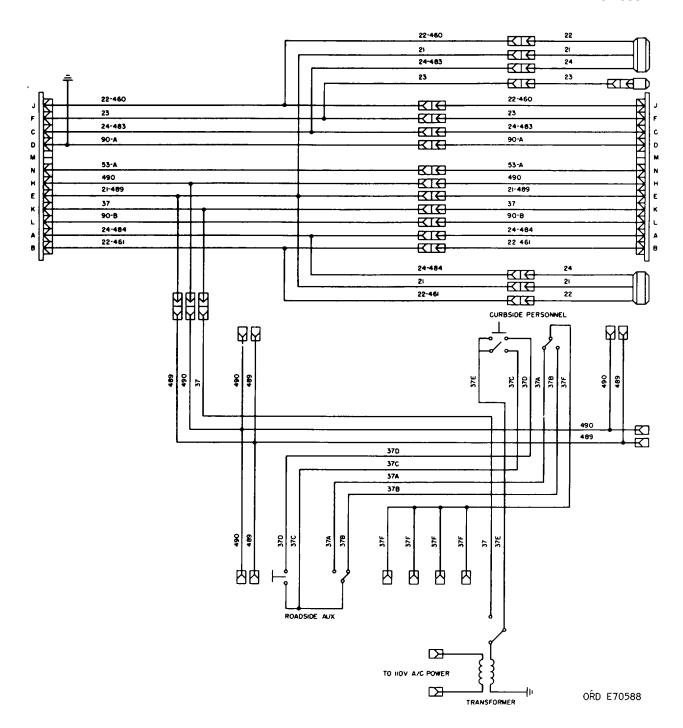


Figure 4-10. Wiring diagram, 24 volts, XM680, XM680E1

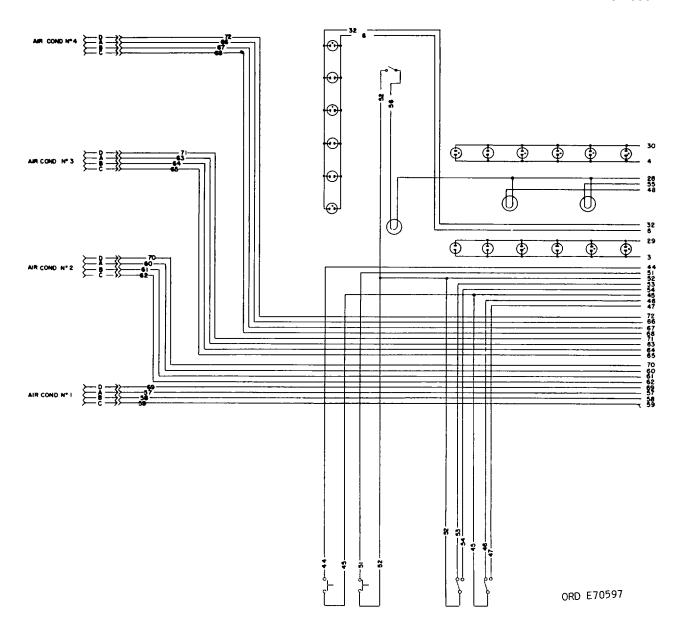


Figure 4-11. Wiring diagram, 110/220 volts, XM680, XM680E1 (sheet 1 of 2).

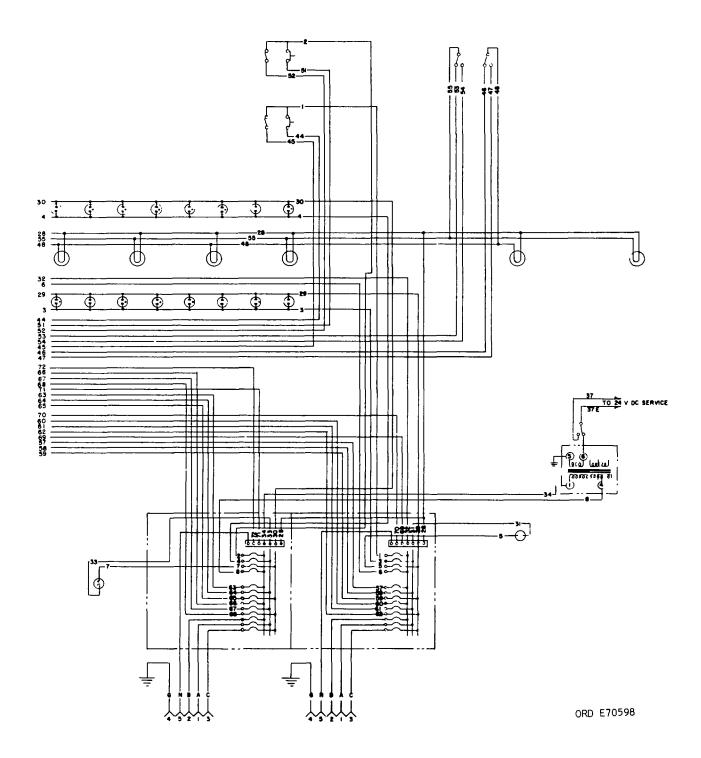


Figure 4-11. Wiring diagram, 110/220 volts, XM680, XM680E1 (sheet 2 of 2).

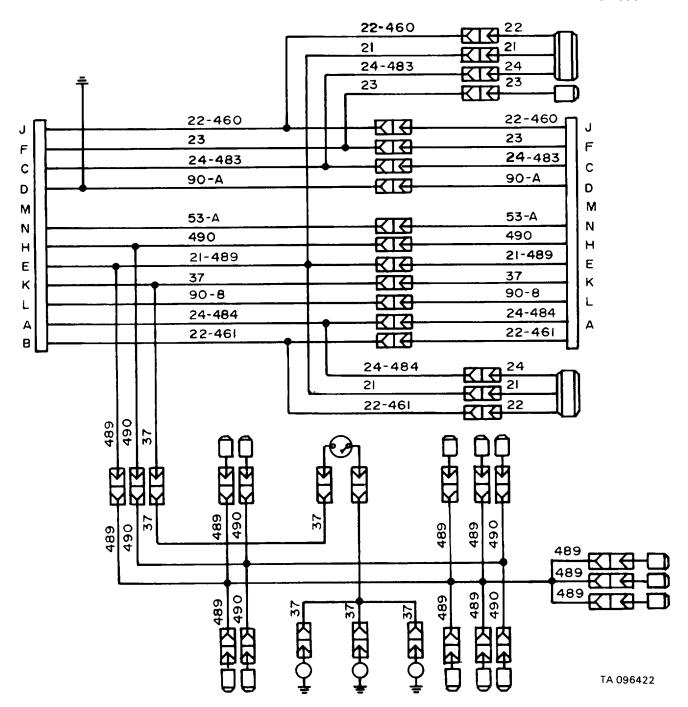


Figure 4-12. Wiring diagram, 24 volts, XM738, XM739, XM739E1, XM828, XM824.

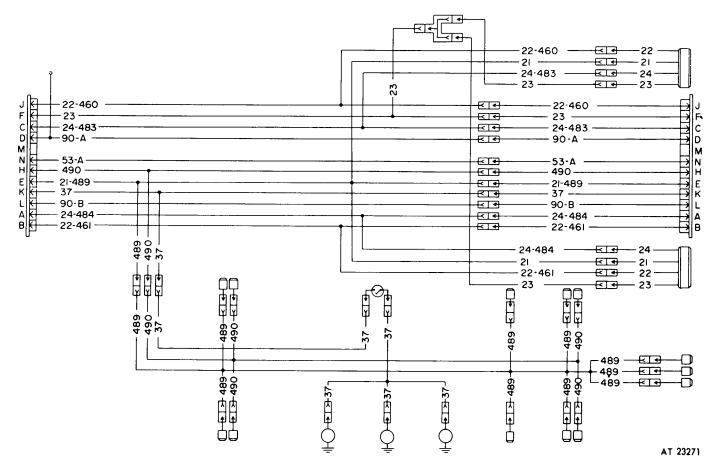


Figure 4-13. Wiring diagram, 24 volts, XM822 (serial number S2669)

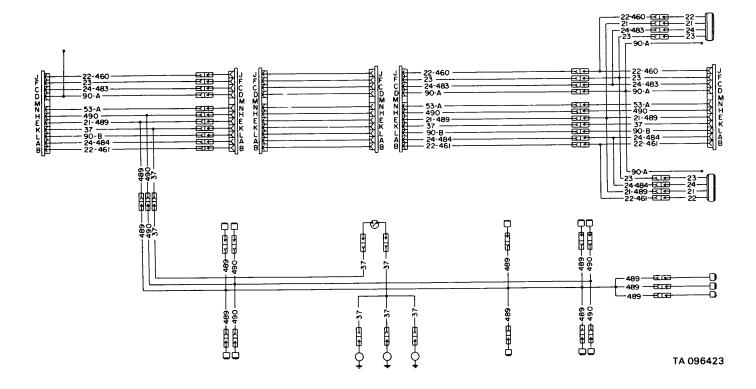


Figure 4-14. Wiring diagram, 24 volts, XM822 (after serial number S2669)

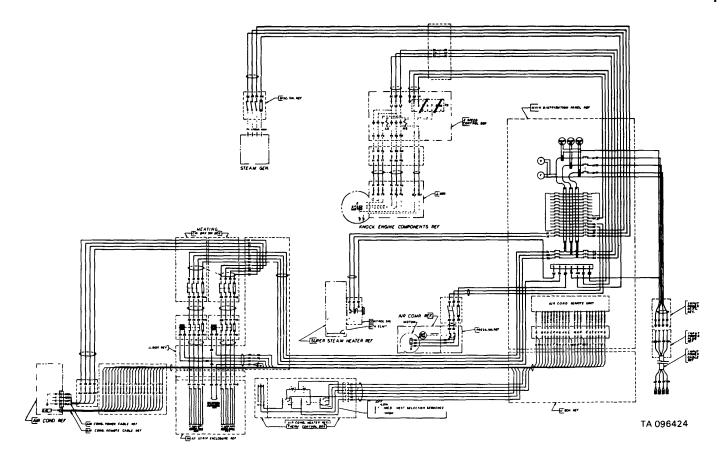


Figure 4-15. Wiring diagram, 110 volts, XM822

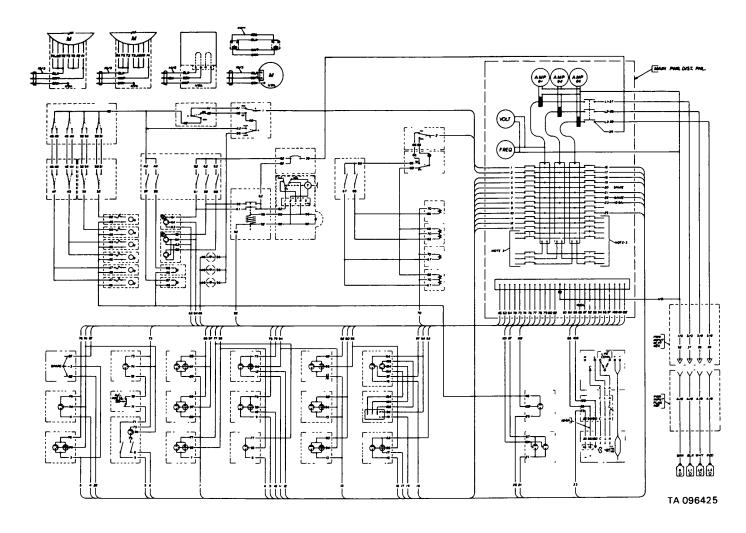


Figure 4-16. Wiring diagram, 220 volts, XM822.

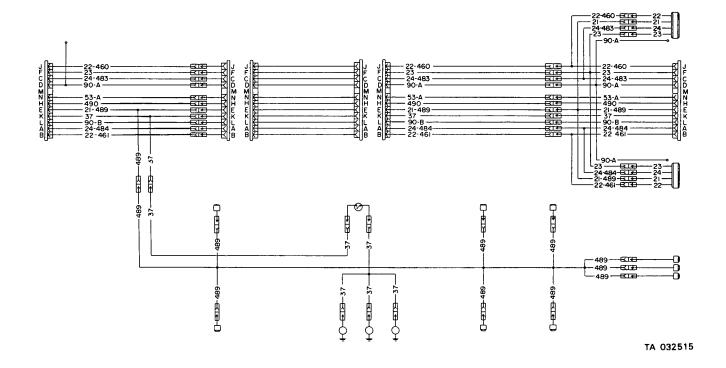


Figure 4-17. Wiring diagram, 24 volts, XM844, XM845.

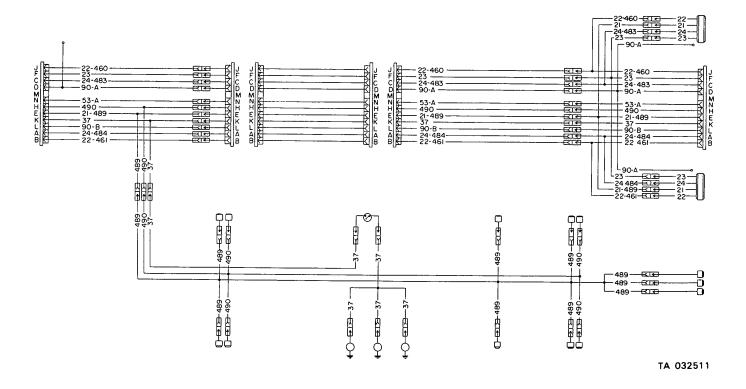


Figure 4-18. Wiring diagram, 24 volts, XM847, XM848, XM849, XM850.

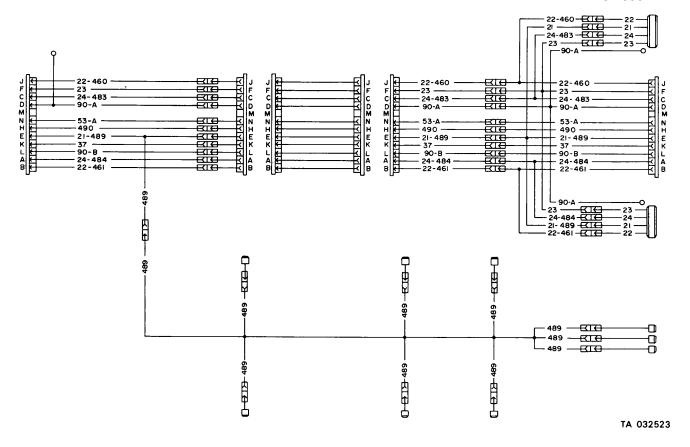


Figure 4-19. Wiring diagram, 24 volts, XM912, XM913.

### 4-15. Intervehicular Cable Receptacle

### a. Removal.

- (1) Remove four nuts, washers and screws which secure cover and receptacle to chassis frame. Remove cover and receptacle.
  - (2) Remove tape to expose nut and wires.
- (3) Remove nut from receptacle and slide nut back over harness.
- (4) Remove rubber bushing from receptacle and slide bushing back over wires to expose solder connections.
  - (5) Unsolder wires at rear of receptacle.
  - b. Cleaning and Inspection.
- (1) Clean all parts with an approved cleaning solvent. Dry thoroughly.
- (2) Inspect all parts for cracks, breaks or other damage.
  - (3) Replace defective part.
  - c. Installation.
- (1) Solder wires to terminals at rear of receptacle in accordance with wiring diagram.
- (2) Slide rubber bushing over wires and solder connections at rear of receptacle.

(3) Slide nut over wires and bushing to rear of receptacle and tighten nut.

#### NOTE

### Receptacle key must be adjacent to cover hinge.

(7) Aline holes in cover and receptacle with holes in chassis and secure with four screws, washers and nuts, with ground lug secured to chassis by one of the washers and nuts.

### 4-16. External Power Entry Receptacle, XM822 (fig. 4-20)

- a. General. An external power entry receptacle is located on the exterior of the XM822 semitrailer at the rear, roadside.
- (4) Make a continuity check of all circuits throughout semitrailer.
- (5) Wrap exposed wires and nut with tape, leaving ground wire (with lug) exposed for later installation (step 7 below).
- (6) Insert ground wire and receptacle into hole in front of chassis and place cover assembly over receptacle flange with center line of cover hinge 90 degrees from center line of van.

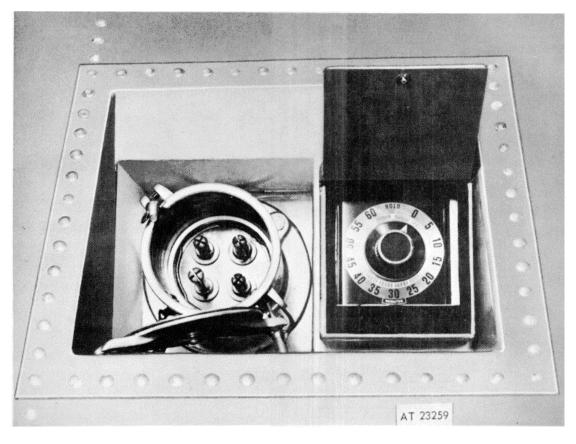


Figure 4-20. External power entry receptacle and time clock. XM822.

- b. Removal (fig. 6).
- (1) Remove four nuts (18), washers (19), and bolts (20) securing receptacle and cover (17) to chassis frame. Remove receptacle.
  - (2) Unsolder wires at rear of receptacle.
  - c. Cleaning and Inspection.
- (1) Clean all parts with an approved cleaning solvent (paragraph 3-3b). Dry thoroughly.
- (2) Inspect for cracks, breaks and other damage.
  - (3) Replace defective parts.
  - d. Installation (fig. 6).
- (1) Solder wires to terminals at rear of receptacle in accordance with wiring diagram (figs. 4-15, 4-16).
- (2) Aline holes in receptacle (17) with holes in chassis and secure with four bolts (20), washers (19), and nuts (18).

### 4-17. Semitrailer Purging Time Clock, XM822 (fig. 4-20)

### a. General.

- (1) A time clock used in the purging of the semitrailer is located on the exterior of the XM822 semitrailer at the rear, roadside, next to the power entry receptacle.
- (2) Van purging instruction is located adjacent to the time clock.
- (3) All exterior doors have warning plates cautioning personnel to purge the van before entering.
  - (4) The purging circuit breaker is always ON.
  - b. Removal of Time Clock.
- (1) Remove four self-locking nuts and screws securing time clock to chassis.
- (2) Unsolder wires at rear of clock and remove clock.
  - c. Installation of Time Clock.
    - (1) Solder wires at rear of time clock.
- (2) Position clock and secure with four screws and self-locking nuts.

### 4-18. Switches

- a. General.
- (1) The XM654 semitrailer has 8 toggle switches and 37 circuit breakers, of which 30 are the 20-amp type used for the 30-dome lights.
- (2) The XM680 and XM580E1 are equipped with 11 toggle switches and 6 micro switches.
- (3) On the XM822 semitrailer, two master switch boxes are located in the rear compartment. The switch box at the left controls the 110-volt circuits; the box at the right controls the 220-volt circuits. Each switch is provided with a circuit breaker.

- (4) On the XM822 semitrailer, a microswitch for the blackout lights is located in each of the three outside door jambs. Two override switches are provided to bypass the blackout lights. Four three-way switches are located in the laboratory compartment and four other three-way switches are located in the rear compartment. A one-way switch is located in the utility compartment.
- b. Removal of Dome Light Switch, 24 Volts, XM574, XM574E1, XM654, XM738, XM739, XM739E1, XM822, XM844, XM845, XM847, XM848, XM849, XM850.
- (1) Remove four screws (four rivets for the XM822) securing switch to wall.
- (2) Detach wires and remove switch c Installation of Dome Light Switch, 24 Volts (1) Attach wires (refer to figs. 4-8, 4-9, 4-12 through 4-14, 4-17, or 4-18).
- (2) Position switch on wall and secure with four screws (four rivets for the XM822 semitrailer).
- d. Removal of Door Operated Blackout Switch, XM822.
- (1) Remove four screws securing cover and seal to switch housing. Remove cover and seal.
  - (2) Detach wires from switch.
- (3) Remove three screws securing switch housing to semitrailer wall.
- (4) Remove connector securing conduit to switch housing and withdraw housing.
- e. Installation of Door Operated Blackout Switch, XM822.
- (1) Position housing and secure conduit to switch with the connector.
- (2) Secure switch housing to semitrailer wall with three screws.
  - (3) Attach wires to switch.
- (4) Position cover and seal on switch housing and secure with four screws.
  - f. Removal of Blackout Override Switch, XM822.
- (1) Remove two screws securing plate and switch (with guard) to junction box.
- (2) Loosen integral locking nut and remove guard and switch.
  - (3) Detach wires from switch.
  - g. Installation of Blackout Override Switch, XM822.
    - (1) Attach wires to switch.
- (2) Position switch and guard on plate and secure by tightening integral locking nut.
- (3) Position plate with switch attached on junction box and secure with two screws.

### 4-19 Receptacles.

### a. General.

- (1) The XM654 semitrailer is equipped with 2 duplex receptacles and 43 twistlock receptacles.
- (2) The XM680 semitrailer is equipped with two duplex receptacles. The XM680E1 semitrailer has four duplex receptacles.
- (3) On the SM822 semitrailer, eight dual receptacles are located in the interior of the van: four in the laboratory compartment and two each in the rear and utility compartments.
- (4) A telephone inlet jack is located on the left wall toward the rear of the laboratory compartment.

### b. Removal of Receptacle.

- (1) Remove screw securing cover plate to receptacle and remove plate.
- (2) Remove screws securing receptacle to junction box.
  - (3) Detach wires and remove receptacle.
  - Installation of Receptacle.
    - (1) Attach wires to receptacle.
- (2) Position receptacle in junction box and secure with screws.
- (3) Position cover plate on receptacle and secure with screws.

### 4-20. Circuit Breaker, XM654, XM822

### a. Removal.

- (1) Disconnect power source from semitrailer.
- (2) Remove screws attaching cover plate to distribution box.
  - (3) Remove wires from terminals.
- (4) Remove screw securing circuit breaker to contact bar.
- (5) Remove circuit breaker by pulling outward and away from center strip.

### b. Testing.

- (1) Connect two terminals of circuit breaker to a fused variable current source of 60 hz, single phase, alternating current.
- (2) Increase current to 5 percent above rating shown in white on front of circuit breaker. The breaker should open the circuit in not less than 2 minutes nor more than 5 minutes.
  - (3) Replace a defective circuit breaker.

#### c. Installation.

- (1) Insert breaker in panel by pushing inward and against center strip.
- (2) Attach circuit breaker terminal to contact bar with screw.
  - (3) Connect wires to circuit breaker terminals.
- (4) Position cover on box and secure with attaching hardware.

### 4-21. Reflector

- a. Reflector Removal.
- (1) Remove two screws securing reflector to body.
  - (2) Remove reflector.
  - b. Reflector Installation.
- (1) Apply sealant In and around mounting holes in van body.
- (2) Position reflector on body and aline mounting holes.
  - (3) Secure with two screws.

### 4-22. Marker Clearance Light

### a. General.

- (1) All semitrailers except XM680 and XM680E1 are equipped with four amber service and five red service clearance lights.
- (2) The XM680 and XM680E1 semitrailers are equipped with two amber service and two red service clearance lights.
- (3) All semitrailers except XM822, XM844, XM845, XM912, and XM913 are equipped with two amber blackout and two red blackout clearance lights.
  - b. Removal (fig. 7).
- (1) Remove two screws (2) securing body (3) to plate (7) and remove body.
- (2) Remove four screws (10) and washers (9) securing marker clearance light to semitrailer.
- (3) Disconnect connector shell on clearance light cable.
  - c. Cleaning, Inspection, and Repair (fig. 7).
- (1) Clean all parts, except rubber items or gaskets, with approved cleaning solvent (paragraph 33b).
- (2) Inspect door for cracks, warpage, cracked or broken lens, or evidence of leakage around gasket.
- (3) Replace a defective lens by removing two nuts (5) from studs on body (3) which secure lens in body. Install new lens (4) or (11) and secure with two nuts (5).
- (4) Check socket to make sure all parts are in good condition and will make good electrical and watertight connections.
  - (5) Replace light if internal parts are defective.
  - (6) Sandpaper scratches, and paint, if required.
  - d. Installation (fig. 7).
- (1) Attach connector on clearance light to the semitrailer cable assembly, making certain that matching cables (identified by numbered markers) are joined.

- (2) Position plate (7) and preformed felt (8) on semitrailer, and secure with four screws (10) and washers (9).
- (3) Test operation of light by turning on switch in towing vehicle.
  - (4) Install body (paragraph 3-9b).

## 4-23. Stoplight, Traillight Assembly, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822 (Serial No. S2669), XM823, XM824

#### a. General.

- (1) The XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822 (serial no. S2669), XM823, and XM824 semitrailers are equipped with two service taillight assemblies, which are mounted at the rear in each side of the frame.
- (2) Each taillight assembly is used as a turn signal indicator in both service and blackout modes of operation. A blackout stoplight is mounted at the right rear in the chassis frame.
  - b. Removal (fig. 9).
- (1) Disconnect three taillight assembly connectors from chassis harness connectors at right and left rear of trailer.
- (2) Remove two screws (13) and lock washers (14) which secure taillight to mounting bracket and remove taillight.

### **NOTE**

## To install stoplight-taillight PN 11614157, use composite light kit 11646355.

- Disassembly (fig. 9).
- (1) Loosen captive screws securing door (6) to body (2) and remove door.
- (2) Remove two screws (8) and lock washers (9) attaching socket and wiring assembly (3) to body (2).
- (3) Remove three screws attaching metal grommet plate and rubber grommet to the body. Remove whole assembly from body by pulling cable through hole in body.
  - d. Cleaning.
- (1) Clean exterior of body and door with approved cleaning solvent (paragraph 3-3b).
- (2) If necessary to clean interior of body and socket assembly, use clean water and soap solution. Do not use cleaning solvent on interior of body.
  - (3) Dry all parts thoroughly.

### e. Inspection.

(1) Inspect for cracked or warped door, cracked or broken lenses or evidence of leakage around lens gaskets. Replace preformed packing if necessary.

#### NOTE

It is not practical to replace lenses or lens gaskets m door since these are clinched in place to make a watertight seal.

- (2) Inspect body for cracks or evidence of leakage. Replace light assembly if body is damaged.
- (3) Check sockets and wiring assembly to make sure grommets, eyelets, sockets, cables, and connectors are in good condition and will make good electrical and watertight connections when installed.
- (4) Check body grommet at rear of socket and wiring assembly to make sure cables are cemented securely to grommet and grommet will make watertight seal in body when installed.
- (5) Replace socket and wiring assembly if the component parts of the assembly are defective.

### f. Assembly (fig. 9).

- (1) Thread cables through grommet plate with the lip of the plate up and towards the baffle plate. Thread cables through small bossed holes in rubber grommets.
- (2) Work grommet on cables until a minimum of 6 inches of the cables extend through rear of grommet. Force grommet through the large hole in rear of body (2).
- (3) Aline three holes of grommet triangular flange with tapped holes of body.
- (4) Aline three holes in grommet retaining plate and secure with three screws.
- (5) Work baffle, socket, and wiring assembly into position in body and aline holes of lugs with two holes on bosses of body and secure with two screws (8) and lock washers (9).
  - g. Installation (fig. 9).
- (1) Thread cable of stoplight taillight assembly through hole in mounting bracket.
- (2) Attach taillight to mounting bracket with two screws (13) and lock washers (14).
  - (3) Connect the matching cables.
  - (4) Test operation of light (paragraph 3-11b(1)).
- (5) Position door assembly (6) with preformed packing (5) on body (2) and secure with captive screws.

- 4-24. Blackout Stoplight Assembly, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822 (Serial No. S2669), XM823, XM824
  - a. Removal (fig. 8).
    - (1) Disconnect light cable connector.
- (2) Remove bolt and lock washer which secure blackout stoplight to rear crossmember of chassis frame.
  - (3) Remove light.

### **NOTE**

To install stoplight-taillight PN 11614157, use composite light kit 11646355.

- b. Disassembly (fig. 8).
- (1) Remove two screws (11) securing door assembly (10) to housing (4).
- (2) Remove door assembly (10) and door gasket (9) from body. Remove door gasket from door.
- (3) Remove two screws (12) and rubber grommets (13) securing lampholder and wiring assembly (7) to housing (4).
  - c. Cleaning.
- (1) Clean exterior of body and door with approved cleaning solvent (paragraph 3-3b).
- (2) If necessary to clean interior of body or socket assembly with attached parts, use clean water and soap solution. Dry thoroughly.
  - d. Inspection and Replacement.
- (1) Inspect door assembly for cracks, warpage, cracked or broken lens, or evidence of leakage around lens gaskets. Replace defective gasket.

### NOTE

It is not practical to replace lens or gaskets in door assembly since these parts are clinched in place to make a watertight seal.

- (2) Inspect housing for cracks or evidence of leakage. Replace light if housing is damaged.
- (3) Check lampholder and wiring assembly to make sure grommets, sockets, ground strip, cable, and connector are in good condition and will make good electrical and watertight connections when installed. Replace light assembly if components of assembly are defective.
- (4) Check that grommet at rear of lampholder and wiring assembly is cemented securely to body; grommet should make watertight seal in body when installed.
  - e. Assembly (fig. 8).
- (1) Position socket and wiring assembly (7) in housing (4) by pressing assembly into housing until housing grommet at rear of assembly seats tightly in opening at rear of housing.

- (2) Aline holes of grommets installed in lampholder and wiring assembly with mounting holes in body and secure with two rubber grommets (13) and screws (12).
  - (3) Install new door gasket (9) in door (10).
  - f. Installation (fig. 8).
- (1) Position blackout stoplight under rear crossmember and secure with bolt and lock washer.
  - (2) Connect cable.
- (3) Test operation of light (refer to Note, paragraph 3-9).
- (4) Position door assembly (10) and gasket (9) on housing (4) and secure with two screws (11), making certain lens is positioned properly (paragraph 3-10b).
- 4-25. Composite Stoplight-Taillight Assembly, XM822, (after Serial No. S2669), XM844, XM845, XM847, XM848, XM849, XM859, XM912, XM913
  - a. General.
- (1) The XM822 (after Serial No. S2669), XM844, XM845, XM847, XM848, XM849, XM850, XM912, and XM913 semitrailers are equipped with two composite tail, stop, turn, amd marker lights, which are mounted in the rear crossmember of the dolly frame.
- (2) The two composite lights replace both the two stoplight, taillight assemblies and the blackout stoplight.
  - b. Removal (fig. 10).
- (1) Disconnect four stoplight connectors from chassis harness connectors.
- (2) Remove two screws (7) and washers (6) securing composite stoplight-taillight assembly to mounting bracket in dolly rear crossmember and remove light.
  - c. Disassembly (fig. 10)
- (1) Loosen six captive screws securing lens assembly (2) to body (11) and remove lens assembly and preformed packing (3).
  - (2) Further disassembly is not authorized.
  - d. Cleaning.
- (1) Clean exterior of light using clean water and soap solution. Do not use cleaning solvent.
- (2) If necessary to clean interior of body or lens assembly, use clean water and soap solution. Dry thoroughly.

- e. Inspection and Replacement.
- (1) Inspect preformed packing and replace if damaged.
- (2) Inspect lens assembly for cracks, warpage, or broken lens. Replace lens assembly if defective.
- (3) Inspect wiring and sockets. Replace light assembly if defective.
  - f. Installation (fig. 10).
- (1) Position light assembly on mounting bracket and secure with two screws (7) and lock washers (6).
- (2) Connect the four wires to the chassis harness connectors.
- (3) Test operation of light following the procedure of paragraph 3-11b(1).
- (4) Position preformed packing (3) and lens assembly (2) on body (11) and secure with six captive screws.

### 4-26. ICC Stoplight, XM654

- a. General.
- (1) The XM654 semitrailer is equipped with two ICC stoplights.
- (2) The ICC stoplights are mounted in the rear crossmember of the dolly frame.
  - b. Removal (fig. 11).
- (1) Disconnect ICC stoplight connector from 12-volt harness.
- (2) Remove three screws (3) and washers (2) securing light to chassis, and remove light.
- (3) Carefully pry out retaining ring (7) and remove lens (6) and gasket (5).
  - c. Cleaning.
- (1) Clean exterior of light using clean water and soap solution.
- (2) Clean lens and interior of light with clean water and soap solution. Dry thoroughly.
  - d. Inspection and Repair.
    - (1) Inspect lens for cracks or breaks.
- (2) Inspect body for dents, warpage, cracks, or other damage.
- (3) Straighten dents where possible and repaint.
  - (4) Inspect gasket.
  - (5) Replace defective parts.
  - e. Installation (fig. 11).
- (1) Position lens (6) and gasket (5) and secure in position with retaining ring (7).
  - (2) Connect wires.
- (3) Position light and secure with screws (3) and washers (2).
- (4) Test light, following procedure of paragraph 3-11b (1).

### 4-27. Dome Light, 24-Volt (all models except XM912, XM913)

### a. General.

- (1) All models, with the exception of XM654, XM680, XM680E1, XM912, and XM913 semitrailers, are equipped with three 24-volt dome lights with white lens and white lamp.
- (2) The XM654 semitrailer is equipped with one 24-volt dome light.
- (3) The XM680 and XM680E 1 semitrailer have four 24-volt dome lights: three with white lens and white lamp, and one 24-volt light with red lens.
- (4) The XM912 and XM913 semitrailers do not have any 24-volt dome lights.
- (5) The three 24-volt dome lights in the XM822 semitrailer are installed in the van, one in each of the three compartments.
  - b. Removal (fig. 12).
- (1) Loosen captive screw, allow hinged cover to swing down, and remove lens (4) and rubber seal (5).
- (2) Remove four screws (3) securing light to ceiling.
  - (3) Pull light down and disconnect wires.
  - c. Cleaning.
- (1) Clean exterior of body with approved cleaning solvent (paragraph 3-3b).
- (2) If necessary to clean interior of body, use clean water and soap solution. Dry thoroughly.
  - d. Inspection and Repair.
    - (1) Inspect lens for cracks or breaks.
- (2) Inspect body for dents and cover for warpage, cracks and damage.
  - (3) Straighten dents or bulges and repaint.
- (4) Inspect rubber seal. If defective, pry out seal from cover and clean bonding surface to remove old bonding material. Install new gasket using proper adhesive material.
  - (5) Replace all defective parts.
  - . Installation (fig. 12).
    - (1) Connect wires.
- (2) Position body of light and secure with four screws (3).
- (3) Position lens (4) and rubber seal (5) in cover, close cover and tighten captive screw.

### 4-28. Dome Light, 110-Volt, XM654, XM680, XM680E1, XM822

- a. General.
- (1) The XM654 semitrailer has 27 dome lights with 75-watt white lamps and 3 dome lights with 40-watt red lamps.

- (2) The XM680 and XM680E1 semitrailers have three dome lights with 75-watt white lamps.
- (3) The XM822 semitrailer has two dome lights with 75-watt explosion proof lamps installed in the rear of the utility compartment. Two additional dome lights with a white 75-watt explosion proof lamp and a red 15-watt blackout lamp in each light are installed in the front of the utility compartment.
  - b. Removal (fig. 13).
- (1) Remove thumbscrews (9) and allow cover (7) to swing down, being careful to hold gaskets (4 and 5) and lens (3) in place in cover.
- (2) Remove gaskets and lens from snap-on clips (6).
- (3) Remove attaching hardware and remove recessed light box (11).
  - (4) Unsolder wires at rear of recessed box.
  - c. Cleaning, Inspection and Repair.
- (1) Clean interior and exterior with clean water and soap solution. Dry thoroughly.
  - (2) Inspect lens for cracks and breaks.
- (3) Inspect body for dents. Straighten dents and paint.
- (4) Inspect cover for warpage, cracks, or other damage. Repair and repaint as required.
  - (5) Inspect snap-on clips.
  - (6) Inspect gaskets. Replace if defective.
  - (7) Replace all defective parts.
  - d. Installation (fig. 13).
    - (1) Solder wires at rear of recessed light box.
- (2) Position recessed box in ceiling opening and secure with attaching hardware.
- (3) Insert gaskets (4 and 5) and lens (3) in cover (7) in position behind snap-on clips (6).
- (4) Position cover (7) on recessed box (11) and secure with thumbscrews (9).

### 4-29. Blackout Dome Light, 115-Volt, XM822

- a. General.
- (1) The XM822 semitrailer has three blackout dome lights with 75-watt, 115-volt bayonet base lamps. Two blackout lights are installed in the laboratory compartment and one light is installed in the rear compartment.
- (2) The XM680 semitrailer has a wall mounted 110-volt blackout light with a 40-watt red lamp.
  - b. Removal (fig. 14).
- (1) Loosen captive screw and allow hinged cover to swing down.
  - (2) Remove lens (3) and seal (2).

- (3) Remove four screws securing light in ceiling and pull light down.
  - (4) Disconnect wires at jumper assembly (7).
  - c. Cleaning, Inspection and Repair.
    - (1) Clean all parts with a clean, dry cloth.
- (2) Inspect light for dents m reflector and broken or chipped porcelain socket and socket retainer.
- (3) Straighten bulges or dents and repaint if necessary.
- (4) Inspect cover for warpage, cracks and damage.
  - (5) Replace lens and seal if necessary.
  - d. Installation (fig. 14).
    - (1) Connect wires at jumper assembly (7).
- (2) Position light in ceiling and secure with four screws.
- (3) Position lens (3) and seal (2) in cover, swing cover up and tighten captive screw.

### 4-30. Fluorescent Lighting Fixture, XM822

- a. General.
- (1) The XM822 semitrailer has six dual 80-watt, 110-volt fluorescent lights.
- (2) Four of the fluorescent lights are installed in the laboratory compartment and two are installed in the rear compartment.
  - b. Removal (fig. 15).

### WARNING

Use care in handling fluorescent lamps to prevent breakage and possible injury to personnel.

- (1) Remove fluorescent lamps (2) (paragraph 3-17a).
- (2) Remove eight screws and washers securing fixture to ceiling.
  - (3) Disconnect wires and remove fixture (1).
  - c. Cleaning, Inspection and Repair.
- (1) Clean exterior of fixture with a rag moistened with approved cleaning solvent (paragraph 3-3b).
- (2) Clean interior of fixture with a clean, dry cloth.
- (3) Inspect reflector box for warpage, dents, scratches or chipped enamel.
- (4) Remove dents, straighten any bend sections and paint if necessary.
- (5) Inspect for defective lamp sockets and ballast.
  - (6) Replace defective components.
  - d. Ballast Removal (fig. 15.).

#### WARNING

## Disconnect the 110-volt power from the semitrailer before attempting to remove ballast.

- (1) Remove mounting screw which retains ballast cover in place at end of lighting fixture. Hinged cover will swing down.
- (2) Cut wires on load and line sides of ballast (3) as close as possible to splices.
- (3) Remove screws securing ballast and remove ballast.
  - e. Ballast Installation (fig. 15).

- (1) Position ballast (3) and secure with screws.
- (2) Connect and solder wires.
- (3) Close cover and secure with mounting screw.
  - f. Installation (fig. 15).
    - (1) Connect and solder wires to fixture (1).
- (2) Position fixture on ceiling and secure with eight screws and washers.
- (3) Replace fluorescent lamps (2) (paragraph 3-17b).
  - (4) Close cover and secure with screws.

### Section VIII. MAINTENANCE OF BRAKE SYSTEM

### 4-31. General

- a. Scope. This section covers procedures for removal and installation of brake shoe assembly, relay valves, master cylinder assembly, air chamber assembly, wheel cylinder assembly, hydraulic and air lines, and air filter. This section also covers cleaning, inspection, and repair of hydraulic lines, air lines, and air filters.
- b. Service Brakes. Service brakes are air-overhydraulic. Air pressure operates the hydraulic braking system. When the semitrailer braking system is connected to the service braking system of the towing vehicle, the service brake pedal on the towing vehicle operates the brakes on both vehicles.
- c. Service Brake System. The service braking system consists of the relay valve, air-hydraulic master cylinders, air reservoir, hydraulic wheel cylinders, service air line, emergency air line, air filters (on some models), air hose couplings, dummy couplings, and the internal brake mechanisms that apply the brake linings to the drums (figs. 4-21 and 4-22.

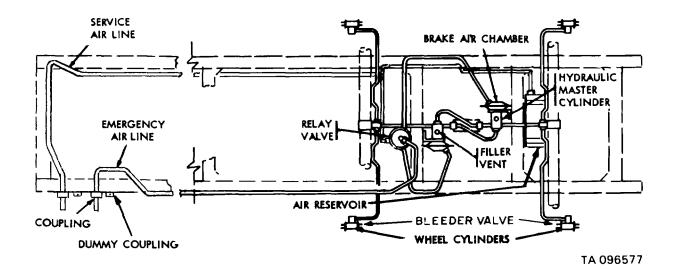


Figure 4-21. Service braking system -- schematic diagram.

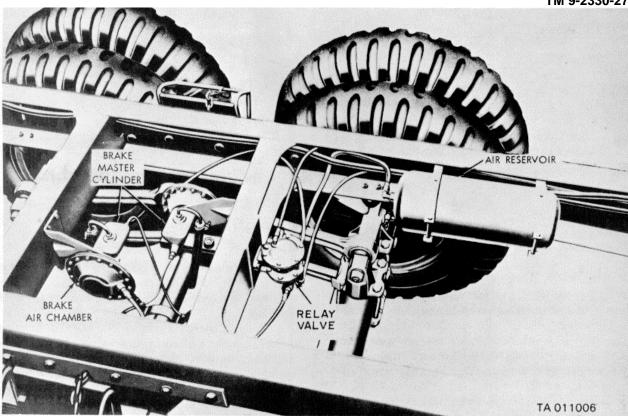


Figure 4-22. Brake system components.

- d. Compressed Air Supply. To produce and maintain a constant supply of compressed air to control and actuate the hydraulic brake system, the towing vehicle is equipped with an air compressor, air reservoirs, a governor for controlling the air pressure, an air gage and a safety valve. Air lines, air hose, and shutoff valves convey compressed air to the trailer service brake control system.
  - e. Functioning of Service Brakes.
- (1) Semitrailer chassis air reservoir. When the air hose couplings are connected between the towing vehicle and the chassis, air shutoff valves on the towing vehicle are opened. Air flows through the air line, air filter, and relay valve to fill the air reservoir on the chassis. Air pressure is built up to equal the pressure in the towing vehicle's system.
- (2) Applying the chassis brakes. When pressure is applied to the brake pedal, air pressure is directed to the relay valve. This valve releases compressed air from the air reservoir to the brake air chamber attached to the hydraulic master cylinder. The air chamber actuates the hydraulic master cylinder to develop hydraulic pressure which moves the wheel cylinder piston in the wheel brake mechanism. These pistons force the lining of the brake shoe against the brake drum.

- (3) Releasing chassis brakes. When the brake pedal is released, a drop in pressure causes the relay valve to release the compressed air from the chassis service brake system, and springs pull the brake shoes away from the drums. The extent of brake release is in direct proportion to the brake pedal movement.
- f. Relay Valve. The relay valve (figs. 4-21 and 4-22) directly controls the service brakes. This valve controls the flow of air to and from the air reservoir and automatically applies the brakes if the trailer breaks away from the towing vehicle or if there is a serious leak in the emergency air line. Provisions are made for connections to the emergency air line, the service air line, air reservoir, and the brake air chambers and to exhaust compressed air that has been used.
- g. Hydraulic Master Cylinder. The two hydraulic master cylinders (fig. 4-23) are attached to the two brake air chambers and the assemblies are

mounted on a bracket under the center of the dolly, forward of each axle (fig. 4-46). The master cylinder converts movement of the brake air chamber push rod into hydraulic pressure to apply the brakes. The air chamber push rod contacts a

piston inside the master cylinder. The piston is actuated by pressure from the push rod to create hydraulic pressure in proportion to the pressure applied by the push rod. Rubber bellows protect the push rod and piston end from foreign matter.

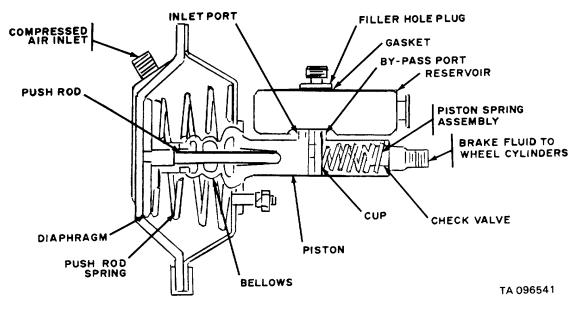


Figure 4-23. Brake hydraulic master cylinder.

h. Hydraulic Wheel Cylinders. Two wheel cylinders (fig. 4-24), mounted on the brake backing plate, actuate the shoes outward to force the brake linings against the brake drums. Each wheel cylinder is connected to the hydraulic master cylinder with tubing and is fitted with a bleeder valve at the rear to permit air to be bled from the system.

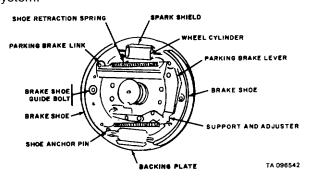


Figure 4-24. Wheel brake mechanism.

- i. Air Reservoir. The air reservoir (fig. 4-22), a metal tank located on the center of the dolly over the rear axle, stores compressed air used to apply the semitrailer chassis brakes. The reservoir is equipped with a drain cock for draining moisture and releasing air pressure if the brakes are locked.
- *j.* Service Air Line. The service air line (figs. 4-21 and 4-25) extends from the hose coupling (marked SERVICE) along the inside of the front rail, and along the inside of the right side rail, into the top of the relay valve assembly. It transmits changes in the air pressure which cause the relay valve to function. These changes result from the brake pedal in the towing vehicle being depressed or released.

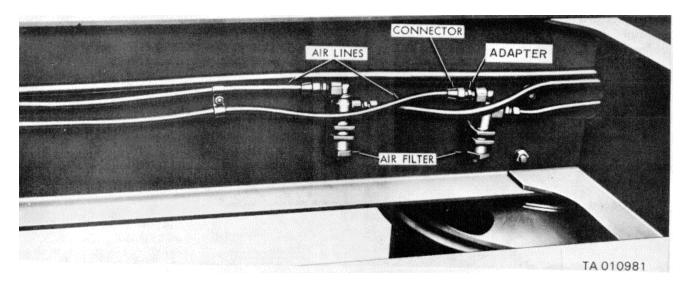


Figure 4-25. Air lines and air filters (some models).

- k. Emergency Air Line. The emergency air line (fig. 4-21 and 4-25) extends from the hose coupling (marked EMERGENCY) along the inside of the left side rail, through an air filter (on some models) and into the bottom of the relay valve assembly It transmits compressed air to fill the air reservoir and to maintain the proper air pressure under the control of the relay valve.
- I. Air Filters Some model semitrailers incorporate air filters (fig. 4-25) connected into the air lines at the midpoint of the chassis frame to prevent moisture or foreign matter from passing through the air lines Removable elements, held in place by spring washers and compression springs, are removed by unscrewing a cap nut. A square head pipe plug in the cap nut is removed to drain any moisture.
- m. Wheel Brake Mechanism. Each wheel brake mechanism (fig. 4-24), located within the brake drum and supported by a brake backing plate, has two brake shoes fitted with brake linings. Two hydraulic cylinders are mounted between the ends of the shoes. Slotted piston rods in each end of the cylinder engage with slots in the end of each brake shoe. Hydraulic pressure forces the cylinder piston outward to apply the brake linings to the drum Two brake retracting springs draw the shoes away from the drums when hydraulic pressure is not applied and hold it in the retracted or released position.

#### 4-32. Brake Adjustment

- a. Preliminary Steps.
- (1) Release pressure from braking system by opening drain cock on air reservoir.

- (2) Place jack under axle and raise rear of semitrailer until tires clear ground.
  - b. Adjustment

#### NOTE

Try to laterally rock wheel, hub and brake drum assembly on axle spindle If rocking condition prevails, adjust wheel bearings (paragraph 4-47f(6)) before making brake adjustment.

- (1) Turn brake shoe adjusting screw (fig 4-26), located at top rear face of brake backing plate, clockwise to expand the front brake lining in contact with brake drum until brakes drag slightly when wheel or drum is turned by hand.
- (2) Back off adjusting screw just enough to allow drum to rotate freely.

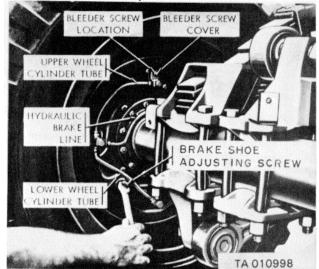


Figure 4-26. Brake adjustment.

- (3) Turn the other adjusting screw located at bottom rear face of backing plate clockwise to expand the rear brake lining in contact with brake drum.
- (4) Back off adjusting screw just enough to allow drum to rotate freely.
- (5) Repeat this procedure on other wheels. Make both adjustments at each wheel as uniform as possible.
- (6) Repeat adjustment on other brakes. The shoe adjusting bolt and spring assemblies lock them in set position.
- (7) Close drain cock on air reservoir, lower tires to ground and remove jacks.

#### 4-33. Bleeding Hydraulic Brake System

- a. General. Proper operation of hydraulic portion of brake system requires a solid column of fluid (without air bubbles). Bleed the system to expel any air which may have entered. Need for bleeding is generally indicated by soft brake action. Bleeding can be done manually or with pressure feed filler. Towing vehicle must be connected to semitrailer for manual bleeding operations.
  - b. Manual Bleeding (fig. 4-27).
- (1) Connect towing vehicle SERVICE and EMERGENCY brake line couplings to their associated semitrailer couplings and open shutoff valves on towing vehicle air lines.

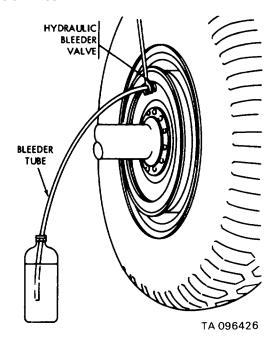


Figure 4-27. Bleeding hydraulic brake system.

(2) Clean bleeder valve and attach tube to bleeder valve (fig. 4-27). Submerge opposite tube end in bottle or jar partially filled with hydraulic brake fluid.

#### **CAUTION**

Do not use brake fluid when refilling master cylinder. Use clean fluid as required on the lubrication order (figs. 3-1 and 3-2).

- (3) Fill hydraulic master cylinder with brake fluid as required on lubrication order (figs. 3-1 and 3-2).
- (4) Rotate bleeder valve three-quarters of a turn counterclockwise. Depress towing vehicle brake pedal to expel air, close bleeder valve before releasing brake pedal.

#### NOTE

#### Do not pump master cylinder dry.

- (5) Expelled air will show as bubbles m brake fluid coming out of tube. Continue step (4) above until air bubbles cease.
  - (6) Remove bleeder tube.
- (7) Repeat steps (1) through (5) on remaining wheel cylinders, replenishing fluid in master cylinder reservoir as necessary.
- (8) Close towing vehicle shutoff valves, open air reservoir drain cock and disconnect towing vehicle SERVICE and EMERGENCY brake line couplings from semitrailer couplings.
- (9) Install filler plug and vent tube in top of master cylinder reservoir.
  - (10) Close air reservoir drain cock.
  - . Pressure Feed Filter Bleeding.
- (1) Install pressure feed adapter in hydraulic master cylinder filler plug hole and connect pressure feed hose to adapter. The air pressure to the master cylinder reservoir should be 10 psi to 20 psi and reservoir should contain sufficient fluid to maintain a constant fluid level during bleeding.
- (2) Repeat steps (2), (4), (6) and (9) of paragraph 4-33b above, except that manual operation of brake pedal is not required.

#### 4-34. Brake Internal Lever and Connecting Link

#### **NOTE**

Some semitrailers do not incorporate internal lever and connecting link.

- a. Removal (fig. 4-28).
  - (1) Open air reservoir drain cock.
  - (2) Remove wheel from hub (paragraph 3-18a).

- (3) Remove hub and brake drum from axle assembly (paragraph 4-47a).
- (4) Remove brake retraction spring, slotted washer, flat washer, and spring washer from each brake shoe spring pin.
- (5) Remove parking brake internal lever and connecting link from the spring pins.

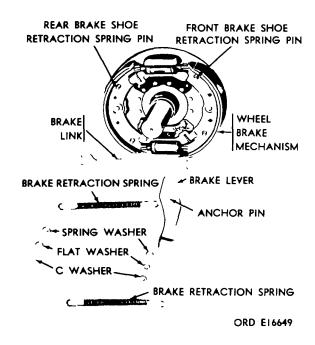


Figure 4-28. Brake internal lever and connecting link.

- b. Cleaning and Inspection.
- (1) Clean all metal parts with approved cleaning solvent (paragraph 3-3b). Dry thoroughly.
- (2) Inspect internal lever and connecting link Replace if necessary.

- (3) Check for broken springs. Replace broken or defective spring.
  - c. Installation.
- (1) Install connecting link on front brake shoe spring pin.
  - (2) Install lever on rear brake shoe spring pin.
- (3) Engage slot on connecting link with anchor pin on lever.
- (4) Install spring washer and flat washer on both pins and secure them with the slotted washer through groove in pins.
- (5) Bend ends of slotted washer against pin if necessary.
  - (6) Install two brake retraction springs.
- (7) Install hub and brake drum (paragraph 4-47f).
  - (8) Install wheel on hub (paragraph 3-18b).
- (9) Bleed and adjust brakes (paragraphs 4-32b and 4-33).

#### 4-35. Brake shoes

- a. Inspection.
  - (1) Inspect brake shoe lining for wear.
- (2) If braking surface is near heads of tubular rivets, or grease or hydraulic fluid is evident, replace entire brake shoe and lining assembly.
  - b. Removal (fig. 4-29).
    - (1) Open air reservoir drain cock.
    - 2) Remove wheel (paragraph 3-18a).
- (3) Remove hub and brake drum (paragraph 4-47a).
- (4) Install clamp over end of wheel hydraulic cylinder (X) and (T) to retain wheel cylinder pistons.
  - (5) Remove helical extension spring (N).

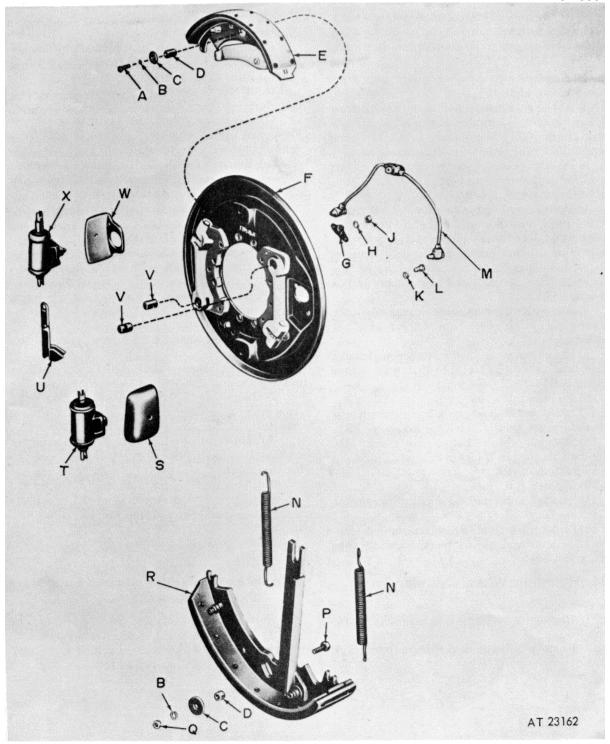


Figure 4-29. Brake assembly - partially exploded view.

Α	Cap screw	E Brake shoe	J Nut	N Spring	S Shield	W Shield
В	Lock washer	F Backing plate	K Lock washer	P Guide bolt	T Cylinder	X Cylinder
С	Washer	G Access cover	L Bolt	Q Nut	U Cable ramp	
D	Sleeve spacer	H Lock washer	M Tube assembly	E Brake shoe	V Pin	

- (6) At the forward brake shoe, remove hexagon nut (Q), lock washer (B), guide bolt washer (C), and sleeve spacer (D) from brake shoe guide bolt (P).
- (7) Remove square neck guide bolt from brake backing plate (F).
- (8) At the rear brake shoe, remove cap screw (A), lock washer (B), guide screw washer (C), and sleeve spacer (D) which secure brake shoe and intercylinder tube assembly (M) in position.
- (9) Disengage brake shoe from wheel cylinder piston rod and anchor support.
  - c. Installation (fig. 4-29).
- (1) Position either brake shoe against brake backing plate and slide into place in anchor supports and wheel cylinder piston rods.
  - (2) Install other brake shoe in same manner.
- (3) Assemble guide bolt sleeve spacer (D), guide screw washer (C), and lock washer (B) on cap screw (A).
- (4) Aline tube connection fitting, part of tube assembly (M), with guide hole at the rear of the backing plate.
- (5) Install the assembled guide screw through slot in brake shoe (E) and into fitting at rear of backing plate.
  - (6) Tighten guide screw.
- (7) Insert brake shoe guide bolt (P) from rear of backing plate through slot in brake shoe (R).
- (8) Assemble guide bolt sleeve spacer (D), guide bolt washer (C), lock washer (B), and nut (Q) on guide bolt (P).
  - (9) Tighten nut.
- (10) Install hub and brake drum (paragraph 4-47f).
  - (11) Install wheel on hub (paragraph 3-18b).
- (12) Bleed and adjust brakes (paragraphs 4-32b and 4-33).

#### 4-36. Hydraulic Wheel Cylinder

- a. Removal (fig. 4-29).
- (1) Remove wheel and tire assembly (paragraph 3-18a).
- (2) Remove hub and brake drum (paragraph 4-47a).

- (3) Unscrew tube assembly bolt from wheel cylinder tube connection fitting.
- (4) Remove fluid pressure connection bolt and washer from tube connection fitting.
  - (5) Pull fitting away from cylinder.
- (6) Remove washer between fitting and cylinder.
- (7) If removing both wheel cylinders, remove lower and upper wheel cylinder tubes (M) from rear of brake backing plate (F).
- (8) Remove two bolts (L) and lock washers (K) securing wheel cylinders (X) and (T) and spark shields (W) and (S) to brake backing plate (F). Slide brake shoes away from wheel cylinder piston rods.

#### **CAUTION**

Prevent hydraulic brake fluid from coming in contact with brake linings, either by dripping or from soiled hands.

- (9) Remove wheel cylinder. Remove spark shield from cylinder.
  - b. Installation (fig. 4-29).
- (1) Position spark shield over rear of each wheel cylinder.
- (2) Place wheel cylinder between ends of brake shoe and through brake backing plate.
- (3) Install two lock washers (K) and bolts (L) from rear of backing plate to secure cylinder and spark shield to backing plate.
- (4) If installing both cylinders, position upper and lower wheel cylinder tubes against rear of backing plate.
- (5) Place washers on bolts, parts of tube assembly (M); then tighten bolts.
- (6) Bleed and adjust brakes (paragraph 4-32b and 4-33).

### 4-37. Brake Backing Plate and Support and Adjuster Assembly

- a. Removal (fig 4-30).
- (1) Scribe alinement marks on support and adjuster assembly and brake backing plate and axle flange to insure proper installation.

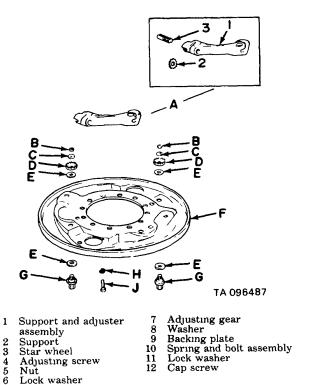


Figure 4-30. Brake backing plate - exploded view.

- (2) Remove two nuts, two lock washers and two cap screws at rear of axle flange. This hardware partially secures upper anchor support and adjuster assembly (1) to brake backing plate (9) and brake backing plate to axle flange.
- (3) Remove two cap screws (12) and lock washers (11) securing each support and adjuster assembly to brake backing plate.
- (4) Carefully lift support and adjuster assembly from backing plate and out of mesh with adjusting gear (7).

#### **NOTE**

Care should be taken to avoid damage to anchor pins (V, fig. 4-29) which will drop out of support and adjuster assembly as they are removed.

- (5) Disconnect hydraulic line at rear of backing plate.
- (6) Remove eight nuts, lock washers and screws securing brake backing plate to axle flange.
  - (7) Slide brake backing plate off axle spindle.
- (8) Remove nut (5) and lock washer (6) securing adjusting gear (7) to spring and bolt assembly (10).
- (9) Remove gear, two washers (8), and spring and bolt assembly from brake backing plate (9).

- b. Inspection and Repair (fig. 4-30).
- (2) Inspect support and adjuster assembly (1) for breaks or cracks. Replace if defective.
- (2) Inspect star wheel (3) for broken or missing teeth. Replace if defective.
- (3) Inspect adjusting screw (4) for damaged threads. Replace defective screw.
- (4) Inspect brake backing plate (9). Straighten and paint as required. Replace if cannot be made serviceable.
  - c. Installation (fig. 4-30).
- (1) Slide one washer (8) on threaded end of spring and bolt assembly (10) and install, threaded end first, through opening at rear of brake backing plate (9).
- (2) Install second washer (8) and adjusting gear (7) on threaded end of stud.
- (3) Secure gear to stud with lock washer (6) and nut (5).
- (4) Following scribed marks made at removal, position brake backing plate (9) against flange of axle and secure with eight cap screws, lock washers, and nuts.
- (5) If removed, install anchor pin (V, fig. 4-29) in large opening at end of support and adjuster assembly.
- (6) Before installing support and adjuster assembly, make certain adjusting screw (4) is properly positioned in support (2) to receive the brake shoe which seats on its top surface. The adjusting screw should be recessed 1 inch below rim of the support. Rotation of the star wheel (3) will adjust screw to required dimension.
- (7) Following scribe markers made at removal, position each support (2) on front of brake backing plate(9). Make certain star wheel meshes with installed adjusting gear.
- (8) Secure each support and adjuster assembly to backing plate with two cap screws (12) and lock washers (11).

#### **NOTE**

# The cap screws are installed in mounting holes at extreme ends of support and adjuster assembly.

(9) Install two cap screws (from rear of axle flange) through two center mounting holes of upper support and adjuster assembly. Secure cap screws with two lock washers and nuts.

#### 4-38. Hydraulic Master Cylinder

a. General. The master cylinder is attached to the brake air chamber and the assembly is mounted on a bracket under the center rear of dolly frame.

- b. Master Cylinder Service.
- (1) Master cylinder service includes only flushing and refilling hydraulic system as follows:
- (2) Remove vent tube assembly and filler plug and spacer from top of master cylinder.
- (3) Perform procedures of paragraph 4-33b (1), (2), and (4) at each wheel cylinder.
- (4) Keep master cylinder reservoir filled with denatured alcohol while brake pedal is slowly pumped until clean fluid passage is observed.
- (5) Perform step (5) of paragraph 4-33b, using clean brake fluid specified on lubrication order (figs. 3-1 and 3-2) to force all flushing agent from system.
- (6) Add hydraulic fluid to master cylinder reservoir until fluid level is one-half inch to three-eights of an inch below top of reservoir.
- (7) Perform steps (6), (8), and (10) of paragraph 4-33b.
  - c. Removal.
- (1) Release air pressure from system by opening drain cock on air reservoir.
- (2) Disconnect master cylinder-to-tee flexible hose from rear of cylinder.
- (3) Remove three nuts and lock washers which attach cylinder to bracket.
- (4) Move cylinder to one side sufficiently to detach rubber bellows.
  - (5) Remove master cylinder.
  - d. Installation.
- (1) Position master cylinder over the three studs and against bracket. Make sure that brake air chamber push rod is properly seated in master cylinder piston.
- (2) Install rubber bellows over lip on master cylinder.
- (3) Secure cylinder in place with three nuts and lock washers.
- (4) Connect master cylinder-to-tee hose to rear of cylinder.
  - (5) Close drain cock on air reservoir.

#### 4-39. Brake Air Chamber

- a. General. The brake air chamber is mounted to the front of master cylinder. It converts air pressure into mechanical motion to operate the master cylinder. Excessive brake air chamber push rod travel will result in damage to rubber cup in master cylinder. Insufficient travel will result in ineffective brakes.
  - b. Air Chamber Leakage Test.
- (1) With brakes applied, coat air chamber flange with soap and water solution and inspect for leaks.
- (2) If a leak is detected, tighten flange nuts evenly and sufficiently to stop leak.

- (3) No leakage is permissible.
- (4) Check non-pressure side of the air chamber by applying soap and water solution to holes min chamber body.
  - (5) If leaks exist, replace chamber.
  - c. Brake Air Chamber Push Rod Travel Test.
- (1) Connect air hose couplings to towing  $\boldsymbol{X}$  vehicle.
- (2) With brakes released, insert a small rod through one of two inspection holes in left side of brake air chamber (fig. 4-31). Mark rod, indicating depth of penetration when contacting push rod.

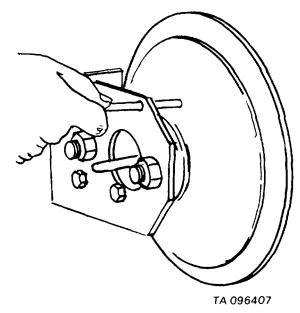


Figure 4-31. Testing brake air chamber push rod travel.

- (3) Apply brakes and again mark rod at surface of mounting bracket with rod in contact with push rod.
- (4) Withdraw rod and measure distance between marks. This indicates amount of piston travel.
- (5) Adjust brakes (paragraph 4-32b), if necessary, to permit a minimum of one-half inch to a maximum of seven-eighths of an inch travel.
  - d. Removal.

#### WARNING

Release air pressure from system by opening drain cock on air reservoir.

- (1) Disconnect air chamber-to-relay valve tube.
- (2) Remove two nuts and lock washers attaching air chamber to bracket.
- (3) Remove air chamber. Be careful not to damage rubber bellows.

#### e. Installation.

- (1) Position air chamber mounting studs through bracket. Secure with two lock washers and nuts.
  - (2) Connect air chamber-to-relay valve tube.
  - (3) Close drain cock on air reservoir.
- (4) Add hydraulic fluid to master cylinder (paragraph 4-38b).
- (5) Bleed and adjust brakes (paragraphs 4-32 and 4-33).

#### 4-40. Air Filter (fig. 4-32)

# NOTE Some semitrailers are not equipped with air filters.

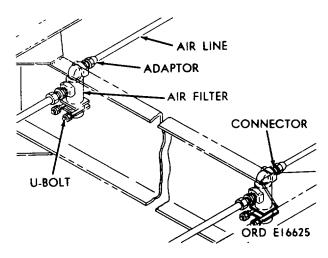


Figure 4-82. Air filter and air lines.

#### a. Service.

- (1) Disconnect intervehicular SERVICE and EMERGENCY brake air hose couplings and open air reservoir drain cock.
- (2) Remove drain plug from bottom of air filter to remove any water accumulation.
- (3) To remove internal parts, hold filter body with wrench, unscrew cover nut and remove gasket, spring, washer and element.
- (4) Clean all metal parts, including body, and rinse element with approved cleaning solvent (paragraph 3-3b).
- $\begin{tabular}{ll} (5) & If unserviceable components are detected, \\ replace filter assembly. \end{tabular}$
- (6) Assemble gasket, spring, washer and element on cover nut, insert in air filter body and tighten nut.

#### b. Removal.

(1) Disconnect intervehicular SERVICE and EMERGENCY brake air hose couplings and open air reservoir drain cock.

- (2) Disconnect two air tubes from air filter fittings.
  - (3) Remove two tube fittings from air filter.
- (4) Remove two nuts and washers from U-bolt and remove U-bolt and filter.

#### c. Installation.

- (1) Position air filter on crossmember with arrow on body of air filter pointing in direction of air flow.
- (2) Place U-bolt over air filter through holes in crossmember and secure with two nuts and washers.
  - (3) Connect air tubes to air filter fittings.
- (4) Connect intervehicular SERVICE and EMERGENCY brake air hose couplings and close air reservoir drain cock.

#### 4-41. Relay Valve (fig. 4-33)

a. Draining of Moisture. Remove drain plug from bottom of relay valve (fig. 4-33) to drain accumulated moisture. Replace plug after draining.

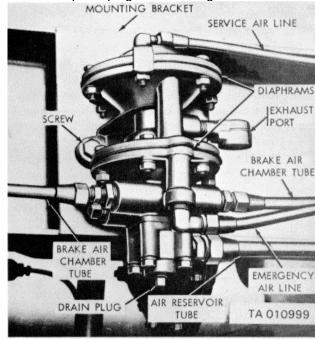


Figure 4-33. Relay valve.

#### b. Operating Test.

- (1) With brake air system of semitrailer connected and charged, check if brakes on wheels apply properly.
- (2) Release brakes and check whether air pressure is being exhausted promptly.
- (3) With semitrailer chassis brake system fully charged, close shutoff valve in emergency line tube on towing vehicle and disconnect

EMERGENCY brake air hose coupling. Check whether semitrailer brakes apply automatically.

- (4) Connect EMERGENCY brake air hose to couplings. Open shutoff valve on towing vehicle and check for an automatic release of trailer brakes.
  - c. Leakage Test.
- (1) With brake air system of semitrailer connected and charged, apply soap and water solution to cover flanges which hold diaphragms and to SERVICE brake air hose coupling. No leaks should be present.
- (2) If a leak is detected, tighten nuts on cover flange and tighten coupling as required.
- (3) Coat exhaust port with soap and water solution. Apply brakes and check for leaks.
- (4) Release brakes and apply soap and water solution to exhaust port and check for leaks.
- (5) With relay valve in EMERGENCY position (paragraph 4-41b(3) above), coat exhaust port with soap and water solution and check for leaks.
- (6) Leakage in tests (2), (3), and (4) above must not exceed 1 inch bubble in 2 seconds. If excess leakage is found, replace relay valve.
  - d. Removal.
    - (1) Open drain cock on air reservoir.
- (2) Disconnect emergency and service air tubes, air reservoir air tube and brake air chamber air tubes (fig. 4-33) from relay valve.
- (3) Remove three cap screws and lock washers securing relay valve to mounting bracket and remove valve.
  - e. Installation.
- (1) Position relay valve on mounting bracket (fig. 4-33) and secure with three screws and lock washers.
- (2) Connect air brake chamber tubes, air reservoir tubes, and service and emergency air lines to relay valve (fig. 4-33).
- (3) Make operating and leakage tests (b and c above).

#### 4-42. Air Reservoir

- a. Leakage Test.
- (1) With brake system charged, coat drain cock on air reservoir and outside of air reservoir with soap and water and check for air leaks. No leakage is permissible.

- (2) Tighten any leaking connection.
- (3) Inspect for damage or corrosion.
- (4) Replace reservoir if it leaks of if any damage or corrosion is found that would weaken reservoir.
  - b. Removal.
    - (1) Disconnect air hoses from towing vehicle.
    - (2) Open drain cock on air reservoir.
- (3) Disconnect air tube from relay valve to air reservoir.
- (4) Remove four nuts, lock washers, and cap screws securing air reservoir mounting clamps to chassis, and remove air chamber.
  - c. Installation.
- (1) Position air reservoir with drain cock on bottom.
- (2) Secure air reservoir and clamps with four cap screws, lock washers, and nuts to chassis.
- (3) Connect air tube from relay valve to reservoir.
  - (4) Make leakage test (a above).
  - d. Drain Cock.
- (1) Leakage test. With air brake fully charged, test for leaks at drain cock using soap solution. Also check for leaks through the body by coating outside of drain cock with soap solution. Leakage in excess of a 3-inch bubble in 3 seconds is not permissible. Leaks due to dirt can be corrected by cleaning and applying a coat of Artillery and Automotive Grease (GAA) on the key before assembly. Leaks due to a damaged key or body require replacement of the drain cock.
- (2) Removal. Open drain cock to release air from reservoir. Remove drain cock from air reservoir. Clean with approved cleaning solvent (paragraph 3-3b). Inspect for damage or wear. Replace defective drain cock.
- (3) Installation. When installing drain cock on reservoir, apply sealer tape to pipe thread. Be careful not to bend the tapered key or to damage the body of the drain cock.

#### 4-43. Air Half-Coupling (fig. 4-34)

- a. Removal.
- (1) Hold fitting stationary with a wrench and unscrew half-coupling.
- (2) Pry packing ring out of body. Discard packing ring.

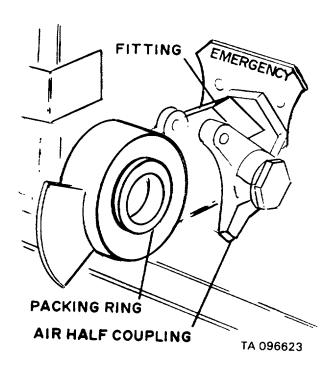


Figure 4-34. Air half-coupling.

#### b. Cleaning.

- (1) Clean mud and dirt from all exposed surfaces with water and a stiff brush.
- (2) Remove grease with approved cleaning solvent (paragraph 3-3b).

#### c. Inspection.

- (1) Inspect half-coupling body for damaged threads or cracks. Replace coupling if damaged.
  - (2) Check plunger for ease of operation.
  - (3) Inspect pin for tightness.
  - d. Installation of Packing Ring
    - (1) Clean coupling packing ring groove.
- (2) Partially collapse ring with fingers and insert one side of ring flange in groove.
- (3) Use blunt nose screwdriver to push ring into place. Face of ring must lie flat with no twist or bulge.
  - e. Installation of Half-Coupling.
- (1) Screw half-coupling over connector assembly externally threaded fitting. Tighten until an airtight seal is made.
- (2) Make sure coupling face is vertical and toward left side of semitrailer.

#### 4-44. Hose, Tubing and Fittings (Air and Hydraulic)

a. General. Hydraulic and air tubing and fittings are not ordinarily removed except for

replacement. Replace bent, kinked, or damaged lines and fittings Keep lines tightly attached. Any disconnection or replacement of hydraulic tubing or fitting will require bleeding of the system (paragraph 4-33).

- b. Serviceability Test.
- (1) Connect air brake couplings of intervehicular air hose.
  - (2) Apply brakes of towing vehicle.
- (3) Coat hose, couplings, and connectors of intervehicular, service and emergency brake air lines with soap solution.
- (4) Check all air lines and connections for leaks. No leakage is permitted.
- (5) Examine hydraulic lines, flexible line and fittings. Tighten fittings if leakage is found. No leakage is permissible.
  - c. Removal of Hydraulic Hose.
- (1) To remove hydraulic hose from wheel cylinder line connecting tee on front or rear axle, disconnect hose at support on tandem suspension assembly first.
  - (2) Unscrew tube fitting nut from hose.
- (3) Pry slotted clip off hose and pull hose through hole in support (fig. 4-38).
- (4) Unseat externally threaded end of hose in tee on axle assembly.
- (5) Unscrew the hose from fittings at both ends.
  - d. Installation of Hydraulic Hose.
- (1) Insert externally threaded end of hose in tee on axle and tighten until snug Do not cross thread.
- (2) Insert internally threaded end of hose through hole in support on suspension assembly.
- (3) Place slotted clip in groove on hose end and press downward until clip stops.
- (4) Insert tube in hose and screw tube fitting nut into hose until snug.
- (5) With brakes applied, wipe all connections clean and check for leaks (b para 4-44).
- e. Removal of Tube Fittings. Unscrew tube nut from tube fitting. Serviceable tube fittings and tube nuts may be reused but compression sleeves must be replaced.
  - f. Installation of Tube Fittings.
- (1) Cut tubing with hacksaw or tube cutter, making sure end is smooth and cut squarely with tubing wall. Do not crimp or partially close ends.
- (2) Ream and file tubing end to remove burrs. Blow out to remove cuttings or filings.
- (3) Place nut and new sleeve on tube and insert end of tube into recess in fitting body.
- (4) Hold tube at bottom of recess and tighten tube nut sufficiently to prevent leaks. Do not cross thread.

### Section IX. MAINTENANC OF WHEELS, HUBS AND BRAKIE DRUMS

#### 4-45. Wheels

Refer to paragraph 3-18 for removal and installation of wheel.

#### 4-46. Tires

Refer to TM 9-2610-200-20 for removal, servicing and installation of tires.

#### 4-47. Hub and Brake Drum

- a. General.
- (1) Hub. Each hub is mounted on the axle spindle on two tapered roller bearings.
- (2) Brake drum. Each brake drum is mounted on the hub. The brake drum is secured to the hub through a dished back front brake drive. A hub cap and hub cap gasket fastened to the outside of the hub exclude moisture and foreign matter.
- (3) Bearing. There are two opposed, adjustable, tapered roller bearings in each hub. The bearing cones with rollers are removable for cleaning, inspection, or replacement. The cups are a press fit in the hub.
- b. Removal of Hub and Brake Drum Assembly from Axle (fig. 40).
- (1) Remove screws (24) and lock washers (23) securing hub cap (4) and hub cap gasket (5) to hub (22).
- (2) Remove hub cap and gasket. Discard gasket if defective.
- (3) Using a screwdriver, lift bent-over locking lugs of key washer (7) to release outer bearing adjusting nut (6).
- (4) Using wheel bearing adjusting wrench NSN 5120-00-795-0059 (fig. 87), remove outer bearing adjusting nut (6).
  - (5) Slide off key washer (7).
- (6) Remove inner bearing adjusting nut (6) using wheel bearing adjusting wrench.
- (7) Rock hub and brake drum assembly slightly on axle spindle to loosen outer tapered roller bearing (8). Remove bearing.
- (8) Pull hub and brake drum assembly from axle.
- (9) Remove oil seal (11) and inner tapered roller bearing (8).
- (10) Do not remove oil seal sleeve spacer (18) unless damaged or badly worn.
  - c. Removal of Brake Drum from Hub (fig. 40).

#### NOTE

Use an arbor press or equivalent if it is necessary to remove and install ribbed neck bolts (19) or ribbed shoulder bolts (14).

- (1) Remove nuts (21), washers (20) and ribbed neck bolts (19) securing brake drum (12) to back front brake drive (13).
- (2) Remove back front brake drive (13) from hub assembly (22) by removing ribbed shoulder bolts (14) and separating back front brake drive from hub assembly.
  - d. Cleaning and Inspection.
- (1) Clean all parts thoroughly with approved cleaning solvent (paragraph 3-3b).
- (2) Inspect hub carefully for cracks or other indication of damage.
- (3) Inspect inside diameter of brake drum for out-of-round or excessive scoring.
- (4) Lightly oil rollers of tapered roller bearing and rotate by hand to test for tightness. Replace if there is evidence of scarring, pitting, or excessive wear.
- (5) Inspect encased oil seal to make sure contact material is intact and pliable.
- (6) Inspect threads on wheel studs in hub, in bearing adjusting nuts, and wheel cap nuts. Replace if threads are damaged.
  - e. Installation of Brake Drum on Hub (fig. 40).
- (1) Position hub (22) on back front brake drive (13) and secure with six ribbed shoulder bolts (14).
- (2) Position brake drum (12) on back front brake drive (13) and secure with 18 ribbed neck bolts (19), washers (20), and nuts (21).
- f. Installation of Hub and Brake Drum Assembly on Axle (fig. 40).
- (1) Replace oil seal sleeve spacer (18) if it has been removed.
- (2) Press or carefully tap oil seal (11) into place using a block of wood. Do not hammer directly on seal.
- (3) Pack inner tapered roller bearing (8) with grease (figs. 3-1 and 3-2) and install on axle spindle, adjacent to oil seal (11), with large outside diameter of bearing toward oil seal. Tap bearing gently, if necessary, with a brass drift or wood block.
- (4) Slide hub and drum assembly on axle spindle being careful not to damage seal (11).
- (5) Pack outer tapered roller bearing (8) with grease (figs. 3-1 and 3-2) and insert over spindle and into hub. Install inner adjusting nut (6), but do not tighten.

- (6) While turning hub slowly, tighten inner bearing adjusting nut, using wheel bearing adjusting nut wrench, until hub binds on spindle. Back off nut about one-eighth turn. Check adjustment by attempting to rock hub on spindle. If bearings are properly adjusted, movement of brake drum in relation to top edge of backing plate will scarcely be visible and brake drum will turn freely. If movement is excessive (more than one thirty-second of an inch), further adjustment is required.
- (7) Install nut locking key washer (7) on spindle.

#### NOTE

With a minimum of movement, adjust bearing adjusting nut (6) so that flats of nut will mate with locking lugs on key washer (7).

- (8) Install outer bearing adjusting nut (6) using wheel bearing adjusting nut wrench, drawing it up tightly against nut locking key washer (7). Do not disturb bearing adjustment.
- (9) Bend one or two locking lugs of key washer (7) over outer and inner adjusting nuts (6).
- (10) Recheck wheel bearing adjustment ((6) above).
- (11) Position hub cap (4) and gasket (5) and secure with three screws (24) and washers. (23).
  - (12) Adjust brakes (paragraph 4-32).

#### Section X. MAINTENANCE OF SPARE WHEEL CARRIER

#### 4-48. Spare Wheel Carrier (fig. 4-35)

a. General. The spare wheel carrier is mounted on the side of the frame of the semitrailer chassis. The carrier has a windlass to facilitate the raising and lowering of the spare wheel and tire.

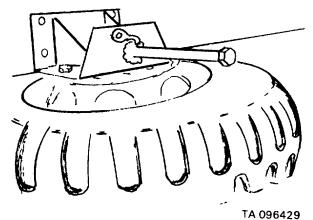


Figure 4-35. Spare wheel carrier.

- b. Removal (fig. 43).
- (1) Remove spare wheel and tire from carrier (paragraph 2-9a).
- (2) Remove four nuts (1), lock washers (2) and screws (3) securing carrier to mounting bracket.
  - (3) Remove carrier.
- c. Cleaning. Remove all surface dirt with water and stiff brush.
  - d. Inspection and Repair.
- (1) Check upper member (7) for cracks or breaks in welds. Straighten member and weld cracks.

- (2) Check ratchet wheel (5) for wear and alignment. Check weld of ratchet and nut on shaft for cracks or undue teeth wear. Reweld to shaft if necessary.
- (3) Replace ratchet wheel by removing cotter pin (6) and wire rope (11). Slide worn ratchet wheel out and new one in; then secure with cotter pin (6) and attach wire rope (11).
- (4) Check pawl (14) for wear and looseness of rivet (15) which attaches pawl to upper member. Replace pawl and/or replace rivet if necessary.
- (5) Check lower member (9) for dents or twisted parts.
- (6) Check U-bolts (10) for tightness. Check attaching nuts (13) for stripped threads or looseness and replace if necessary.
- (7) Check wire rope (11) for frayed wire or undue wear and replace if necessary (8) Repaint and repair damaged surfaces where paint has been removed.
  - e. Replacement of Wire Rope (fig. 43).
- (1) Release wire rope (11) from lower member (9) by removing four nuts (13) and lock washers (12) from Ubolts (10).
  - (2) Draw wire rope (11) from holes in shaft.
- (3) Make a wire rope with ferrules to prevent raveling, from 6 feet of three-sixteenths of an inch diameter, 7 by 19 aircraft type, preformed wire rope.
- (4) Thread through holes in ratchet wheel (5) until both ends are of equal length.
- (5) Cross ends of wire rope under lower member.
  - (6) Twist ends in loose, single knot across

lower member in such a manner that both ends may be clamped with both U-bolts (10).

- (7) Install lock washers (12) and nuts (13) on two U-bolts (10).
  - f. Installation (fig. 43).
- (1) Aline four holes in carrier upper member with holes in mounting bracket.
- (2) Secure carrier to mounting bracket with four screws (3), lock washers (2) and nuts (1).
- (3) Raise spare wheel and tire carrier (paragraph 2-9b).

### Section XI. MAINTENANCE OF LEVELING JACK AND LANDING GEAR

#### 4-49. Leveling Jack

#### a. General.

- (1) All semitrailers, except for XM738, XM739, and XM739E1, have two leveling jacks located at the rear of the semitrailer (fig. 2-7).
- (2) The XM738, XM739, and XM739E1 semitrailers have four leveling jacks, two at the rear and two at the center of the semitrailer.
- (3) The leveling jacks are used to level and stabilize the semitrailer.
  - b. Removal (fig. 46).
- (1) Remove two cotter pins (7), washers (8), and headed pins (9).
- (2) Release pin and chain assemblies (11) and remove braces (2 and 10).
- (3) Remove cotter pin (6) and headed pin (3) and washers (5).
- (4) Release pin and chain assembly (12) and remove leveling jack housing (4).
  - c. Inspection.
    - (1) Inspect housing for damage.
- (2) Check operation of jack screw. Lubricate as required (figs. 3-1 and 3-3). Replace leveling jack if iack screw is defective.
- (3) Inspect pin and chain assemblies for wear and damage. Replace defective parts.
  - d. Installation (fig. 46).
- (1) Position housing (4) under dolly rear crossmember and secure with headed pin (3), washer (5), cotter pin (6) and pin and chain assembly (12).
- (2) Position braces (2 and 10) and secure with two pin and chain assemblies (11), two headed pins (9), washers (8) and cotter pins (7).

### 4-50. Center Leveling Jack, XM738, XM739, XM739E1

- a. Removal (fig. 47).
- (1) Remove three cotter pins (2), washers (3), and straight headed pins (1) securing top of brace assembly (6) to chassis.
- (2) Release three pin and chain assemblies (13) securing bottoms of three brace assemblies to housing and remove three brace assemblies (6).

- (3) Remove cotter pin (8), washer (7) and straight headed pin (9) from top of housing assembly.
- (4) Release pin and chain assembly (4) and remove housing assembly (10).
- *b. Inspection.* Follow the procedure of paragraph 4-49c.
  - c. Installation (fig. 47).
- (1) Position housing assembly (10) under chassis and secure with straight headed pin (9), washer (7), and cotter pin (8). Install pin and chain assembly (4) on housing assembly.
- (2) Position three braces (6) and secure with three straight headed pins (1), washers (3), and cotter pins (2) at top of brace assemblies.
- (3) Install three pin and chain assemblies (13) at bottom of brace assemblies through housing.

## 4-51. Rigid-Type Landing Gear (all models except XM847, XM848, XM849, XM850, XM912, XM913)

#### a. General.

- (1) The XM574, XM574E1, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, and XM845 semitrailers incorporate a retractable two-speed, crank-type, non-rotating, adjustable landing gear with wheels (fig. 2-1).
- (2) The XM654 semitrailer incorporates a retractable, two-speed, crank-type, non-rotating, adjustable landing gear with a landing gear foot (fig. 2-2).
- (3) The landing gear is used to support the semitrailer when not coupled to a towing vehicle. It is also used to raise and lower the chassis when preparing to couple or uncouple the semitrailer from the towing vehicle.
  - b. Removal (fig 4-36).
- (1) Couple semitrailer to towing vehicle. raise landing gear leg to remove semitrailer weight from leg.

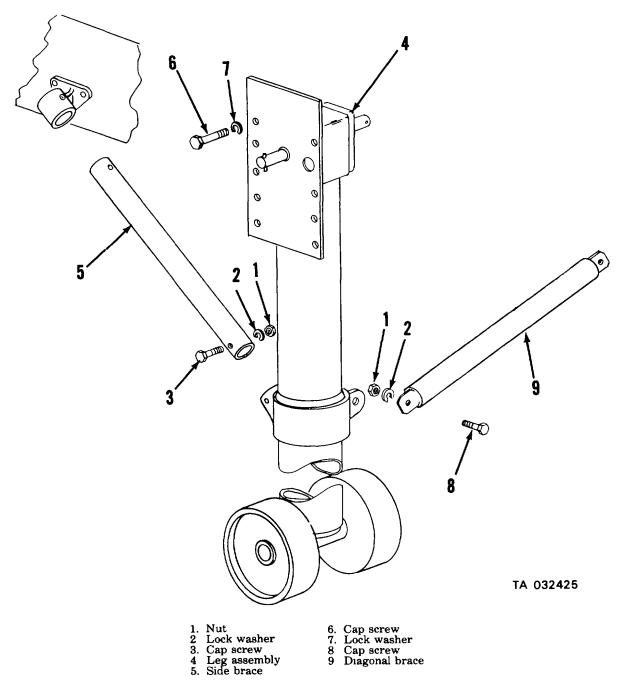


Figure 4-36. Removing rigid-type landing gear.

- (2) Remove two nuts (1), lock washers (2) and cap screws (3) securing side brace (5) to chassis and leg assembly (4). Remove brace.
- (3) Remove two nuts (1), lock washers (2) and cap screws (8) securing diagonal brace (9) to chassis and leg assembly (4). Remove brace.
- (4) Remove nine cap screws (6) and lock washers (7) securing landing gear leg mounting flange to chassis.
- (5) Withdraw landing gear leg (4) toward : enter of van until crankshaft clears chassis and remove leg from under van.
  - c. Cleaning and Inspection.
- (1) Clean mud and dirt from all exposed surfaces with water and a stiff brush.
- (2) Check operation of landing gear leg. Lubricate as required (figs. 3-1 and 3-3).

- d. Installation (fig. 4-36).
  - (1) Position landing gear leg assembly (4).
- (2) Secure leg assembly mounting flange to chassis with nine cap screws (6) and lock washers (7).
- (3) Position diagonal brace (9) and secure to chassis and leg assembly (4) with two cap screws (8), lock washers (2) and nuts (1).
- (4) Position side brace (5) and secure to chassis and leg assembly (4) with two cap screws (3), lock washers (2) and nuts (1).
- (5) Lower landing gear leg and remove towing vehicle.
  - e. Removal of Landing Gear Wheels (fig. 48).
- (1) Couple semitrailer to towing vehicle. Raise landing gear leg to remove semitrailer weight from leg.
- (2) Remove nut (28) and bolt (25) securing wheels (23) to axle (27). Remove wheels, axle and wheel caps (26).
  - f. Cleaning and Inspection.
- (1) Clean mud and dirt from exposed surfaces with water and a stiff brush.
- (2) Check for cracks, chipped edges or breaks. Replace defective parts.
- (3) Check axle for straightness. Replace if it cannot be straightened.
  - g. Installation of Landing Gear Wheels (fig. 48).

#### **NOTE**

### During installation, lubricate wheels and axle, using GAA Grease.

- (1) Position wheels (23) on axle (27). Place one wheel cap (26) against head of bolt (25). Insert bolt and cap through axle.
- (2) Insert other wheel cap (26) and nut (28) on outer end of bolt. Tighten nut.
- (3) Lower landing gear leg and remove semitrailer from towing vehicle.

### 4-52. Swing-Up Landing Gear, XM847, XM848, XM849, XM850, XM912, XM913

#### a. General.

- (1) The XM847, XM848, XM849, XM850, XM912, and XM913 semitrailers have two swing-up landing gears (fig. 2-3).
- (2) The two swing-up landing gears are separately operated two-speed landing gears, located at the drop, in the front of the semitrailer.
- (3) The landing gears swing into horizontal position for aircraft loading only.

#### b. Removal (fig. 49).

- (1) Couple semitrailer to towing vehicle, or block semitrailer for support.
- (2) Using crank assembly (1), retract landing gear leg (18) enough to clear the ground.
- (3) Unfasten four pin and chain assemblies (9, 12, and 17) and remove two braces (10 and 11).
- (4) Remove three nuts (7), lock washers (8) and cap screws (19) and remove landing gear.
  - c. Cleaning and Inspection.
- (1) Clean mud and dirt from all exposed surfaces with water and a stiff brush.
- (2) Check operation of landing gear leg. Lubricate as required (fig. 3-1). Replace landing gear if there is persistent binding.
  - d. Installation (fig 49).
- (1) Position landing gear and secure in place with three screws (19), lock washers (8), and nuts (7).
- (2) Position two braces (10 and 11) and secure with four pin and chain assemblies (9, 12, and 17).
- (3) Using crank assembly (1), lower landing gear leg to ground.
  - (4) Remove towing vehicle.

#### Section XII. MAINTENANCE OF SPRINGS AND TORQUE RODS

4-53. Springs, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824

- a. General.
- (1) The XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, and XM824 semitrailers are equipped with tandem suspension (fig. 4-37).

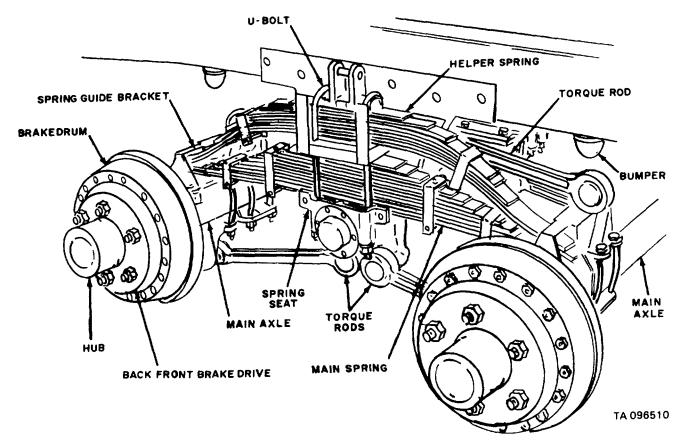


Figure 4-37. Tandem suspension system, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739E1, XM822, XM823, XM824

- (2) These semitrailers have a single point, twospring, tandem axle suspension which utilizes parallelogram type linkage.
- (3) Two helper springs are mounted directly over two main springs to provide added support under heavy loads.
- (4) The helper spring assembly consists of eight spring leaves. The main spring assembly consists of 12 spring leaves.
- (5) Each end of the main spring assembly rests on wear pads mounted on spring guide brackets attached to the axles.
- (6) The tandem suspension is the connecting member between the axles and the frame. It acts to absorb the shock loads imposed by the road.

#### b. Removal.

- (1) Support front of vehicle by extending landing gear support legs. Using the leveling jacks, raise rear of vehicle enough to relieve tires of ground contact. Support vehicle with support stands.
- (2) Remove wheel and tire assemblies (paragraph 3-18). Remove wheel chock from stowage support.
- (3) Place jack under axle and bracket assembly (fig. 4-38) and raise chassis just far enough to take weight of springs off front and rear axle spring brackets.

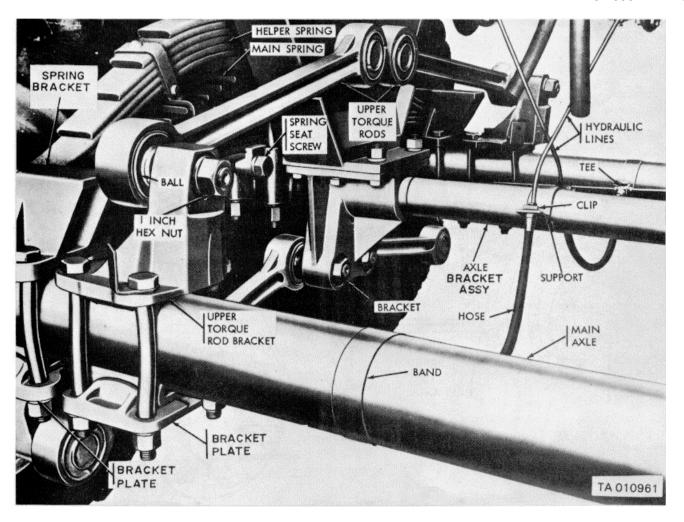


Figure 4-38. Tandem suspension system-underside view

(4) Remove four nuts and lock washers (fig. 4-39) from two U-bolts securing upper spring seat, helper spring assembly, spacer and wheel chock support and main spring assembly to lower spring seat. Remove U-bolts.

(5) Remove upper spring seat (fig. 4-39) complete with attached retaining chain and wheel chock.

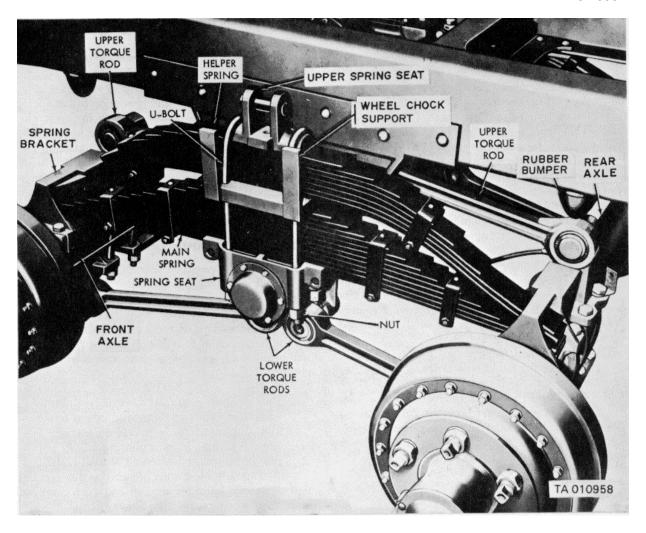


Figure 4-39. Tandem suspension system-installed view.

- (6) Loosen, but do not remove, two cap screws (fig. 4-38) which clamp lower spring bracket to main spring assembly.
- (7) Move main spring assembly, spacer and helper spring assembly (fig. 4-39) as a unit toward the rear of the semitrailer until the front end of the springs clears the front axle spring bracket
- (8) Remove helper spring assembly by lifting front end of spring up and forward far enough for rear end of spring to clear rear axle bracket.
- (9) Remove spacer and support by lifting up and away from top of main spring assembly.
- (10) Remove main spring assembly by the same procedure used for removal of helper spring assembly (step 8 above).
- c. Installation. Install spring assemblies and component parts in the reverse order of the pro-

cedure in paragraph a above. Torque U-bolt nuts to 225-280 lb-ft.

#### 4-54. Spring Seat

a. Removal (fig. 26)

#### NOTE

The key letters shown below in parentheses refer to figure E-26 except where otherwise indicated.

- (1) Support weight of semitrailer by jacking up axle and bracket assembly at end from which spring seat is to be removed. (fig 4-39).
- (2) Remove four nuts and lock washers from two U-bolts and remove U-bolts (fig. 4-39). Lift off spring seat on top of spring assembly (fig. 4-39).

- (3) Loosen two bolts (13) from inner face of spring seat (15). Raise ends of main axles until bottom of spring assembly and center bolt clear top of spring seat.
- (4) Remove six bolts (22) and lock washers (21) from access cover (20). Remove access cover and gasket (19). Discard gasket if defective.
- (5) Remove adjusting nuts (17) and key washer (18) using wrench NSN 5120-00-795-0059. Remove outer tapered bushing (11).
- (6) Remove spring seat assembly (15) by using slight rocking motion (left and right) while carefully sliding seat out and away from axle and bracket assembly (1). It is possible inner bearing cup (12) will remain in spring seat.
- (7) Remove inner tapered bushing (11), encased seal (9), packing retainer (8), flat washers (6 and 7) from axle and bracket assembly (1). Discard seals.
- b. Cleaning. Clean mud and dirt from all exposed parts with water and stiff brush. Remove grease from spring seat parts with approved cleaning solvent (paragraph 3-3b).
  - c. Inspection and Repair
- (1) Inspect for broken or cracked parts. Replace broken, cracked, or defective parts.
- (2) Check bearing seats and oil seal surface on bracket for roughness or damage. File or grind smooth high spots, burrs, or roughness. Check that parts meet the requirements of repair standards listed in table 6-1 and figure 6-1.
- (3) Replace any part that does not meet these standards.
  - d. Installation (fig. 26).
- (1) Prior to installation of spring seat assembly, saturate encased seal (9) with lubricating oil (fig. 3-1). Pack tapered bushings (11) with automotive grease (fig. 3-1).
- (2) Install flat washers (6 and 7), encased seal (9) and inner tapered bushing (11) on axle and bracket assembly (1).
- (3) Install inner bearing cup (12) in spring seat (15) and slide seat on axle and bracket assembly (1) against flat washer (7) and seal (9) and over flat washer (6).
- (4) Install outer bearing cup (12), outer tapered bushing (11) and inner adjusting nut (17). Using wrench NSN 5120-00-795-0059, tighten inner adjusting nut (17) to a torque of 70 lb-ft. Back off approximately one-fourth of a turn. Spring seat (15) should turn freely without lateral movement.
- (5) Install key washer (18) and secure with outer adjusting nut (17), tightening to a torque of 150 lb-ft. Peen outer edges of lock nut over no less than two flats of each adjusting nut.

- (6) Install access cover (20) with new cover gasket (19) and secure with six bolts (22) and lock washers (21).
- (7) Lower main axles until spring assembly seats in top of spring seat. Spring assembly center bolt must fit into recess in top of spring seat.
- (8) Position upper spring seat on top of spring assembly. Install two U-bolts over upper spring seat and down through four holes in spring seat assembly. Secure U-bolts with four nuts and lock washers (fig. 4-39). Torque nuts to 255-280 lb.-ft.
- (9) Tighten two bolts (13) on inner face of spring seat (15) with a torque of 280-365 lb-ft.
- (10) Remove jack supporting axle and bracket assembly.

#### 4-55. Torque Rods (fig. 4-38)

- a. Lower Torque Rod Removal.
- (1) Place jack under axle and bracket assembly. Raise axle enough to relieve spring load from front and rear main axle brackets.
- (2) Remove eight nuts and lock washers securing ball ends of four lower torque rods to axle and bracket assembly and main axle lower torque rod brackets.

#### NOTE

The rubber-mounted torque rod ball ends allow rods to be moved out of normal alignment for removal or installation. Extreme care must be taken to prevent damage to thread on ball ends.

- (3) Tap threaded ends of each torque rod ball end with soft hammer or soft bar to loosen ball ends from their respective brackets.
- (4) Remove lower torque rods from their respective mountings by prying rod ends out and away from axle bracket assembly and prying in and away from main axle lower torque rod brackets.
  - b. Lower Torque Rod Installation.
- (1) Make sure ball ends and mounting holes in brackets are free of dirt. Follow instructions of Note (para 4-55a).
- (2) Install lower torque rods in the reverse order of the procedure in paragraph 4-55a.
  - c. Upper Torque Rod Removal.
    - (1) Raise and support vehicle (para 4-55a(1).
- (2) Remove left wheel and tire assemblies (paragraph 3-18). Remove wheel chock from stowage support.
- (3) Remove left spring assemblies (steps (3) through (10), paragraph 4-53b).
- (4) Raise front and rear axles to relieve weight of each axle from upper torque rods. Provide a secure means of support to hold this position.

- (5) Remove four nuts and lock washers securing two upper torque rods to chassis suspension bracket and upper torque rod brackets on front and rear main axles (fig. 4-38).
  - (6) Loose torque rod ball ends (para 4-55a(3).
- (7) Remove eight nuts, lock washers and bolts securing upper torque rod brackets to front and rear axles.
- (8) Remove torque rod from frame suspension bracket by prying rod end in and away from bracket.
- (9) Remove upper torque rod brackets and torque rods by lifting up and away from locating pins on axles.

- (10) Remove torque rods from brackets by prying rod ends away from brackets.
  - d. Upper Torque Rod Installation
- (1) Make sure ball ends and mounting holes in brackets are free of dirt. Follow instructions of Note (para 4-55a).
- (2) Install upper torque rods in the reverse order of the procedure In paragraph 4-55c.
- (3) Torque each torque rod nut (para 4-55c(5) to 570-630 lb-ft.
- (4) Torque each upper torque rod bracket nut (para 4-55c(7)) to 225-280 lb-ft.

#### Section XIII. MAINTENANCE OF AIR SUSPENSION SYSTEM

- 4-56. Air Suspension System, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913
  - a. General.
- (1) The XM844, XM845, XM847, XM848, XM849, XM850, XM912, and XM913 semitrailers

are equipped with air ride suspension (fig. 4-40).

(2) The air suspension system uses pressurized air drawn from the conventional towing vehicle air system to fill the air springs. Automatic valve control regulates the air pressure required for varying loads and maintains a constant vehicle ride height at all times.

BRAKE PROTECTION VALVE AND FILTER MAINTAINS SAFE AIR BRAKE PRESURE AND CLEANS AIR. SET TO 65 P.S.I. AT FACTORY

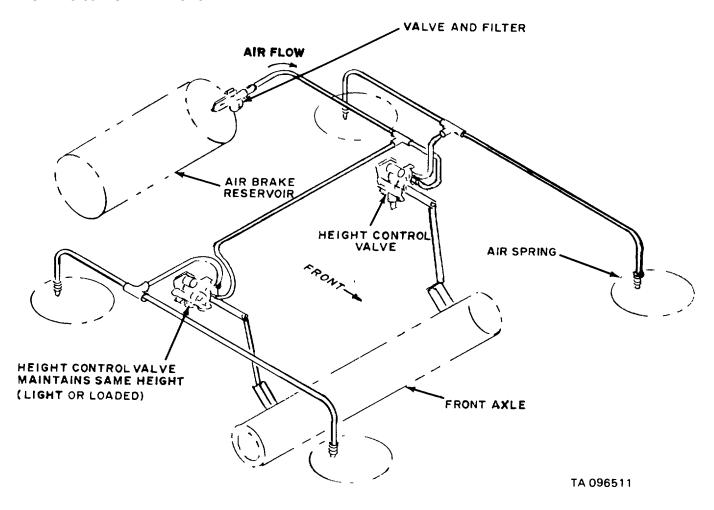
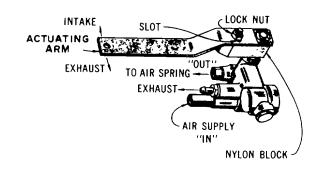


Figure 4-40. Air suspensions system, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913.

- (3) The regulated air control provides an cushioned ride through varying load conditions. A valve and filter assembly is installed in the line at the air brake reservoir. These components maintain safe air brake pressure and clean air.
- (4) Sage air brake pressure of 65 psi is automatically maintained by brake protection valve in the event of air loss due to a failure in the air system.
- (5) The air suspension is designed to operate at a specific ride height. Height control valves (fig. 4-41) are used to maintain the proper axle-to-frame relationship necessary to regulate ride height. The valves automatically regulate air to or from air springs.



TA 096446

Figure 4-41. Height control valve.

- (6) A right and left valve is used in the suspension system. Both valves are linked to the rear axle.
- (7) The height control valves operate each side independently, thus maintaining a side-to-side semitrailer level condition at all times.
- (8) The air suspension system is designed to operate at a set ride height. The two height control valves are used to maintain the proper axle-to-frame relationship necessary to regulate ride height.
- (9) Loss of air pressure or air spring deflection by off center loading causes actuating arm to move up.
- (10) Up movement of actuating arm opens the intake valve and allows supply air to pass through to the air spring serviced by that valve.
- (11) Down movement of actuating arm opens the exhaust valve, allowing excess air pressure to vent to the atmosphere.
- (12) A check valve in the intake fitting prevents pressure loss if high pressure air supply is interrupted.
- (13) The height control valve incorporates a 5second time delay to prevent unnecessary actuation while the vehicle is negotiating uneven terrain at operating speeds.
- (14) A 3/8-inch dead zone is built into the valve action to eliminate a valve hunting action.
- (15) Should an air spring fail, disconnect the height control valve linkage on the inoperable side. Air to the springs on that side will be shut off, allowing air pressure to build up in the system and in the air springs on the opposite side.
- (16) Rubber bumpers inside the air springs carry the loaded trailer should all springs go flat.
- (17) Stability through the axle connections allows operation of a loaded trailer with pressurized springs on one side of trailer only.
  - b. Adjustment of Air Suspension System.
- (1) Adjust height control valve for proper dimensions between axle centerline and underside of frame by setting one valve at a time (fig. 4-42).

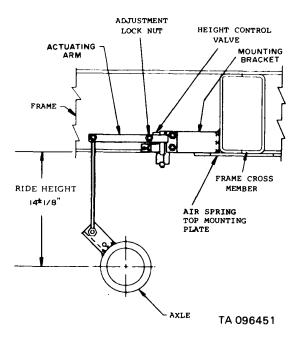


Figure 4-42. . Ride height dimension adjustment, air suspension.

- (2) Position semitrailer on level ground, coupled to towing vehicle. Build up air pressure to 65 psi and maintain this pressure while adjusting height control valve.
- (3) Disconnect linkage from both height control valve actuating arms (fig. 4-42).
- (4) Move both actuating arms to a vertical down position and hold until all air is exhausted from air springs.
- (5) Connect one valve actuating arm only to its respective linkage. Air spring controlled by this valve will inflate until the valve shuts off inlet air pressure.
- (6) With the one set of air springs fully inflated, measure distance from centerline of axle to underside of frame (fig. 4-42).

#### NOTE

# It will take 2 to 6 seconds after adjustment of nylon block before air starts to flow through valve. This is caused by the built-in time delay.

- (7) Adjust valve by loosening adjustment lock nut and carefully moving nylon block (fig. 4-41) until dimension of 14 inches, plus or minus one-eighth of an inch, is reached. Tighten adjustment lock nut.
- (8) Disconnect linkage and let springs deflate about half way. Reconnect linkage and allow springs to inflate. When valve shuts off, check height dimension again.
- (9) Repeat steps (6), (7), and (8) above until proper 14 inches, plus or minus one-eighth of an inch, dimension is reached.
- (10) Disconnect the valve adjusted in previous steps and move actuating arm to a vertical down position to deflate springs.
- (11) Repeat steps (5) through (10) above with the opposite height control valve.
- (12) Connect both actuating arms with their respective linkage. When springs are fully inflated and valves shut off, check height dimension. Both valves should be synchronized.

### 4-57. Replacement of Air Suspension System Components

- a. Removal of Rubber Bushing and Torsion Bar (fig. 51).
- (1) Remove weight from suspension by blocking up semitrailer and jacking up axle. Remove front or rear wheels as applicable.
- (2) Disconnect linkage from height control valves and depress actuating arms to exhaust air pressure from air springs.
- (3) Remove nuts (28), flat washers (27) and cap screws (5) and loosen frame bracket nuts (25). Drive torsion bar (32) completely out of assembly using care not to mushroom bar end.
- (4) Carefully let both equalizing arms (16) down away from frame brackets. Push out bushing (31).
- b. Installation of Rubber Bushing and Torsion Bar (fig. 51).
- (1) Slip in new bushing (31) and rotate, as near as possible, to operating position. Place spacers (24) on ends of bushing and move equalizing arms (16) back to their proper positions relative to frame brackets (29). Line up bushing square holes with arm square holes to receive torsion bar.
- (2) Insert torsion bar (32) through arm ends and bushings. Make sure that notch in bar is alined to receive offset cap screw (5).

- (3) Jack up axle to proper design height from horizontal axle centerline to underside of frame (14 inches plus or minus one-eighth of an inch). Tighten nuts (25) with axle in proper height position to a torque of 150 lb-ft.
- (4) Install cap screws (5), flat washers (27) and nuts (28) and tighten to a torque of 200 lb-ft. (table 4-3).

Table 4-3. Torque Limits

Nut size	Torque limits					
	(lb-ft)					
Air Ride Suspension and Air						
Mounted Kingpin						
1/2-inch	25 lb-ft					
5/8-inch	140 lb-ft					
3/4-inch	200 lb-ft					
3/4-inch (air spring only)	20 lb-ft					
7/8-inch	300 lb-ft					
1-inch	450 lb-ft					
1-1/8 inch	700 lb-ft					
1-1/4 inch	900 lb-ft					
Piston nut inside air spring	50 lb-ft					

- (5) Reconnect linkage to height control valve.
- (6) Install wheels and remove blocking and jacking equipment.
  - c. Replacement of Torsion Bar Only (fig. 51).
- (1) Block up semitrailer to remove all weight from suspension.
- (2) Remove front or rear wheels as applicable.
- (3) Grind a one-fourth inch by 45 degree chamfer on one end of new torsion bar.
- (4) Remove outer nuts (28), flat washers (27), and cap screws (5). Loosen inner nuts (28).
- (5) Place chamfered end of new torsion bar against end of old torsion bar (32) and drive out old torsion bar. Make sure notch in new torsion bar is positioned to receive cap screw in outer torsion bar clamp of left hand equalizing arm (16).
- (6) Install cap screws (5), flat washers (27), and nuts (28); tighten all nuts to a torque of 150 lb-ft.
- (7) Install wheels and remove blocking and jacking equipment.
  - d. Removal of Air Spring (fig. 51).
- (1) Block up semitrailer to remove all weight from suspension.
- (2) Disconnect linkage from height control valve supplying faulty air spring and exhaust pressurized air by moving actuating arm down.
- (3) Disconnect air line (8) from top of air spring (15). Remove upper mounting nuts (11 and 12), lock washers (10 and 13), and flat washer (9). Remove lower mounting cap screws (17) and lock washers (13).

- (4) Depress air spring to retract upper mounting studs from frame and remove air spring with lower piston attached.
- (5) Turn air spring assembly upside down and remove 1/2-inch nuts (fig. 4-43) from inside of piston. Tap down on clamp plate studs until air cell separates from piston.

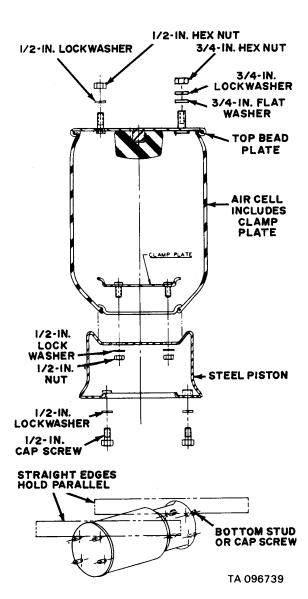


Figure 4-43. Air spring replacement.

- e. Installation of Air Spring (fig. 51).
- (1) Position new air cell, right side up, over piston. Position clamp plate so that studs hang down through opening in air cell.
- (2) Carefully set air cell down on piston so that studs go through holes in piston.

- (3) Start the 1/2-inch nuts and lock washers on studs inside piston (fig. 4-43). Do not tighten.
- (4) Rotate piston so that mounting studs in bottom of piston are parallel with mounting studs in top bead plate.
- (5) Start cap screws in bottom of piston (fig. 4-43). Hold two straight edges against top studs and bottom cap screws as shown in fig. 4-43. Adjust piston studs until straight edges aline.
- (6) Tighten nuts inside piston to a torque of 50 lb-ft.
- (7) Recheck for proper alignment of top and bottom studs.
- (8) Pressure test at 40 psi and check for leaks with soap solution.
- (9) Place air spring assembly (15, fig. 51) on pad of equalizing arm and install lower mounting cap screws (17) and lock washers (13). Tighten to a torque of 25 lb-ft. maximum.
- (10) Depress air spring. Guide upper studs into air spring mounting plate (14). Secure with nuts (11 and 12), lock washers (10 and 13), and flat washer (9). Tighten to a torque of 25 lb-ft. maximum.
- (11) Reconnect height control valve linkage and air line (8).
  - (12) Recheck for leaks at operating pressure.
  - (13) Remove blocking and jacking equipment.
- f. Removal of Axle Connection Components (fig. 51).
- (1) Remove all weight from suspension by blocking up semitrailer and jacking up axle.
- (2) Exhaust all air from air springs by disconnecting linkage to both height control valves and rotating actuating arms down.
- (3) Remove axle cap nuts (23), flat washers (22), and bolts (6) and (7) and remove axle connection components (18 through 21).
- g. Installation of Axle Connection Components (fig. 51).

#### **CAUTION**

The axle connection cap (21) must be drawn down so that a metal to metal contact exists between the axle connection cap and its mating part (16). Tighten nuts to a torque of 300 lb-ft.

- (1) Position axle connection components (18 through 21). Make sure that groove in axle pad (20) matches bottom tongue on axle adapter (19), and that metal tongues on axle connection cap (21) fit into respective slots provided in mating parts.
- (2) Secure axle connection components (18 through 21) with bolts (6) and (7), flat washers (22) and nuts (23).
- (3) Reconnect linkage to height control valves.

- (4) Remove jacking and blocking equipment.
- h. Removal of Shock Absorber (fig 51).
- (1) Apply 65 psi air pressure to suspension or block up semitrailer to design height of 14 inches as measured from centerline of dolly axle to underside of frame.
- (2) Remove nuts (4) and flat washers (3) securing top and bottom shock absorber mounting eyes to shock mount studs. Remove shock absorber (2).
  - i. Installation of Shock Absorber (fig. 51)
- (1) Position eyes of new shock absorber (2), large end up, on ends of mounting studs and lightly tap shock absorber onto studs using hammer and wood block.
- (2) Replace nuts (4) and flat washers (3). Tighten to a torque of 150 lb-ft.
- (3) Remove blocking and jacking equipment, if used.

- j. Removal of Height Control Valve (fig. 52).
- (1) Remove nut (6) and screw (8) securing lower end of adjusting rod (7).
- (2) Remove nut (6) and screw (8) securing upper end of adjusting rod (7) to height control valve (9). Remove adjusting rod.
- (3) Remove two nuts (4), lock washers (3), and , screws (10) securing height control valve (9) Remove height control valve.
  - k. Installation of Height Control Valve (fig. 52).
- (1) Position height control valve (9) and secure with two screws (10), lock washers (3), and nuts (4).
- (2) Position upper end of adjusting rod (7) on height control valve and secure with screw (8) and nut (6).
- (3) Position lower end of adjusting rod (7) and secure with screw (8) and nut (6).

### Section XIV. MAINTENANCE OF AIR MOUNTED FIFTH WHEEL KINGPIN AND RESILIENT KINGPIN

4-58. Air Mounted Fifth Wheel Kingpin, XM847, XM848, XM849, XM850, XM912, XM913

a. General

(1) The XM847, XM848, XM849, XM850, XM912, and XM913 semitrailers are equipped with an air mounted fifth wheel kingpin (fig. 4-44).

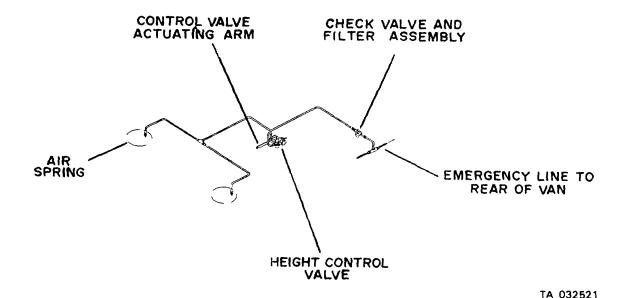


Figure 4-44. Air mounted fifth wheel kingpin system.

- (2) Pressurized air from the towing vehicle air system is used to supply the two air springs used with the air mounted fifth wheel kingpin. The preset height control valve regulates air flow to the spring m proportion to the load until the proper design height is obtained.
- (3) When the semitrailer is uncoupled from the towing vehicle, the air springs automatically exhaust air until the bolster plate comes to rest on rubber bumpers inside the springs. A valve and filter assembly maintains safe air brake pressure and clean air and is set at 65 psi.
- (4) A smooth ride is obtained through the use of a height control valve (fig. 4-41) which meters the amount of pressurized air required to compensate for varying trailer loads. Air is metered through the valve any time the trailer air system is coupled to the charged air system of the towing vehicle. The actuating arm detects movement above or below design height and causes the valve to compensate by exhausting or supplying air as required.
- (5) Loss of air pressure or air spring deflection by off center load will cause the actuating arm to move up. Up movement opens the intake valve and allows supply air to pass through to the air springs. When the arm moves down, indicating excessive air pressure, the exhaust valve opens, allowing excess pressure to vent to the atmosphere.
- (6) A safety check valve in the intake fitting prevents pressure loss if supply pressure is lost. A 5-second time delay is incorporated in the valve to prevent unnecessary actuation while negotiating uneven terrain. Valve hunting action is eliminated by 3/8-inch dead zone in the valve action.
  - b. Adjustment of Height Control Valve.
- (1) Design dimension between bottom of bolster and upper face of fifth wheel plate is 8 inches when fifth wheel plate is in position parallel to the semitrailer frame (fig. 4-45). The design height can vary plus or minus one-eighth of an inch with-out adverse effect on operation.

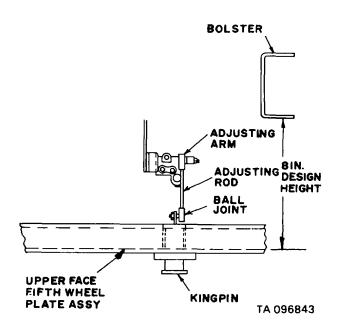


Figure 4-45. Ride height dimension adjustment, air mounted kingpin

- (2) Loosen height control valve adjusting rod and raise the adjusting arm when height is too low. Tighten adjusting rod.
- (3) Loosen height control valve adjusting rod and lower the adjusting arm when height is too high. Tighten adjusting rod.

### 4-59. Replacement of Air Mounted Kingpin Components

- a. Removal of Kingpin Air Spring (fig. 44).
- (1) Extend landing gear and uncouple semitrailer from towing vehicle.
- (2) Disconnect linkage from height control valve and depress actuating arm to exhaust air pressure from air springs.
- (3) Place fork lift or other suitable lifting or blocking device under fifth wheel plate to carry weight of assembly.
- (4) Disconnect air line at top of air spring (12) and remove upper mounting screws (5) and lock washers (6).
- (5) Remove screws (13) attaching air springs to fifth wheel plate (11).

#### NOTE

It may be necessary to disconnect shock absorbers (10) before accomplishing the following step. Refer to procedures in paragraph 4-59c.

- (6) Lower fifth wheel plate sufficiently to allow removal of air spring (12). Pull air spring forward to clear fifth wheel plate and remove air spring.
  - b. Installation of Kingpin Air Spring (fig. 44)
- (1) Slide replacement air spring into position on fifth wheel plate, aline bottom mounting holes, insert screws (13) and tighten.
- (2) Raise fifth wheel plate (11) to match air spring top mounting holes with holes in channels in van body sub-base. Install screws (5) and lock washers (6) and tighten. (refer to table 4-3).
- (3) Connect air line to inlet at top of air spring (12). Connect valve linkage
- (4) Couple semitrailer to tractor, build up air pressure, and check for air leaks with soap solution.
  - c. Removal of Shock Absorber (fig. 44)
- (1) Apply 65 psi air pressure to suspension, or block up semitrailer to design height of 8 inches, plus or minus one-eighth of an inch between upper face of fifth wheel plate and bottom of bolster with fifth wheel plate parallel to chassis frame (fig. 4-45)
- (2) Remove nuts (8) and screws (9) securing top and bottom shock absorber fittings to mountings.
  - (3) Remove shock absorber (10).
  - d. Installation of Shock Absorber (fig. 44)
- (1) Position shock absorber (10) with large end up
- (2) Install screws (9) and nuts (8) and tighten (refer to table 4-3).
  - (3) Remove blocking equipment, if used.
- e. Removal of Fifth Wheel Plate Hinge Components (fig 44).
- (1) Extend landing gear legs and uncouple tractor from semitrailer.
- (2) Disconnect linkage from height control valve and depress actuating arm to exhaust air pressure from air springs.
- (3) Place suitable lifting or blocking device under fifth wheel plate to carry weight of assembly when removed.
- (4) Disconnect air line at top of air spring (12) and remove upper mounting screws (5) and lock washers (6A)A.

- (5) Disconnect shock absorbers (para 4-59c).
- (6) Remove nuts (7) from each end of hinge rod bolt (1) and remove rod bolt.
- (7) Lower plate assembly (11) from semitrailer.
- (8) Drive rubber bushing (15) from hinge fitting.
- f. Installation of Fifth Wheel Plate Hinge Components (fig 44)

#### NOTE

#### Install rubber bushing assembly using new inner sleeve. Sleeve must be driven into bushing before bushing installation.

- (1) Mate fifth wheel plate (11) to semitrailer hinge fittings and insert rod bolts (1). Secure with nuts (7).
  - (2) Connect shock absorbers (10).
  - (3) Connect air line at top of air spring.
- (4) Raise fifth wheel plate to mate air spring top mounting holes with matching holes in channels in van body sub-base. Install screws (5) and lock washers (6).
  - (5) Connect control valve linkage.
- (6) Couple semitrailer to tractor, build up air pressure, and check for air leaks with soap solution.

#### 4-60. Resilient Kingpin, XM844, XM845

a. General.

The resilient kingpin incorporated in the XM844 and XM845 semitrailers provides a 360 degree cushion laterally and longitudinally.

- b. Removal (fig 45)
- (1) Extend landing gear and uncouple tractor from semitrailer.
- (2) Remove weight from fifth wheel plate assembly (1) by use of a fork lift.
- (3) Remove 36 cap screws (6) and lock washers (5) and lower fifth wheel plate assembly (1).
  - c. Installation (fig. 45)
- (1) Position fifth wheel plate assembly (1) and secure with 36 cap screws (6), and lock washers (5).
  - (2) Remove support from semitrailer.

### Section XV. MAINTENANCE OF VAN BODY AND ASSOCIATED PARTS

#### 4-61. Rear Bumper (fig. 66)

- a. Removal. Working under inside corner of chassis, remove four screws (4) and lock washers (5) securing bumper (6) to rear corner post and chassis rear crossmember.
- b. Installation. Position bumper (6) and secure with four screws (4) and lock washers (5).

#### 4-62. Splash Guard

- a. Removal (fig. 65).
- (1) Remove three nuts (4), lock washers (5), and screws (9) on XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822 (serial number S2669), XM823, and XM824 semitrailers securing bracket (6) to dolly rear crossmember. Remove bracket and splash guard (7) as a unit.
- (2) Remove four nuts (4), lock washers (5), and screws (9) on XM822 (after serial number S2669), XM844, XM845, XM847, XM848, XM849, XM850, XM912, and XM913 semitrailers securing bracket (6) to dolly rear crossmember. Remove bracket and splash guard (7) as a unit.
- (3) On all semitrailers, remove four nuts (4), lock washers (5), and screws (9) securing support plate (8) and splash guard (7) to bracket (6).
  - b. Installation (fig. 65)
- (1) Position splash guard (7) and spacer plate (8) on bracket (6) and secure with four screws (9), lock washers (5) and nuts (4).
- (2) Position bracket with attached splash guard and support plate on dolly rear cross-member. Secure unit with three or four screws (9) (para 4-62 a(1) or 4-62 a(2), lock washers (5), and nuts 84)

#### 4-63. Pintle Assembly

- a. Removal (fig. 42).
- (1) Remove cotter pin (3) and slotted nut (2). Remove pintle assembly (1) from dolly rear crossmember.
- (2) Remove cotter pin (15) and S-hook (14) and remove chain (13).
  - b. Inspection
- (1) Inspect pintle assembly for ease of operation.
  - (2) Check for cracks or damaged parts.
- (3) Replace worn or damaged pintle assembly.
- (4) Lubricate according to the lubrication order (fig. 3-1 and 3-2).

#### c. Installation (fig 42)

- (1) Attach chain (13) to pintle body with Shook (14) and cotter pin (15).
- (2) Position pintle assembly (1) in dolly rear crossmember. Install slotted nut (2) on pintle shank. Tighten nut to provide a snug fit, but loose enough to allow pintle assembly to turn. Install cotter pin (3) to secure nut (2).

#### 4-64. Doors (figs. 53 through 64)

#### a. Removal.

- (1) Some doors have a door stop and chain at the top of the door. To remove door stop and chain, remove four screws (3, fig. 58) and washers (4, fig. 58) securing door stop and chain to the door. Remove door stop before proceeding with the following steps.
- (2)To remove doors attached with butt hinges, remove setscrew (36, fig 58) securing hinge pin (34, fig. 58). Drive pin out. On some models, remove nut (58, fig 61), washer (54, fig. 61) and screw (56, fig. 61).
- (3) To remove doors attached with piano hinges, open door and remove screws from portion of piano hinge that is attached to door jamb, leaving hinge attached to door. Remove door.
  - b. Cleaning.
- (1) Use steam or water and stiff brush to remove dirt.
- (2) Use cleaning solvent (paragraph 3-3b) to remove grease and oil.
  - c. Inspection and Repair.
    - (1) Inspect for dents and cracks.
    - (2) Visually check all hardware for defects.
    - (3) Straighten bent metal parts if feasible.

Weld cracked or fractured items. Before welding, remove or cover adjacent wood or other flammable material to prevent damage.

(4) Replace parts damaged beyond repair. d Installation Install door in the reverse order of the removal procedure.

#### 4-65. Hinges

- a. Removal.
  - (1) Remove door (paragraph 4-64a above).
- (2) On the rear doors on the XM680 and XM680E 1, refer to figure 61 and remove nuts (53), washers (54) and cap screws (56) securing door. Remove door. Remove nuts (50), washers (49), and bolt (57) securing hinge to van body. Remove hinge (55). The left side doors on the XM680 and XM680E1 are similar. Refer to figure 57.

- (3) On the single front door on the XM822 and the double front doors on the XM680 and XM680E1 semitrailers incorporating piano hinges, refer to figures 62 and 63. Remove screws (21, fig. 62, or 40, fig. 63) securing hinge (22, fig. 62 or 39, fig. 63) to door. Remove door. Remove screws securing hinge to van body and remove hinge.
- (4) On most other doors, refer to figure 55. Remove pin (5) securing inner door handle (6) and remove handle. Remove screws (1) securing lock guard (2) and remove lock guard. Remove screws (7) and washers (8) securing lock assembly (15). Remove lock assembly. Remove screws securing plywood panel on door, and remove panel. Remove nuts (19), washers (20) and square neck bolts (21) securing hinge (22) to door. Remove door. Remove nuts (19), washers (20), and bolts (27) securing hinge to van body. Remove hinge.
- *b. Installation.* Install hinge in the reverse procedure in para 4-64 a for the particular configuration.

#### 4-66. Door Locks

- a. Removal (fig. 55).
- (1) Drive out pin (5) securing inner door handle (6) and remove handle.
- (2) Remove screws (1) securing lock guard (2) to door and remove guard.
- (3) Remove screws (7) and lock washers (8) securing center lock assembly (15) and upper and lower flush bolts (14) to door, and remove center lock assembly locking rods and flush bolts (14) as a unit.
  - b. Inspection and Repair (fig. 55).
- (1) Inspect parts for cracks, bends, excessive wear and deterioration. Replace defective parts.
- (2) If necessary, remove screw (10) and lock washer (11) securing locking rod (12 or 13) to flush bolt (14), and straighten locking rod to assure proper alignment in upper and lower flush bolts.
- (3) Check lock for ease of operation. Lubricate as required.
- (4) Straighten bends or dents in flush bolts that may cause binding.
  - (5) Clean and paint if necessary.
- c. Installation. Install lock in reverse order of the removal procedure.

#### 4-67. Clutch Assembly

- a. Removal (fig. 60).
- (1) Remove inner door handle (paragraph 4-66a).
- (2) Remove inner handle clutch spring (19) and clutch spring retainer (20).

- (3) Remove pin (8) securing inner clutch (7), and remove clutch.
- (4) In the event that the outer clutch must be replaced, remove three rivets (1) securing outer door handle (2), and remove handle and gasket (3).
- (5) Remove pin (4) securing other clutch (5), and remove clutch.
- b. Installation. Install clutch assembly in the reverse order of the removal procedure.

#### 4-68. Door Seals

- a. Removal and Installation of Rubber Seal (fig. 60)
- (1) Open door and pry seal (32) from groove in door frame.
- (2) To install rubber seal, make certain door opening is free of dust, dirt, grease and old bonding cement. Use approved cleaning solvent (para-graph 3-3b) to remove any accumulated grease.
- (3) Secure rubber seal in groove in door frame with the proper bonding cement.
- b. Removal and Installation of Handle Gasket (fig. 60).
- (1) The outer handle gasket should be replaced only if it is defective.
- (2) To remove gasket (3), remove three rivets (1) securing outer handle (2) to door. Remove handle and gasket.
- (3) To install gasket, position gasket (3) and handle (2) and secure with three rivets (1).
- 4-69. Decontamination Port Components, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM823, XM824 (fig. 60)
- a. Removal of Cover Gasket. Open cover (37) and pry off gasket (38).
- b. Removal of Housing Gasket. Open cover (37). Remove eight screws (39) and remove decontamination port housing (40) and gasket (41).
- c. Removal of Screen and Gasket. From inside of van, remove three cap screws (50) and lock washers (49) securing air vent housing (51), and remove housing, gasket (41) and screen (46).
- d. Installation. Remove old adhesive and install gaskets with proper adhesive, where required, in the reverse order of paragraphs a, b, and c above.
- 4-70. Air Vent Components, XM822, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913 (fig. 54)
  - a. Removal of Screen. From interior side of

door, remove eight screws (2) securing screen (1), and remove screen.

- b. Removal of Vent Cover and Rainshield. Remove rivets (13 or 15)securf02ing vent cover (14), rainshield (10), or their respective hinges.
- c. Installation. Install replaced parts in the reverse order of paragraphs a and b above.

#### 4-71. Access Openings

- a. Removal of Covers, Hinges and Cover Seals.
  Remove rivets securing cover and remove cover.
  Remove rivets securing hinge and remove hinge. Pry off seals.
- b. Removal of Shield Assembly. Open cover and remove rivets securing shield assembly hinge and remove shield assembly.
  - c. Inspection and Repair.
- (1) Inspect cover for warpage and distortion. Straighten and repaint if necessary. Replace defective cover.
- (2) Inspect hinges for straightness and deterioration. Straighten bent hinge. Replace defective hinge.

- (3) Inspect shields for bends, dents and distortion. Straighten and paint as necessary.
- (4) Check stay for misalignment. Straighten or replace as necessary.
- (5) Inspect captive screws, thumb screws, rivnuts and receptacles. Replace defective parts.
- (6) Clean all parts with water and a stiff brush. Remove grease and oil with approved solvent (paragraph 3-3b).
- *d.* Installation. Install all parts in the reverse order of the removal procedure.

#### 4-72. Dolly Assembly (fig. 4-46)

#### a. General.

(1) The dolly assembly consists of a frame assembly, dual wheels and tires, axle and brake assembly, suspension system, leveling jacks, spare wheel carrier assembly, towing pintle and hook for towing vehicle safety chain, electrical system for running lights, and electrical and brake connections for towed vehicle.

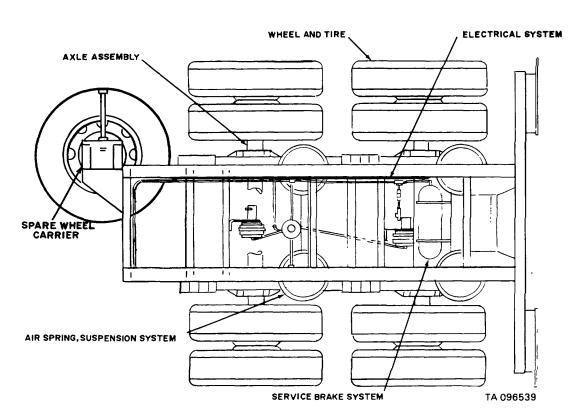


Figure 4-46. Dolly assembly, XM912, XM918

- (2) The dolly assembly is removable for air transport.
- (3) The semitrailer is equipped with a kingpin for use with the fifth wheel of the towing vehicle. The XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822 (serial number S2669), XM823, and XM824 semitrailers incorporate the standard two inch kingpin. Refer to paragraph 4-58 for the air mounted fifth wheel kingpin and paragraph 4-60 for the resilient kingpin used on some vans.

#### b. Removal.

- (1) Extend lifting eyes to the operating position.
- (2) Place one wheel chock in front of wheel on one side of semitrailer. Place the other wheel chock at rear of wheel on other side.
- (3) Use a hoist equipped with a van-width spreader bar with cables and hooks to attach to the lifting eyes.
- (4) Uncouple the air lines and install dummy couplings.
  - (5) Disconnect electrical connections.
- (6) On the XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822 (serial number S2669), XM823, and XM824 semitrailers, remove 24 nuts, washers and screws securing dolly assembly.
- (7) On the XM822 (after serial number S2669), XM844, XM845, XM847, XM848, XM849, and XM850 semitrailers, remove six nuts, washers and screws securing dolly assembly.
- (8) On the XM912 and XM913 semitrailers, remove two cotter pins, two nuts, two washers and two bolts from rear of dolly assembly. Remove four nuts, washers and screws from sides and front of dolly assembly.
  - (9) Using the hoist, raise the van body.
- (10) Pull dolly assembly toward the rear, away from the van body
  - (11) Lower van body to desired location.
  - c Installation
    - (1) Raise van body in position over dolly as-

- sembly Lower van body on dolly assembly.
- (2) Secure in position with the attaching hardware removed in steps (6), (7), or (8) above. On the XM912 and XM913 semitrailers, make certain the two bolts, washers, nuts, and cotter pins are installed at the rear of the dolly assembly.
  - (3) Remove hoist and retract lifting eyes.
- (4) Connect air lines and electrical connections.

#### 4-73. Name, Data and Instruction Plates

- a. Removal. Remove screws securing plate. Remove plate.
- b. Inspection. Inspect for rust. Remove rust and clean thoroughly. Apply a heavy coat of clear lacquer.
- c. Installation. Position plate and secure with screws.

#### 4-74. Level Assembly (fig. 72)

- a. General.
- (1) Eight level assemblies are installed at each side of each corner of the semitrailer.
- (2) The levels are used to aid the leveling of the semitrailer.
  - b. Removal (fig. 72).
- (1) Remove two nuts (6), sleeve spacers (2) and screws (3). Remove level (4).
- (2) Some semitrailers use rivets to attach the level. For these semitrailers, remove the two rivets and remove the level
- (3) Remove two rivets (or two screws (7) on some semitrailers securing bracket (5) to body. Remove bracket.
  - c. Installation (fig. 72).
- (1) Position bracket (5) and secure with screws (7) or rivets.
- (2) Position level (4) on bracket (5) and secure with sleeve spacer (2), screw (3) and nut (6).
- (3) On those semitrailers using rivets as attaching hardware, position level (4) on bracket (5). Secure level with two spacers (2) and rivets.

#### Section XVI. MAINTENANCE UNDER UNUSUAL CONDITIONS

#### 4-75. Extreme Cold Weather Maintenance

For maintenance procedures and practices during extreme cold weather, refer to TM 9-207.

#### 4-76. Extreme Hot Weather Maintenance

- a. Corrosion. In hot, damp climates, corrosion occurs on all parts of the semitrailer and accelerates during rainy seasons. Evidence of corrosion appears in the form of rust, paint blisters, mildew, mold, and fungus growth.
- b. Protective Action. Remove the corrosion from exterior metal surfaces with abrasive paper on cloth and apply a protective coating of paint, or touch up the existing paint. Keep a film of engine lubricating oil (OE-20) on unfinished exposed metal surfaces.

#### 4-77. Maintenance After Fording

Refer to TM 9-238 for maintenance procedures after fording.

### 4-78. Maintenance After Operation On Unusual Terrain

- a. Mud. Thorough cleaning and lubrication of all parts affected must be accomplished as soon as possible after operation in mud. Clean all suspension components and lubricate as specified on the lubrication order. Repack wheel bearings, if necessary.
- b. Sand or Dust. Touch up all painted surfaces damaged by sandblasting. Lubricate completely to force out lubricants contaminated by sand or dust.

## CHAPTER 5 DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS

#### Section I. REPAIR PARTS, SPECIAL TOOLS AND EQUIPMENT

#### 5-1. Special Tools and Equipment.

Special tools and equipment are listed and illustrated in Appendix E. The oil seal replacer (1, fig. 87) and wheel bearing adjusting nut wrench (2, fig. 87) are used in maintenance procedures for the hubs and brake drums.

#### 5-2. Repair parts.

Repair parts that cover direct and general support maintenance for this equipment are listed and illustrated in Appendix E.

#### Section II. TROUBLESHOOTING

#### 5-3. Introductory Information.

- a. This section contains troubleshooting information for locating and correcting most of the operating troubles which may develop in the semitrailer. Each malfunction for an individual component, unit, or system is followed by a list of tests or inspections which will help you to determine the corrective actions to take. You should perform the tests/inspections and corrective actions in the order listed.
- b. This manual cannot list all malfunctions that may occur, nor all tests or inspections and corrective actions. If a malfunction is not listed or is not corrected by listed corrective actions, notify your supervisor.
- c. Table 5-1 lists the common malfunctions which you may find during the operation or maintenance of the semitrailer or its components. You should perform the tests/inspections and corrective actions in the order listed.

Table 5-1 Troubleshooting

# MALFUNCTION TEST OR INSPECTION CORRECTIVE ACTION ELECTRICAL SYSTEM

- 1. Refer to table 4-2
  - **BRAKE SYSTEM**
- 2. Refer to table 4-2
  - SUSPENSION
- 3. HARD PULLING.
  - Step 1. Check for dragging brakes Adjust brakes (paragraph 4-32)
  - Step 2. Check for improper wheel bearing adjustment
    - Adjust bearings (paragraph 4-47f)
  - Step 3. Check for loose suspension springs. Tighten U-bolt nuts
- 4. IMPROPER SPRING ACTION.
  - Step 1. Check for loose U-bolt Tighten U-bolt nuts

Step 2. Check for broken spring leaves, center bolt, or clips
Replace spring, bolt or clip as necessary (paragraph 8-2)

- 5. EXCESSIVELY WORN, SCUFFED, OR CUPPED
- TIRES
  - Step 1. Check for Improper tire pressure Inflate to proper pressure (paragraph 3-18b)
  - Step 2. Check for loose wheels. Tighten wheel nuts
  - Step 3. Check for loose wheel bearings
    - Adjust wheel bearings (paragraph 4-47f)
  - Step 4. Check for deformed wheel or rim Replace defective wheel (paragraph 3-18)
  - Step 5. Check for deformed brake drum Replace deformed brake drum (paragraph 4-47)
  - Step 6 Check for bent axle Replace defective axle LANDING GEAR (Rigid Type)
- 6. ERRATIC OPERATION (BINDING AND GRINDING)
  - Step 1. Check for grit and dirt on working parts
    Clean working parts
  - Step 2. Check for adequate lubrication Lubricate in accordance with the lubrication chart (figs 3-1 and 3-2)
- 7. RATCHET CRANK DOES NOT TURN LANDING GEAR SHAFT FREELY
  - Step 1. Check for adequate lubrication Lubricate in accordance with the lubrication chart (figs 3-1 and 3-2)
  - Step 2. Check for broken gear in gear train Replace defective gear (paragraphs 7-3, 7-6)
- B. LEGS DO NOT RETRACT OR EXTEND FREELY
  - Step 1. Check for adequate lubrication Lubricate in accordance with the lubrication chart (figs 3-1 and 3-2)
  - Step 2. Check for defective gear train in leg. Replace defective part of gear train (paragraphs 7-3, 7-6).
  - Step 3. Check for damaged leg Replace defective leg.

#### Section III. GENERAL MAINTENANCE

#### 5-4. Wiring Harness

- a. Removal
- (1) Disconnect receptacles from harness and all cable connectors.
- (2) Remove four nuts, lock washers and screws securing connector and cover to crossmember and remove connector and cover. Unsolder harness wire from connector (paragraph 4-15a).
- (3) Remove nuts, screws, lock washers and clamps securing harness to undercarriage, and remove harness.
  - b. Installation.
    - (1) Position harness, threading through cut-

outs where required, and secure with screws and clamps.

(2) Connect harness to receptacles and all cable connectors.

#### NOTE

Ground wire terminal is secured by one of four screws, lock washers and nuts.

(3) Secure connector and cover to crossmember with four screws, lock washers and nuts (paragraph 4-15c).

#### 5-5. Wiring Harness Connectors and Receptacles

Refer to figure 5-1 for repair of connectors and receptacles.

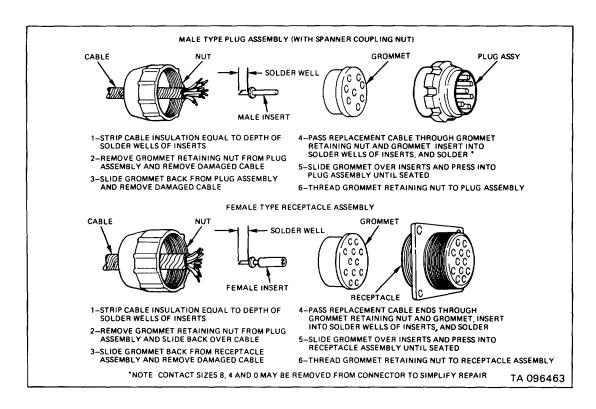


Figure 5-1. Replacement of receptacles and connectors.

#### 5-6. Replacement of Single Wires

- a. Remove and discard electrical insulating tape binding wires of defective branch.
- b. Cut defective wire from branch, leaving sufficient wire for splicing
- c. Cut new piece of wire to same length (plus splice) as defective wire and splice to harness. Tape splice with insulating tape. Assemble new terminals, washers, sleeves and connector shells to ends of new wire as required. Install marker band to new wire.

# Section IV. REMOVAL AND INSTALLATION OF MAJOR COMPONENTS AND ASSEMBLIES

### 5-7. Axle

47).

- a. General. Generally, axle assemblies will not be removed unless inspection discloses a need for repair or replacement. For inspection purposes, remove wheels (paragraph 3-18a) and hubs and brake drums (paragraph 4-47).
  - b. Removal.

### **WARNING**

## Weight of semitrailer must be supported by leveling jacks or by blocking or support stands placed under rear corners of frame throughout operation.

- (1) Position semitrailer on level surface with front end resting on landing gear support legs.
- (2) Extend leveling jacks enough to relieve tires of ground contact and provide support during the removal and installation operation.
- (3) Open air reservoir drain cock to relieve air pressure.
  - (4) Remove wheels (paragraph 3-18a).
  - (5) Remove hubs and drums (paragraph 4-
- (6) Disconnect hydraulic brake hose at tee on rear center of axle.
  - (7) Support axle with a jack.
- (8) Remove two nuts and lock washers from each spring assembly U-bolt and remove U-bolts (fig. 4-38).
- (9) Lower axle assembly and remove from under semitrailer.
  - c. Installation.
- (1) Raise axle assembly with jacks, and block up to proper position. Nut of spring center bolt must seat in recess of axle spring seat.
- (2) Attach axle assembly with four U-bolts, eight lock washers and nuts. Tighten U-bolt nuts to 500 lb-ft.
  - (3) Connect hydraulic brake hose to axle tee.
  - (4) Install hubs, brake drums and wheels.
  - (5) Bleed brakes (paragraph 4-33).
- 5-8. Axle and Bracket Assembly, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824
  - a. Removal.

### **NOTE**

# The key numbers shown below in parentheses refer to figure 50, except where otherwise noted.

- (1) Raise and support semitrailer, remove wheel and tire assemblies and springs (paragraph 4-53).
- (2) Disconnect hydraulic hose connections (fig. 4-38) from supports on axle and bracket assembly (paragraph 4-44c).
- (3) Raise front and rear axles (43) just enough to relieve weight of each axle from lower torque rods (38). Provide a secure means of support to hold this position.
- (4) Remove eight nuts (40) and lock washers (39) securing lower torque rod ends to axle and bracket assembly (50) and main axle lower torque rod brackets (45).
- (5) Loosen torque rod ball ends (paragraph 4-55a).
- (6) Remove four lower torque rods from their respective mountings by prying rod ends out and away from axle and bracket assembly and by prying in and away from front and rear axle lower torque rod brackets.
- (7) With axle and bracket assembly supported (step 3, paragraph 4-53), remove twelve nuts (2) and lock washers (3) securing axle and bracket assembly (50) to frame suspension bracket (1).
- (8) Lower axle and bracket assembly from suspension brackets and away from vehicle.
  - b. Installation
- (1) Install axle and bracket assembly in the reverse order of the procedure in paragraph a above.
- (2) Install four lower torque rods ends in the axle and bracket assembly in the reverse order of the procedure in paragraph 5-8a (6), following instructions in paragraph 4-55.

# CHAPTER 6 REPAIR OF AXLE AND BRAKE ASSEMBLY AND SPRING SEAT

### 6-1. General

Generally, axle assemblies will not be removed unless inspection discloses need for repair or re-placement. For inspection purposes, remove wheel (paragraph 3-18a), hubs and brake drums (paragraph 4-47).

- 6-2. Axle, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824
  - a. Removal

#### WARNING

Weight of semitrailer must be supported by blocking or support stands placed under rear corners of frame throughout operation.

- (1) Position semitrailer on level surface with front end resting on landing gear. Jack up axle to be removed with hydraulic dolly high enough to allow removal of wheels. Lift rear of semitrailer with hoisting equipment (with floor jacks under axle and bracket assembly) until weight of springs has been taken off axle. Block frame securely.
- (2) Remove wheels and tires (paragraph 3-18a) and hubs and brake-drums (paragraph 4-47) from axle to be removed.
- (3) Disconnect hydraulic hose to tee at center of axle (paragraph 4-44c).
- (4) Disconnect torque rods (fig. 50) from axle to be removed (paragraph 4-55).
- (5) Move axle on hydraulic dolly to free springs from spring guide brackets. Move axle from under semitrailer chassis.
  - b. Disassembly.
- (1) Remove nut, lock washer and cap screw, securing hydraulic line connector (fig. 4-38) to band on axle. Remove connector.
- (2) Remove three cap screws securing hydraulic lines to each brake assembly.

### **NOTE**

The key letters shown below in parentheses refer to figure 50.

- (3) Remove eight nuts (40), lock washers (39), and bolts (35) securing two spring guide brackets (48) and lower torque rod brackets (45) to the axle. Remove spring guide brackets and lower torque rod brackets. Remove spring plate (47) from spring guide brackets (48).
- (4) Remove eight nuts (40), lock washers (39) and bolts (35) which secure two upper torque rod brackets (46) and bracket plate (44) to the axle.
- (5) Remove nuts, lock washers and cap screws and remove brake assemblies.
- c. Cleaning. Clean mud and dirt from all exposed parts with water and stiff brush. Remove grease from spindles of axles and wheel retaining parts with approved cleaning solvent (paragraph 3-3b).
  - d. Inspection and Repair.
- (1) Inspect for broken or cracked bracket plate, spring guide brackets and torque rod brackets. Replace broken or cracked parts.
- (2) Check bearing seating surfaces and oil seal sleeve spacer (18, fig. 40) for roughness or damage. File or grind smooth high spots, burrs, or roughness.
- (3) Check threads of axle spindles for wear, crossed threads, or damage. Using fine file, remove burrs or hand chase threads if necessary.
- (4) Check axle spindles for bend. Indications of a bent axle spindle are binding bearings, which cannot be adjusted properly, and extremely uneven wear of brake linings. Replace defective axle spindle.
- (5) Check that axle meets requirements of repair standards listed in Repair Standards, Table 6-1.
- (6) The repair and rebuild standards included in Table 6-1 give the minimum, maximum, and key clearance of new or rebuilt parts. They also give wear limits which indicate that point to which a part or parts may be worn before replacement in order to give maximum service with minimum replacement. Normally, all parts which have not been worn beyond the dimensions shown under wear limits will be approved for service. Points of measurement for repair standards are illustrated in figure 6-1.

Table 6-1 Repair Standards

Item and point of measurement	Fig no. letter ref	Size a of new	Wear limits	
		Min	Max	1
Axle				
Diameter of inner bearing surface	6-1A	3 4988	3 4998	3 4983
Diameter of outer bearing surface	6-1B	2 6238	2 6248	2 6233
Brake drum Inside diameter	6-1C	16.495	16 505	16 625
Back front brake drive				
Inside diameter of hub location hole	6-1D	7 250	7 254	*
Concentricity of inside diameter with outside	6-1E	Total	Indicator	*
diameter		reading	0 004	
Wheel hub				
Inside diameter of inner bearing cup surface	6-1F	5 996	5 998	*
Outside diameter of inner bearing cup surface	6-1G	6 0000	6 0010	*
Inside inner bearing cup fit		0 0015T	0 0045T	*
Inside (bore) diam. of inner bearing	6-1L	3 5000	3.5010	3 5015
Inside diameter of outer bearing cup surface	6-1K	4.434	4 436	*
Outside diameter of outer bearing cup	6-1J	4 4375	4 4385	*
Inside outer bearing cup fit		0 0015T	0 0045T	*
Inside (bore) diam. of outer bearing	6-1H	2 6250	2 6260	2 6265

<sup>\*</sup>Indicates that part should be replaced when worn beyond the limits given in "size and fits of new parts" column.



Figure 6-1. Standard repair measurement points

- (7) Check for damaged paint and repaint where necessary.
  - e. Assembly (fig. 50).
- (1) Install four bolts (35) in spring guide brackets (48).
- (2) Position spring guide brackets on axle (43).
- (3) Rotate bolts (35) until they hang freely in spring guide bracket without binding against axle.
- (4) Position lower torque rod brackets (45) under axle and aline holes with bolts protruding from spring guide brackets.
- (5) Work bolts through mounting holes in lower torque rod bracket, taking care not to damage bolt threads.
- (6) Install lock washer (39) and nut (40) on each bolt; tighten nuts.
- (7) Position upper torque rod bracket (46) on top of axle (43).
- (8) Install four bolts (35) in upper torque rod bracket (46) and rotate them until they hang freely without binding against axle.
- (9) Position bracket plate (44) under axle and aline holes with bolts protruding from upper torque rod bracket.
- (10) Work bolts through mounting holes in torque rod bracket, taking care not to damage bolt threads.
- (11) Install lock washer (39) and nut (40) on each bolt; tighten nut.
  - (12) Install brake assemblies.
- (13) Install hydraulic lines at fittings in wheel cylinders of brake assemblies.
- (14) Install hydraulic line connector and band on axle.

#### f. Installation.

- (1) Position axle on hydraulic dolly under semitrailer chassis and aline spring guide brackets (fig. 4-39) with springs.
- (2) Connect torque rods (fig. 50) to correct brackets on axle.
- (3) Attach hydraulic hose to tee at center of axle (paragraph 4-44d).
- (4) Install wheels, tires (paragraph 3-18b), hubs, and brake drums (paragraph 4-47) on axle.
- (5) Remove blocking equipment and hoisting equipment from semitrailer chassis.

# 6-3. Axle, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913

a. General. Generally, axle assemblies will not be removed unless inspection discloses a need for

repair or replacement For inspection purposes, remove wheels (paragraph 3-18a), hubs and brake drums (paragraph 4-47).

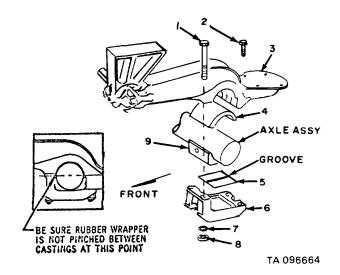
### WARNING

Weight of semitrailer must be sup-ported by leveling jacks or by blocking or support stands placed under rear corners of frame throughout operation.

b. Removal (fig. 6-2).

47).

- (1) Position semitrailer on level surface with front end resting on landing gear legs.
  - (2) Deflate air springs.
- (3) Extend leveling jacks enough to relieve tires of ground contact and provide support during removal and installation operations.
- (4) Open air reservoir drain cock to relieve air pressure.
  - (5) Remove wheels (paragraph 3-18a).
  - (6) Remove hubs and drums (paragraph 4-
- (7) Disconnect hydraulic brake hose at tee on rear center of axle.



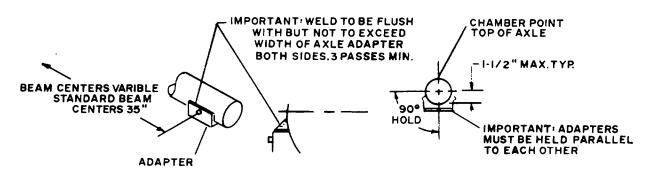
- Rod bolt (long)
- 2 Rod bolt (short)
- 3 Equalizing arm
- 4 Rubber wrapper 5 Rubber pad
- 6 Axle connection cap
- 7 Washer
- 8 Nut
- 9 Axle adapter

Figure 6-2. Removal of axle.

- (8) Support axle with jack.
- (9) Remove eight nuts (8), washers (7), four rod bolts (1), and four rod bolts (2).

- (10) Remove two axle connection caps (6) and two rubber pads (5).
- (11) Lower jack supporting axle and remove axle from underneath semitrailer.
  - c. Cleaning.
- (1) Clean mud and dirt from all exposed surfaces with water and stiff brush.
- (2) Remove grease from spindle of axle and wheel retaining parts with safety cleaning solvent.
  - d. Inspection and Repair.
    - (1) Check threads of axle spindle for wear,

- crossed threads, or damage. Using fine file, remove burrs or hand chase threads if necessary.
- (2) Check axle spindles for bend. Indications of a bent axle spindle are binding bearings, which cannot be adjusted properly, and extremely uneven wear of brake linings. Replace defective axle spindle.
- (3) Check for damaged paint and repaint where necessary.
- (4) Check that axle meets requirements of repair standards listed in table 6-1 and figure 6-1.
  - e. Assembly of New Axle (fig. 6-3).



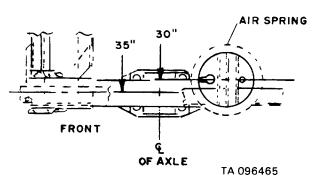
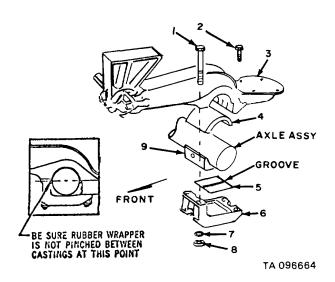


Figure 6-3. Assembly of new axle

- (1) Determine centers of equalizing arm by adding 5 inches to air spring centers. Example: 30-inch air spring center plus 5 inches equals 35-inch equalizing arm center.
  - (2) Locate equalizing arm centers on axle.
- (3) Position two axle adapters on bottom of axle at the center points located in step (2) above. Clamp adapters in place.
- (4) Using a level protractor, adjust both adapters as shown above. Be sure adapters are parallel and tight against axle.
- (5) Weld both adapters securely as shown above with a minimum of three passes, using welding rods AWS Spec. E-7016 or equivalent.
- (6) Position tee fitting on new axle in same location as the original axle and secure with cap screw, lock washer and nut.
  - f. Installation (fig. 6-4).



- Rod bolt (long) Rod bolt (short)
- Equalizing arm Rubber wrapper
- Rubber pad
- Axle connection cap
- Washer
- Nut
- Axle adapter

Figure 6-4. Installation of new axle.

- (1) Connect hydraulic hose to tee at center of axle.
- (2) Insert rubber wrappers (4) in position in equalizing arms (3).
  - (3) Position axle in equalizing arms (3).
  - (4) Place support under axle.
- (5) Check rubber wrappers (4) to make certain they are not pinched.
- (6) Place rubber pads (5) in axle connection caps (6).
- (7) Place axle connection caps (6) under axle and insert rod bolts (1) and (2).
- (8) Secure bolts (1) and (2) with eight nuts (8) and washers (7).
- (9) Torque nuts (8) alternately until axle connection caps (6) and equalizing arms (3) are a tight fit, metal to metal.
  - (10) Install hubs and drums (paragraph 4-47).
  - (11) Install wheels (paragraph 3-18b).
  - (12) Connect hydraulic hoses
  - (13) Close air reservoir drain cock.
  - (14) Remove blocking and support equipment

#### **Brake Drum** 6-4.

If inspection (paragraph 4-47d) reveals brake drum to be out of round or excessively scored,

rebore, removing as little metal as necessary to true friction surface. After boring, check that drum meets requirements of repair standards listed in table 6-1 and figure 6-1. If refinishing requires removal of more than one-sixteenth of an inch of material (one-eighth of an inch in diameter), replace drum.

#### 6-5. **Axle and Bracket Assembly Seat**

#### NOTE

key letters shown The below in parentheses refer to figure 26 except where otherwise indicated.

- Removal.
- (1) Support weight of semitrailer by jacking up axle and bracket assembly at end from which spring seat is to be removed
- (2) Remove four nuts and lockwashers from two U-bolts and remove U-bolts (fig. 4-39). Lift off spring seat on top of spring assembly.
- (3) Loosen two bolts (13) from inner face of spring seat (15) and raise ends of main axles until bottom of spring assembly and center bolt clears top of spring seat
- (4) Remove six bolts (22) and lock washers (21) and remove access cover (20) and gasket (19). Discard gasket if defective.
- (5) Remove adjusting nuts (17) and key washer (18), using wrench NSN 5120-00-795-0059. Remove outer tapered bushing (11)
- (6) Remove spring seat assembly (15) using slight rocking motion (left and right) while carefully sliding seat out and away from axle and bracket assembly (1). It is possible inner bearing cup (12) will remain in spring seat.
- (7) Remove inner tapered bushing (11), encased seal (9), packing retainer (8), flat washers (6 and 7) from axle and bracket assembly (1) Discard seals.
- Cleaning. Clean mud and dirt from all exposed b. parts with water and stiff brush. Remove grease from spring seat parts with approved cleaning solvent (paragraph 3-3b).
  - Inspection and Repair. C.
- (1) Inspect for broken or cracked parts. Replace broken or cracked parts.
- (2) Check bearing seats and oil seal surface on bracket for rough spots or damage. File or grind smooth high spots, burrs, or roughness. Check that parts meet the requirements of repair standards listed in table 6-1 and figure 6-1.
- (3) Replace any part that does not meet these standards.

- d. Installation (fig. 26).
- (1) Prior to installation of spring seat assembly, saturate new encased seal (9) with lubricating oil (fig. 3-1). Pack tapered bushings (11) with automotive grease (fig. 3-1).
- (2) Install flat washers (6 and 7), encased seal (9) and inner tapered bushing (11) on axle and bracket assembly (1).
- (3) Install inner bearing cup (12) in spring seat (15) and slide seat on axle and bracket assembly against flat washer (7) and seal (9) and over flat washer (6).
- (4) Install outer bearing cup (12), outer tapered bushing (11) and inner adjusting nut (17). Using wrench NSN 5120-00-795-0059, tighten inner adjusting nut (17) to a torque of 70 lb-ft. Back off approximately one-quarter of a turn. Spring seat (15) should turn freely without lateral movement.

- (5) Install key washer (18) and secure with outer adjusting nut (17), to a torque of 150 lb-ft. Peen outer edges of lock nut over no less than two flats of each adjusting nut.
- (6) Install access cover (20) with new cover gasket (19) and secure with six bolts (22) and lock washers (21).
- (7) Lower main axles until spring assembly seats in top of spring seat. Spring assembly center bolt must fit into recess in top of spring seat.
- (8) Position upper spring seat on top of spring assembly and install two U-bolts over upper spring seat and down through four holes in spring seat assembly. Secure U-bolts with four nuts and lock washers. Torque nuts to 255-280 lb-ft.
- (9) Tighten two bolts (13) on inner face of spring seat (15) to a torque of 280-635 lb-ft.
- (10) Remove jack supporting axle and bracket assembly.

# CHAPTER 7 REPAIR OF LANDING GEAR

### 7-1. General

This chapter covers the rigid-type landing gear used on XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, and XM845 semitrailers. The swing-up landing gear used on XM847, XM848, XM849, XM850, XM912, and XM913 semitrailers is not authorized for repair. Replacement by organizational maintenance is authorized for the swing-up landing gear.

### 7-2. Removal

Refer to paragraph 4-51b for removal of landing gear.

### 7-3. Disassembly (fig. 48)

- a. Remove landing gear wheels (paragraph 4-51e).
- b. Turn landing gear crank shaft until lower leg assembly (29) is in fully retracted position.
- c. Remove four screws with integral washers (42) securing cover (2) and gasket (3) to gear box (38). Remove cover. Remove and discard gasket if replacement is necessary.

#### NOTE

# Removal of cover will provide access for removal of spring (9) and ball bearing (10).

- *d.* Drive out pin (12) securing sliding spur gear set (8) to crank shaft (11).
- e. With movement toward the nine-hole gear box mounting flange, remove crank shaft (11). Remove sliding spur gear cluster (8).
- f. Drive out pin (12) securing spur gear cluster (39) and pin (18) retaining bevel gear (5) to gear shaft (17).
- g. With movement away from the nine-hole gear box mounting flange, remove gear shaft (17), woodruff key (13), flat washer (6), bevel gear (5) and spur gear cluster (39).
- h. Remove self-locking nut (4) and spring clip (41) securing bevel gear (40), tapered roller bearing (7) and landing gear screw (22) to gear box (38).

## NOTE

Removal of tapered roller bearing (7) from left hand leg gear box will include bearing cup.

- i. Using soft hammer or bar, drive landing gear screw (22) down until bevel gear (40) machine key (21) and tapered roller bearing (7) can be removed from gear box.
- *j.* Remove plug (32), spring clip (33) and gib (34) from upper leg assembly (19).
- *k.* Remove lower leg assembly (29) including landing gear screw (22) and roller thrust bearing (20) from upper leg assembly (19).
- I. Remove roller thrust bearing (20) from landing gear screw (22) and unscrew landing gear screw from nut (30) in lower leg assembly (29).

### NOTE

## Do not perform steps m, n, and p below unless inspection of parts to be removed indicates that parts are unserviceable.

- *m.* With lower leg assembly (29) in inverted position, drive out and remove two pins (31) securing nut (30) inside lower leg tube. Remove nut.
- *n.* Using arbor press (or equivalent), remove two each sleeve bearings (15 and 16) from gear box (38).
- o. Remove two lubrication fittings (35) from upper leg assembly (19).

### 7-4. Cleaning

- a. Wipe all parts clean.
- b. Remove old lubricant with approved cleaning solvent (paragraph 3-3b).
- c. Clean roller bearings, gears and screw threads thoroughly.

### 7-5. Inspection and Repair

- *a.* Inspect all parts for wear, distortion and cracks. Replace all unserviceable parts.
- b. Cracks in such parts as gear box, cover, upper and lower leg assemblies may be welded to maintain serviceability.
- *c.* Check gears for worn, cracked or broken teeth. Remove burrs with fine file or abrasive cloth.
- d. Check bearings, bearing cup and sleeve bushings for excessive wear.
- e. Check landing gear screw, crank and gear shafts for wear and straightness. Roll screw and shafts on flat surface to check straightness.
- f. Replace landing gear screw in nut (lower leg assy) and check full length of screw for ease of operation or wear. Remove screw after inspection.

- *g.* Check gib and its contacting grooved surface (lower leg assy) for burrs and wear. Remove burrs with fine file and finish with fine abrasive cloth.
- h. Insert lower leg assembly into upper leg assembly and simulate full retraction and extension action as a check for ease of operation.
- *i.* Check wheels and axle for ease of operation and alignment. If practical, straighten and weld as required.
  - *j.* Check lubrication fittings for serviceability.
- *k.* All parts found serviceable, after inspection and repair, must be rust and corrosion free. Use fine file, wire brush or abrasive cloth to clean affected areas.
- *I.* Inspect and clean all exterior surfaces for chipped paint. Scrape loose paint and prime coat. (Finish coat to be applied after assembly).

# 7-6. Assembly (fig. 48) NOTE

During various steps of assembly apply lubricants (figs. 3-1 and 3-3) to such parts as roller bearings, sleeve bearings, landing gear screw, gib recess and contact groove, wheels and axle. Check for ease of operation during assembly and installation of parts.

- a. If sleeve bearings (15 and 16) have been removed (step n, para 7-3), position new sleeve bearings in gear box (38). Using an arbor press or equivalent, press bearings in place. Match drill, from gear box, 27/64-inch diameter through top of new inner sleeve bearing (15) to allow ball bearing (10) to contact crank shaft (11). Remove burrs and loose chips.
- b. Use an arbor press or equivalent and install nut (30) in lower leg assembly (29), making sure holes for pins (31) are in perfect alinement.
- c. Install two pins (31) securing nut (30) to lower leg assembly (29). Make sure pins are fully seated to prevent bind on landing gear screw.
- d. Install landing gear screw (22) in lower leg assembly (29) and nut (30). Engage screw approximately half its total length.

- e. Install roller thrust bearing (20) over top upper end of landing gear screw (22) and insert entire lower leg assembly (29) into upper leg assembly (19) until roller thrust bearing (20) makes contact with under side of gear box (38).
- f. Assemble machine key (21), bevel gear (40) and spring clip (41) to top of landing gear screw (22) and secure with self-locking nut (4).
- g. Rotate lower leg assembly (29) to aline gib contact groove with hole in upper leg assembly (19) and install gib (34), spring clip (33) and plug (32).
- h. With movement toward nine-hole mounting flange of gear box (38), install gear shaft (17), spur gear cluster (39), woodruff key (13), bevel gear (5) and washer (6).
- *i.* Install pin (12) securing gear cluster (39) to gear shaft (17).
- *j.* Install pin (18) in gear shaft (17) to retain bevel gear (5).
- k. With movement through nine-hole mounting flange side of gear box (38), install crank shaft (11) and sliding spur gear cluster (8).
- I. Install pin (12) securing sliding spur gear cluster (8) to crank shaft (11). Make preliminary operational checks by turning crank shaft (11) to retract and extend lower leg assembly (29).
- m. Install two lubrication fittings (35) in upper leg assembly (19).
  - n. Install ball bearing (10) and spring (9).
- o. Position gasket (3) and cover (2) over gear box (38) and secure with four screws with integral lock washers (42).
- p. Make final operational check. Make sure crank shaft maintains its setting during low and high speed operation.
  - q. Install landing gear wheels (paragraph 4-51g).
  - r. Apply finish coat of paint as required.

## 7-7. Installation

Refer to paragraph 4-51d.

# CHAPTER 8 REPAIR OF SPRINGS AND TORQUE RODS

### 8-1. General Description

- a. The suspension system consists of a single point, two-spring, tandem axle suspension which utilizes parallelogram type linkage. Two helper spring assemblies are mounted directly over two main spring assemblies.
- b. Each end of the main springs rests on wear pads mounted on spring guide brackets attached to the axles.

# 8-2. Springs

- a. Removal. For removal of springs, refer to paragraph 4-53b.
  - b. Cleaning. Clean mud and dirt from springs

- with water and stiff brush. Remove grease with approved cleaning solvent (paragraph 3-3b).
- c. Inspection. Inspect leaves and clips for cracks or breaks. Note whether excessive wear is apparent on lower leaf of main spring at contact of spring bearing seat. Replace worn or defective leaves and clips and spring guide side plates riveted to the inside of spring guide brackets. Replace if excessive wear is apparent.
  - d. Disassembly (fig 8-1).
- (1) Disassemble springs into separate leaves only for replacement of broken leaves. The procedure for disassembly of the helper spring and main spring is identical.

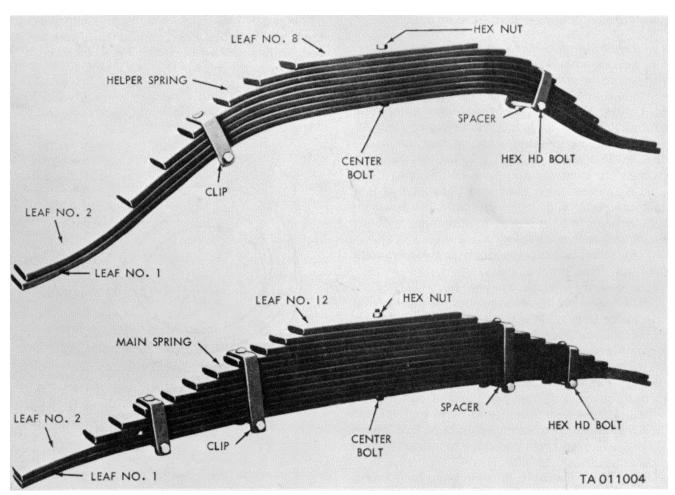


Figure 8-1. Spring assemblies.

- (2) Clamp spring in arbor press or vise, or tighten C-clamp over spring near center bolt to hold leaves after spring alignment clips and center bolt have been removed.
- (3) File or grind off peened ends of cap screws securing ends of alignment clips. File or grind off peened end of center bolt.
- (4) Remove nuts, cap screws and spacers at each alignment clip and discard cap screw. Remove nut on center bolt and discard bolt.
- (5) Gradually relieve pressure of press, vise, or C-clamp and separate leaves. If necessary, use heat to open alignment clips.
- e. Cleaning Spring Leaves. Clean each leaf with approved cleaning solvent (paragraph 3-3b). Brush or buff rust and corrosion from leaves.
- f. Inspection and Repair. Inspect each leaf for cracks or breaks. Replace defective leaves. Make sure rivets hold clips tightly. Check leaf clips for cracks. Cut out and replace any defective rivet. Make sure new rivet head does not extend above inner surface of spring leaf after forming.
  - g. Assembly of helper spring (fig. 8-1).
- (1) Assemble leaves in proper order starting with lower (larger) leaf number 1. Aline holes for center bolt and insert center bolt into hole in leaf No. 1 and through holes in other leaves numbers 2 through 8. Do not apply lubricant between leaves.
- (2) Clamp leaves together with arbor press, vise, or C-clamps. Install nut on center bolt. Tighten nut securely and peen end of bolt.
- (3) If necessary, heat and bend end of leaf clips into position over five leaves. Clips must be tight enough to hold leaves in alinement without restricting free movement of leaves.
- (4) Install two clip spacers with two new bolts and nuts. Peen ends of bolts.
  - h. Assembly of main spring (fig. 8-1).
- (1) Assembly leaves in proper order, starting with lower (larger) leaf number 1. Aline holes for center bolt and insert new center bolt through 12 spring leaves.
- (2) Clamp leaves together with arbor press, vise, or C-clamps. Install nut on center bolt. Tighten nut securely and peen end of bolt.
- (3) If necessary, heat and bend ends of leaf clips into position over outer ends of five leaves (fig. 8-1). Repeat this procedure to locate two leaf clips in position over nine leaves.
- (4) Clips must be tight enough to hold leaves in alinement without restricting free movement of leaves.

- (5) Install four clip spacers with four new bolts and nuts. Peen ends of bolts.
- *i. Installation.* For installation of spring assemblies, refer to paragraph 4-53c.

### 8-3. Torque Rods

- a. Removal. For removal of torque rods, refer to paragraphs 4-55a and 4-55c.
- b. Cleaning. Clean with water and soft brush. Inspect for damaged threads while cleaning
  - c. Inspection and Repair.
- (1) Examine rubber for loss of elasticity or breaks in material. Make certain ball with bushing assembly is securely mounted in rod.
- (2) Remove burrs and hand chase damaged threads with fine file. If damage thread cannot be corrected, if rubber is hard or cracked, or if ball with bushing assembly is loose in rod, install new ball with bushing assembly.
- (3) To install new assembly, mount rod in arbor press. Using remover and replacer NSN 5120-00-048-7368 (fig. 8-2), press out ball with bushing assembly. Position new ball, with torque rod, radius side of bore up. Press into rod with remover and replacer (fig. 8-2).

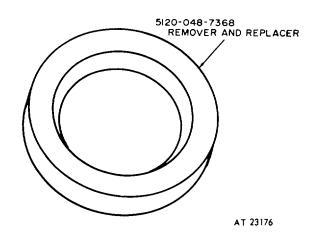


Figure 8-2. Torque rod ball remover and replacer.

*d. Installation.* For installation of torque rod, refer to paragraph 4-55*b* and 4-55*d*.

# CHAPTER 9 MAINTENANCE OF AUXILIARY EQUIPMENT

### Section I. ORGANIZATIONAL MAINTENANCE

### 9-1. General

This chapter describes the auxiliary equipment used with some of the semitrailers. Procedures are included for removal and installation of this equipment.

### 9-2. Air conditioner, XM654

a. General. The XM654 semitrailer is equipped

with two model CE60VAL6, 208volt, three-phase, 60 Hz, 60, 000 BTU air conditioners, mounted on the front platform. The control panels are located on the right side wall near the partition.

- b. Removal (fig. 9-1).
- (1) Remove the two access panels from front wall in the interior of van, beneath the plenum chamber partition.

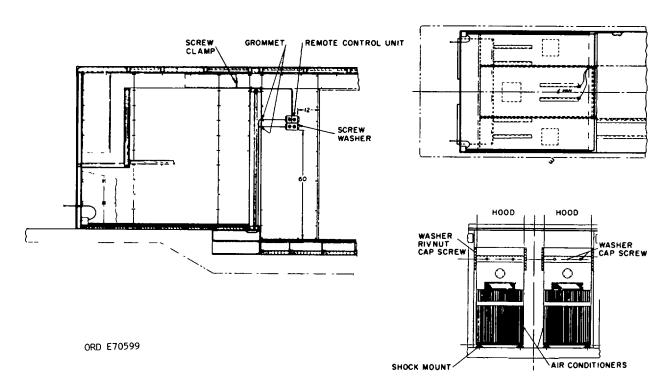


Figure 9-1. Air conditioner and remote control unit, XM654

- (2) Disconnect both power and remote control cables. Place cables so that they hang into van through the access opening and are taut against front wall of van, out of the way of air conditioner units.
- (3) Loosen both large hexagonal cap screws on each hood assembly.
- (4) Unscrew cap screws which hold hood assembly in place against van wall.
- (5) Unscrew 16 cap screws from rivnuts and remove hood.
- (6) Remove screws which run through centers of shock mounts, and remove air conditioner unit.
  - c. Installation (fig. 91).
- (1) Position air conditioner on shock mounts and secure in place with the screws which run through the centers of the shock mounts.
- (2) Position hood assembly using the two large hexagonal cap screws on each hood assembly as positioning guides.
- (3) Thread 16 cap screws into the nuts with blind rivets and tighten.

- (4) Secure hood assembly to van wall with cap screws.
  - (5) Connect power and remote control cables.
- (6) Replace the two access panels from front wall in the interior of the van.

### 93. Remote Control Unit, XM654

- a. Removal.
- (1) Remove grille from return air duct at front of van.
- (2) Remove the two air filters from opening created by removal of grille.
- (3) Loosen capillary tube securing clips inside the return air duct by removing the screw holding each clip. Slip tube free of its securing clip.
  - (4) Disconnect power cables.
- (5) From along the underside of air supply duct against van wall, remove the securing clips holding copper tubing in place.
- (6) Unfasten lower remote control unit first by removing four screws holding it in place. This is the remote control unit with longer copper tubing. Handle the unit carefully to prevent damage to tubing.
- (7) Unfasten and remove upper remote control unit, following the procedure in (6) above.
  - b. Installation.
- (1) Remove return air grille and the two air filters if they have not previously been removed.
- (2) Carefully lift remote control unit with shorter capillary tube to upper mounting base on right wall of van. Make certain that capillary tube is not kinked, unduly bent, or damaged. Fasten unit with four screws and washers.
- (3) Carefully extend the capillary tube along the wall to the bottom of the air supply duct. From

there, run it across bottom of air supply duct, through the grille opening and air filter brackets to the closer capillary tube bracket located inside the air duct. Make certain there are no kinks or sharp bends in the tube.

- (4) Place rubber capillary securing clip on capillary tube bracket. Slip capillary tube into rubber securing clip and tighten securing bolt so that clip holds tube firmly but does not crush it.
- (5) Repeat this procedure for the lower remote control unit. Copper tubing for this unit runs to the bottom of air supply duct to left of copper tubing already in place. It will run along bottom of air supply duct and to opening in the return air duct, just below tubing installed for upper unit.

Secure with rubber securing clip of the farther capillary tube bracket inside return air duct.

- (6) Fasten tubing to van wall with securing clips, each clip holding both tubes, using a screw and washer for each clip.
- (7) Install two air filters on their supporting brackets.
  - (8) Install return air grille with 22 screws.

### 94. Air Conditioner, XM680, XM680E1

- a General. The XM680 and XM680E1 semitrailers are equipped with four model CE20VAL6, 208volt, three-phase, 60 Hz, 18, 000 BTU air conditioners, mounted in front directly to the rear of the front doors The remote control units are located on the inside face of the front bulkhead.
- b. Removal (fig 92) (1) Disconnect damper control chains from each return air grille. Remove return air grilles from partition in van interior.

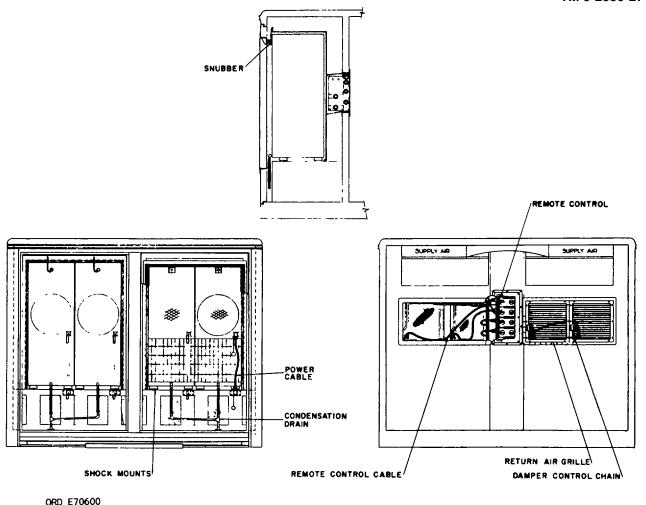


Figure 9-2. Air conditioner and remote control unit, XM680, XM680E1

- (2) Disconnect remote control cable at air conditioner end in interior of van.
- (3) Open front doors and latch in place with stabilizing rods.
- (4) Disconnect power cable, first at top and then at bottom.
- (5) Stow loose cables in a safe place to prevent loss or damage during removal of air conditioner.
- (6) Loosen upper hose clamps on condensation drains at base of air conditioner unit and slide hoses down from couplings.
- (7) Unscrew snubber assembly holding collars from stud assemblies of each unit allowing snubber assemblies to hang free.
- (8) Remove screws from centers of shock mounts.
- (9) Remove air conditioner unit by sliding it forward on mounts until it can be grasped and lifted off.
  - c. Installation (fig. 92).

- (1) Position air conditioner on shock mounts and secure in place with the screws which run through the centers of the shock mounts.
- (2) Position snubber assembly and secure in place with the stud assemblies.
- (3) Install condensate drain hoses and secure with the hose clamps.
  - (4) Connect power and remote control cables.
- (5) Fasten remote control cable assembly to air conditioner shock mount with jiffy clip, screw and washer.
- (6) Place return air grilles into position and fasten with screws and washers.
  - (7) Connect damper control chain.

### 9-5. Remote Control Unit, XM680, XM680E1

- a. Removal.
  - (1) Disconnect damper control chain from

each return air grille. Remove grilles from partition.

- (2) Unfasten and remove capillary tube securing clips between air conditioner units. Take care not to kink, unduly bend or otherwise disturb soft copper tubing. Exercise caution in handling sensitive capillary tubes. Let tubes and tubing sag and hang in place. Stow clips where they will not be lost.
- (3) Unscrew and remove slotted plates attached to air conditioner housings. Note that slotted sections fit around lower cables but that capillary tubing enters these plates through two holes at top. To remove plates, move them along copper tubes to capillary tubes, and then past these tubes.
- (4) Unfasten and remove long narrow plate through which remote control cables enter the control unit housing. Move plate back along cables far enough to obtain access to connector assemblies within the housing.
- (5) Reach through access openings in control assembly casting and disconnect cables.
- (6) If it is necessary to remove narrow plate from cables, remove grommets from plate and slide plate over the connectors at the cable ends.
- (7) Unfasten and remove remote control housing cover from front face of control unit assembly.
- (8) Unfasten and remove each control unit from its assembly base. Exercise caution to prevent damage to capillary tubes and to prevent kinking, unduly bending, or deforming soft copper tubing.
- *b.* Installation. Install remote control units in reverse order of paragraph 95a, paying particular attention to the following:
- (1) The wiring of the two lower control units must be carefully curved around the remote control units to fit through upper two holes in slotted places on right side of remote control housing.
- (2) Assemble narrow plates around the two lower cables, one plate with open slot ends toward inside of van, and the other plate with open slot ends toward outside of van.
- (3) Use care to prevent damage to the capillary tubes and the tubing.

### 9-6. Air Conditioner, XM822

a. General. The XM822 semitrailer is equipped with a model 76E34104, 208volt, three phase, 60 Hz, 60, 000 BTU air conditioner, mounted inside the front door. The remote control unit is located in the main control panel in the laboratory compartment.

### b. Removal.

- (1) Disconnect power cables.
- (2) Disconnect ducts from rear of air conditioner.
- (3) Loosen hose clamps and disconnect the condensate hoses.
- (4) Remove attaching hardware from base of air conditioner.
- (5) Slide the air conditioner through the door opening while carefully supporting it.
- (6) Use a suitable fork lift truck and remove the unit from the semitrailer.

### c. Installation.

- (1) Use a suitable fork lift truck and place the unit in the semitrailer.
- (2) Slide the air conditioner onto the mounting base.
- (3) Secure air conditioner with attaching hardware.
  - (4) Install hoses and tighten hose clamps.
  - (5) Connect ducts to rear of air conditioner.
  - (6) Connect power cables.

### 9-7. Air Conditioner Remote Control Unit, XM822

### a. Removal.

- (1) Remove screws attaching unit to electrical control panel.
- (2) Partially remove control panel and disconnect wires from rear of unit.
  - b. Installation.
    - (1) Attach wires to rear of unit.
- (2) Position unit on electrical control panel and secure with attaching hardware.

### 9-8. Heating System, XM654, XM680, XM680E1

Heat for the XM654, XM680 and XM680E1 semitrailers is supplied through heat strips located in the air conditioners.

### 9-9. Heating System, XM822

- a. The XM822 semitrailer has a heating system composed of a heater assembly consisting of 12 heating elements located in the air conditioning duct to the rear of the air conditioner.
- b. The heater assembly contains six 1000watt, 220volt elements located on the lower tier, and six 1600watt, 220volt elements located on the upper tier of the heater assembly.
- c. The remote control unit is located on the left wall, forward of the main control panel.

# d. Removal of Heating Element (fig. 84) WARNING

Turn the HEATER circuit breaker OFF before proceeding with the following.

- (1) Remove screws (9) securing heater assembly (8) in position and lower heater assembly.
- (2) Remove and mark wires leading to heater element.
- (3) Remove nuts (15), washers (16) and screws (17) and remove heating element (13 or 14) from heater assembly (8).
  - e. Installation of Heating Element (fig. 84).
- (1) Position heating element (13 or 14) and secure with screws (17), washers (16) and nuts (15).
  - (2) Attach wires to proper terminals.

- (3) Position heater assembly (8) and secure with screws (9).
  - f. Removal of Thermostatic Switch (fig. 85)
- (1) Remove screws (9) and pull cover (2) back part way.
- (2) Remove thermostat wires from terminal board (5).
- (3) Remove attaching hardware and remove thermostatic switch (10).
  - g. Installation of Thermostatic Switch (fig 85)
- (1) Position thermostatic switch (10) and secure with its attaching hardware.
- (2) Connect wires to proper terminals of terminal board (5).
- (3) Position cover (2) and secure with screws (9).

# Section II. DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE

### 9-10. General

Direct support and general support maintenance instructions are beyond the scope of this manual.

The specialized repair facility performing this maintenance should be notified.

# APPENDIX A REFERENCES

### A-1. Publication Indexes

Index of Army Motion Pictures and Related Audio-Visual Aids	. DA PAM 108-1
Consolidated Index of Army Publications and Forms	DA PAM 310-1

## A-2. Forms

Refer to TM 38-750, The Army Maintenance Management Systems (TAMMS), for instructions on the use of maintenance forms pertaining to the materiel.

# A-3. Field Manuals, Supply Bulletins, Technical Bulletins, and Technical Manuals

Camouflage	TB 43-0209
Chemical, Biological and Radiological (CBR) Decontamination	TB 3-220
Nuclear, Biological and Chemical Defense	
Basic Cold Weather Manual	
Manual for Wheeled Vehicle Driver	FM 21-305
Welding Theory and Application	TM 9-237
Organizational Care, Maintenance and Repair of Pneumatic Tires and Inner-Tubes	TM 9-2610-200-20
Operation and Maintenance of Ordnance Materiel in Cold Weather (0° to - 65°F)	FM 9-207
Procedures for Destruction of Tank-Automotive Equipment to Prevent Enemy Use	TM 750-244-6
Administrative Storage of Equipment	TM 740-90-1

# APPENDIX B COMPONENTS OF END ITEM AND BASIC ISSUE ITEM LIST

### Section I. INTRODUCTION

### B-1. Scope

This appendix lists integral components of and basic issue items for the semitrailer, van: electronic, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM849, XM850, XM912, and XM913 to help you inventory items required for safe and efficient operation.

### B-2. General

This Components of End Item List is divided into the following sections:

- a. Section II. Integral Components of the End Item. These items, when assembled, comprise the semitrailer and must accompany it whenever it is transferred or turned in. The illustrations will help you identify these items.
- b. Section III. Basic Issue Items. These are the minimum essential items required to place the semitrailer in operation, to operate it, and to perform emergency repairs. Although shipped separately packed they must accompany the semitrailer during operation and whenever it is transferred between accountable officers. The illustrations will assist you with hard to identify items. This manual is your authority to requisition replacement BII, based on TOE/MTOE authorization of the end item.

### **B** 3. Explanation of Columns

- a. Illustration. This column is divided as follows:
- (1). Figure Number. Indicates the figure number of the illustration on which the item is shown.
- (2). Item Number. The number used to identify item called out in the illustration.
- b. National Stock Number. Indicates the National stock number assigned to the item and which will be used for requisitioning.

This section is not applicable.

- c. Part number. Indicates the primary number used by the manufacturer which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.
- d. Description. Indicates the Federal item name and, if required, a minimum description to identity the item.
- *e. Location.* The physical location of each item listed is given in this column. The lists are designed to inventory all items in one area of the major item before moving on to an adjacent area.
- f. Usable on Code. "USABLE ON" codes are included to help you identify which component items are used on the different models. Identification of the codes used in these lists are:

Code	Used On
A09	XM680
A10	XM654
A11	XM738
A12	XM574
A13	XM574E1
A14	XM680E1
C13	XM822
C14	XM844
C15	XM845
C16	XM847
C17	XM848
C18	XM849
C19	XM850
C58	XM824
C59	XM823
C61	XM912
C62	XM913
140	XM739
26F	XM739E1

- g. Quantity Required (Qty Reqd). This column lists the quantity of each item required for a complete major item.
- h. Quantity. This column is left blank for use during an inventory. Under the Rcv'd column, list the quantity you actually receive on your major item. The Date Columns are for your use when you inventory the major item at a later date such as for shipment to another site.

### Section II. INTEGRAL COMPONENTS OF END ITEM

This section is not applicable.

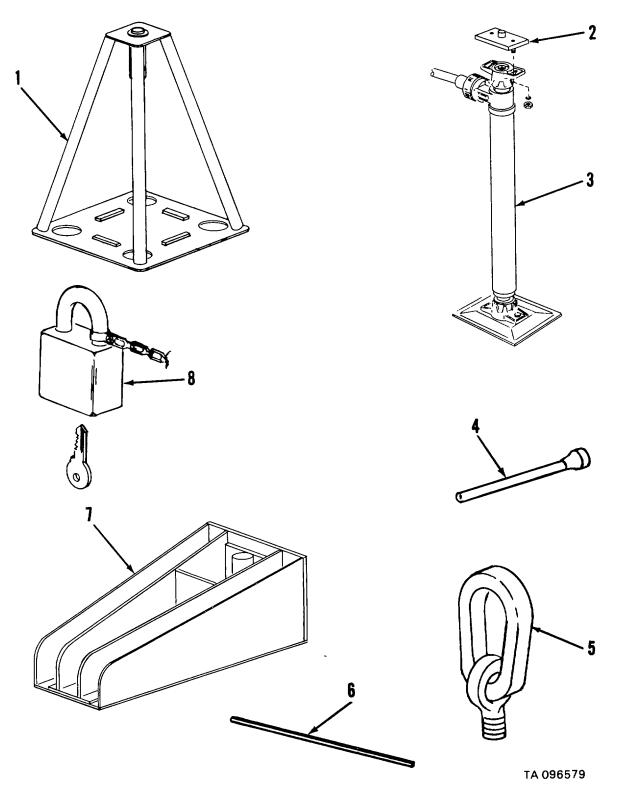


Figure B-1. Basic issue items

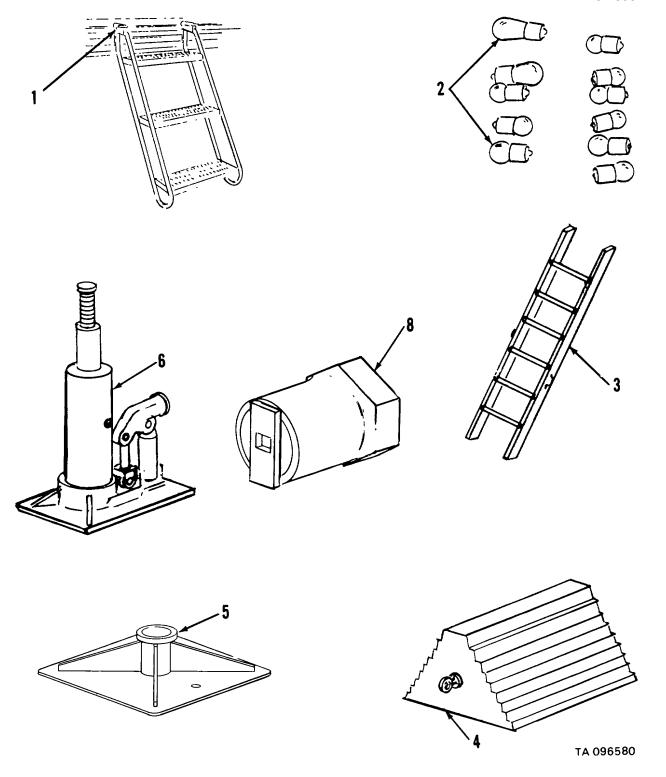


Figure B-2 Basic Issue items B-3

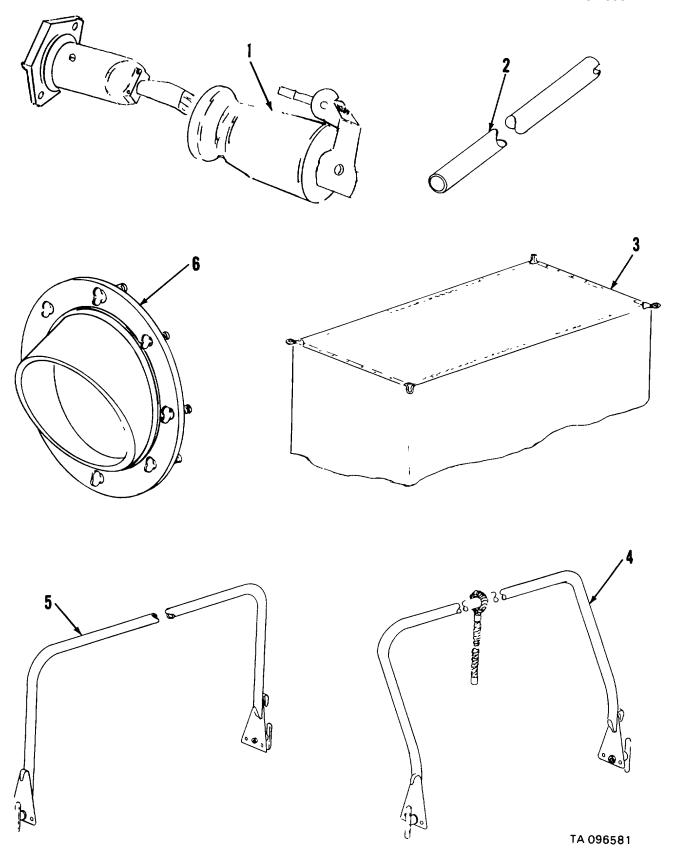


Figure B-3 Basic Issue items. **B-4** 

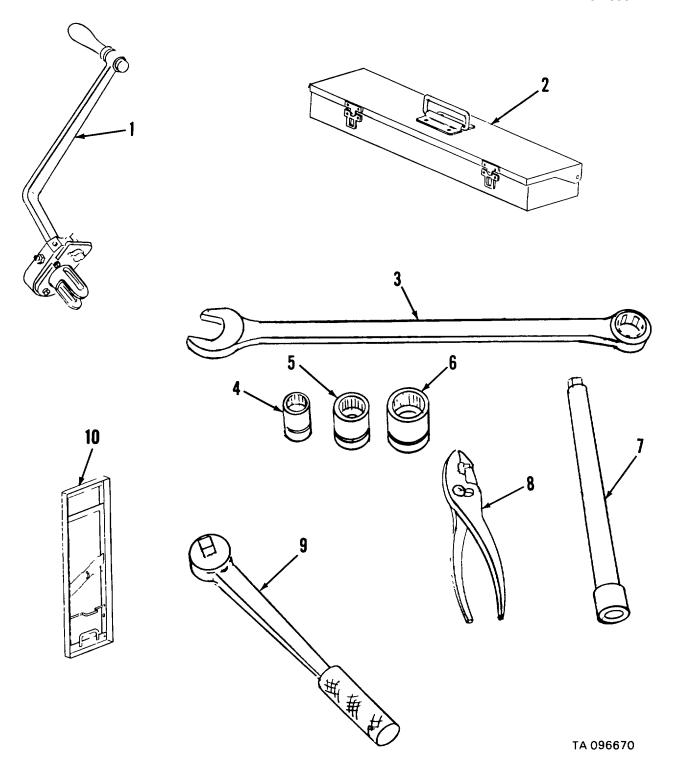


Figure B-4. Basic issue items. **B-5** 

				SECTION III. BASI	<del>Ç ISSUE I</del>	TEMS	1		
(1)	)	(2)	(3)	(4)	(5)	(6)	(7)		(8)
		National Stock	Part No.	, ,		USABLE	QTY	QU	(8) ANTITY
(a)	(b)	Number				ON	REQD		
Fig. No	Item Date			Description	LOCATION	CODE		Rcvd	Date
		0540 04 004 4455	44004405	ADADTED Lavalia a					
B-1	5	2510-01-031-4455	11681435	ADAPTER leveling support jack		C16, C17,	2		
						C18, C19, C61, C62			
B-1	4	2590-01-098-1935		ADAPTER loadingjack		C14, C15	2		
B-3	4	2540-00-856-1955	8747249	BOW tarpaulin		A09, A11, A12, A13,	2		
						A14, C58, C59, 140,			
	_					26F			
B-3	5	2540-00-856-1954	8747250	BOW: tarpaulin		A09, A12, A13, A14	11		
B-3 B-3	5 5	2540-00-856-1954 2540-00-856-1954		BOW tarpaulin BOW tarpaulin		C58, C59	13 14		
				·		A11, 140, 26F			
B-4	10	4910-00-357-5494	7346922	BRACKET, TOOL		A10, A11, A13, C13,	1		
						C14, C15,			
						C16, C17, C18, C19,			
						C58, C59, 140, 26F			
B-3			13835912	CABLE ASSEMBLY,		A09, A10,	1		
				SPECIAL		A11, A12, A13, A14,			
						C58, C59, 140, 26F			
B-3	1	5996-00-435-2498	11638024	CABLE ASSEMBLY,		C13, C14,1			
				SPECIAL		C15, C16, C17, C18,			
						C19, C61, C62			
B-2	4		MS52127-2	CHOCK, WHEEL		002	2		
B-3	6	2540-00-946-8369	3835934	COVER ASSEMBLY vent		A11, 140,	2		
B-4	1	2590-00-856-1950	10882198	CRANK, RATCHET		26F A09, A10,	2		
D-4	'	2390-00-830-1930	10002190	CRAININ, RATCHET		A11, A12,	2		
						A13, A14, C13, C58,			
						C59, 140, 26F			
		4210-00-655-8837	10916537	EXTINGUISHER, FIRE		A09, A10,	2		
		4210-00-555-8837	10916537	EXTINGUISHER, FIRE		A14 A11, 140 26F	1		
		4210-00-555-8837		EXTINGUISHER, FIRE		C13	4		
B-1			GGG-H-86C1 641-H-1541	HAMMER: ball peen HANDLE: leveling jack		C61	1 2		
		2610-00-269-7383	MS35392-13	INNER TUBE		C14 C45	1 2		
B-1	3	2590-01-038-1507	11646252	JACK leveling-support		C14, C15, C16, C17			
						C18, C19, C61, C62			
B-2	6		MS16283-4	JACK hydraulic		C14, C15,	1		
						C16, C17, C18, C19,			
						C61 C62			

# **SECTION II. BASIC ISSUE ITEMS**

(1)	)	(2) National	(3) Part No.	(4)	(5)	(6)	(7)	QU	(8) ANTITY
(a) Fig. No	(b) Item Date	Stock Number		Description	LOCATION	USABLE ON CODE	QTY REQD	Rcvd	Date
B-2	1	2540-00-856-1956	10882157	LADDER		A12, A13 140	2		
B-2 B-2	1 1	2540-01-098-5106 2540-00-868-5661		LADDER LADDER		A10 A11, C13, C58, C59,	2 2		
B-2	1	2540-01-101-8451		LADDER		26F A09	1		
B-2	1	2540-01-098-5147		LADDER		A09	1		
B-2	1	2540-01-049-6350		LADDER		C14, C15	2		
B-2	1	2540-01-087-6980	11684408	LADDER		C16, C17, C18, C19, C61, C62	2		
B-2	3	2540-00-964-6034	10891462	LADDER		A11, A12, A13, C14, C15, C16, C17, C18 C19, C61, C62, 140,	1		
B-2	1	2540-00-868-5660	8389462-1	LADDER		26F C13, C58,	1		
B-2	4	2540-01-098-6739	2670027	LADDER		C59 A10	4		
B-2 B-2	1 2	6240-00-155-8717		LAMP, INCANDESCEN		C14, C15, C16, C17, C18, C19,	1 13		
B-2	2	6240-00-155-8717	MS15570-67	LAMP, INCANDESCEN	-	C61, C62 A13, C58, C59, 26F	11		
B-2	2	6240-00-019-0877	MS15570-1251	LAMP, INCANDESCEN	C14, C15,	13 C16, C17, C18, C19,			
B-2	2	6240-00-617-0991	MS35478-1073	LAMP, INCANDESCEN	C14, C15,	C61, C62 2 C16, C17, C18, C19,			
B-2	2	6240-00-044-6914	MS35478-1683	LAMP, INCANDESCEN	-	C61, C62 C14, C15, C16, C17, C18, C19,	2		
B-2	2		1141(89315)	LAMP, INCANDESCEN	-	C61, C62 A13, C58,	2		
B-1 B-1	8 8	5340-00-9124087 5340-00-682-1508	MS21313-161 MS35647-7	PADLOCK AND CHAIN PADLOCK AND CHAIN		C59, 26F C58, C59 C58, C59,	5 5		
B-1	8	5340-00-682-1508	MS35647-7	PADLOCK AND CHAIN		140, 26F A11	4		
B-1	8	5340-00-682-1508		PADLOCK AND CHAIN		A09, A14	6		
B-1	8	MS35647-3	PADLOCK AN			A10	2		
B-1	8	MS21313-162	PADLOCK SE			1 C14, C15, C16, C18,	_		
R_1		5340-00.012.4097	MS21212 161	DADI OCK SET		C61, C62	4		
B-1 B-1	8 8	5340-00-912-4087 5340-00-291-4214		PADLOCK SET PADLOCK SET		C17, C19 C13	1		
Б-1 В-1	8	5340-00-291-4214		PADLOCK SET		C13	1		
B-1	5	5120-00-222-1904 1670-01-092-9236	(71612)78	PUNCH, DRIFT RING, TIEDOWN		C61 C61, C62	1 2		

# **SECTION II. BASIC ISSUE ITEMS**

(1)	1	(2) National	(3) Part No.	(4)	(5)	(6) USABLE	(7)	QU	(8) ANTITY
(a) Fig. No	(b) Item Date	Stock Number		Description	LOCATION	ON	QTY REQD	Rcvd	Date
B-3	2	5340-01-061-1785	11681273ROD	tarpaulin		C16, C17, C18	34		
B-3 B-3 B-3	2 2 2	5340-01-061-1785 5340-01-061-1785 5340-01-061-1785 2590-00-847-0390	11681273 11681273	ROD ROD ROD SHOE vehicle support, landing gear		tarpaulin tarpaulin tarpaulin A09, A11, A12, A13, A14, C58, C59, 140, 26F	C14, C15 C19 C19 2	36 40 40	
		2540-00-773-9385	8737178	SHOE vehicle support, landing gear		A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26F	2		
B-2	5	2590-00-856-1952	8747207	SHOE vehicle support, leveling jack		,	2		
B-1	1	2590-01-043-7892	11646249	STANĎ, JACK, LEVELING		C14, C15, C16, C17, C18, C19, C61, C62	2		
B-3	3	2540-01-098-6787	11681247	TARPAULIN, SOLAR		C14, C15, C16, C17, C18	1		
B-3 B-3	3	2540-00-946-	11684363 8477 8747551	TARPAULIN, SOLAR TARPAULIN, SOLAR		C19 A09, A12, A13, A14	1 1		
B-3 B-3 B-3	3 3 3	2540-00-050-0765 2540-01-098-6786 2540-01-111-5448 2610-00-262-8677	9772903 9040950	TARPAULIN, SOLAR TARPAULIN SOLAR TARPAULIN, SOLAR TIRE, PNEUMATIC		A11, 26F 140 C58, C59	1 1 1		
B-4	2	5180-01-042-3394	11646244	TOOL KIT composed of		C14, C15, C16, C17, C18, C19, C61, C62	1		
B-4 B-4 B-4 B-4 B-4 B-4	7 9 8 4 5 6 3		GGG-W641D3 GGG-W641D3 GGG-P471C6 GGG-W641D3 GGG-W641D3 GGG-W641D3 GGG-W636D1	HANDLE RATCHET PLIERS SOCKET 3/4 in SOCKET 15/16 in SPCKET 1 1/8 in WRENCH			1 1 1 1 1		
B-1	2	11646402	UPPER MOUN ASSEMBLY ja			C14, C15, C16, C17, C18, C19, C61, C62	2		
B-2	7	2640-00-060-3550 2640-00-810-5861 2530-00-026-0265	MS51377-1	VALVE, CAP VALVE CORE WHEEL WRENCH wheel bearing nut		Inner tube Inner tube 1 C14, C15 C16, C17, C18, C19,- C61, C62	1 1		
				B-8					

## **SECTION II. BASIC ISSUE ITEMS**

(1)		(2) National	(3) Part No.	(4)	(5)	(6)	(7)	QU	(8) ANTITY
(a) Fig. No	(b) Item Date	Stock Number		Description	LOCATION	USABLE ON CODE	QTY REQD	Rcvd	Date
B-2	7	5120-00-104-4076	10897070	WRENCH wheel bearing nutA09,	A10 A11, A12, A13, A14, C13, C58, C59, 140, 26F				
B-1	4		41W3838-30	WRENCH wheel nut	201	1			

# APPENDIX C ADDITIONAL AUTHORIZATION LIST

# Section I. INTRODUCTION

C-1. Scope	Code	Used On
This appendix lists additional items you are au-	A09	Model XM680
thorized for the support of the semitrailer.	A10	Model XM654
	A11	Model XM738
C-2. General	A12	Model XM574
	A13	Model XM574E1
This list identifies items that do not have to ac-	A14	Model XM680EI
company the semitrailer and that do not have to be	C13	Model XM822
turned in with it. These items are all authorized to	C14	Model XM844
you by CTA, MTOE, TDA, or JTA.	C15	Model XM845
	C16	Model XM847
C-3. Explanation of Listing	C17	Model XM848
	C18	Model XM849
National stock numbers, descriptions, and quan-	C19	Model XM850
tities are provided to help you identify and re-	C58	Model XM824
quest the additional items you require to support	C59	Model XM823
this equipment. If item required differs for differ-	C61	Model XM912
ent models of this equipment, the model is shown	C62	Model XM913
under the "USABLE ON" heading in the descrip-	140	Model XM739
tion column. These codes are identified as:	26F	Model XM739E1

# TM 9-2330-271-14&P

(1) NATIONAL STOCK	(2) DESCRIPTION		(3)	(4)
NUMBER	PART NO. & FSCM	USABLE ON CODE	U/M	QTY AUTH
	Non	outh orizod		
	Non a	authorized		

# APPENDIX D MAINTENANCE ALLOCATION CHART

### Section I. INTRODUCTION

### D-1. General

- a. This section provides a general explanation of all maintenance and repair functions authorized at various maintenance categories.
- b. The Maintenance Allocation Chart (MAC) in section II designates overall responsibility for the performance of maintenance functions on the identified end item or component. The implementation of the maintenance functions upon the end item or component will be consistent with the assigned maintenance functions.
- c. Section III lists the special tools and test equipment required for each maintenance function as referenced from section II.
- d. Section IV contains supplemental instructions and explanatory notes for a particular maintenance function.

### D-2. Maintenance functions.

Maintenance functions will be limited to and defined as follows: (except for ammunition MAC).

- a. Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/ or electrical characteristics with established standards through examination.
- *b. Test.* To verify serviceability by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.
- c. Service. Operations required periodically to keep an item in proper operating conditions; i.e., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases.
- *d. Adjust.* To maintain, within prescribed limits, by bringing into proper or exact position, or by setting the operating characteristics to specified parameters.
- *e. Aline.* To adjust specified variable elements of an item to bring about optimum or desired performance.
- f. Calibrate. To determine and cause corrections to be made or to be adjusted on instruments or test, measuring, and diagnostic equipments used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect

and adjust any discrepancy in the accuracy of the instrument being compared.

- g. Install. The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.
- h. Replace. The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.
- *i.* Repair. The application of maintenance services or other maintenance actions to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item or system.
- *j. Overhaul.* That maintenance effort (service/ action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards in appropriate technical publications (i.e., DMWR). Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.
- k. Rebuild. Consists of those services/actions necessary for the restoration of serviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours/miles, etc) considered in classifying Army equipments/components.

### D3. Explanation of Columns in the MAC, Section II

- a. Column 1, Group Number Column 1 lists functional group code numbers, the purpose of which is to identify components, assemblies, subassemblies, and modules with the next higher assembly.
- b. Column 2, Component/Assembly Column 2 contains the names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

- c. Column 3, Maintenance Function Column 3 lists the functions to be performed on the item listed in Column 2. (For detailed explanation of these functions, see paragraph D2).
- d. Column 4, Maintenance Category Column 4 specifies, by the listing of a work time figure in the appropriate subcolumn(s), the category of maintenance authorized to perform the function listed in Column 3. This figure represents the active time required to perform that maintenance function at the indicated category of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance categories, appropriate work time figures will be shown for each category. The work time figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) to a serviceable condition under typical field operating conditions. This time includes preparation time, troubleshooting time, and quality assurance/ quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart. The symbol designations for the various maintenance categories are as follows:

C	Operator or crew.
0	Organizational maintenance.
	Direct support maintenance.
	General support maintenance.
	Depot maintenance.

e. Column 5, Tools and Equipment Column 5 specifies, by code, those common tool sets (not

individual tools) and special tools, TMDE, and support equipment required to perform the designated function.

f. Column 6, Remarks This column shall, when applicable, contain a letter code in alphabetic order, which shall be keyed to the remarks contained in Section IV

# D-4. Explanation of Columns in Tool and Test Equipment Requirements, Section III

- a. Column 1, Reference Code. The tool and test equipment reference code correlates with a code used in the MAC, Section II, Column 5.
- b. Column 2, Maintenance Category. The lowest category of maintenance authorized to use the tool or test equipment.
- c. Column 3, Nomenclature Name or identification of the tool or test equipment d. Column 4, National Stock Number. The National stock number of the tool or test equipment.
- e. Column 5, Tool Number The manufacturer's part number.

### D 5. Explanation of Columns in Remarks, Section IV

- a. Column 1, Reference Code The code recorded in column 6, Section II.
- b. Column 2, Remarks. This column lists information pertinent to the maintenance function being performed as indicated in the MAC, Section II.

### Section II.

# MAINTENANCE ALLOCATION CHART FOR SEMITRAILER, VAN: ELECTRONIC, XM574, XM574E1, EX654, XM680 XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824,

(1)	(2)	(3)	1850, XM912, XM913 (4)			(5)	(6)	
GROUP NUMBER	COMPONENT ASSEMBLY	MAINTENANCE FUNCTION				TOOLS AND	REMARKS	
					-			
06	ELECTRICAL SYSTEM							
0608	COVER ASSEMBLY	Inspect		0 1				
		Replace		02				
	CIRCUIT BREAKER	Inspect		0 1				
		Replace		0 1				
	RECEPTACLE	Inspect		0 1				
		Replace		02				
	SWITCH	Inspect		0 1				
		Replace		02				

## **SECTION II.**

# MAINTENANCE ALLOCATION CHART FOR SEMITRAILER, VAN: ELECTRONIC, XM574, XM574E1, EX654, XM680 XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM850, XM912, XM913

(1)	(2)	(3)			(4)			(5)	(6)
GROUP		MAINTENANCE	MA	INTEN	<u>IANCE</u>	I FVFI		TOOLS AND	
NUMBER	COMPONENT ASSEMBLY	FUNCTION	С	0	F	Н	D	EQUIPMENT	REMARKS
0609	LAMP	Inspect	0 1						
	LIGHT	Replace Inspect	02	0.1					
	2.0	Replace		0.2					
0613	WIRING HARNESS,	Inspect		0.1					
	MAIN AND ROOF	Test		03					
		Replace Repair			3.0				
	ELECTRICAL LEAD	Inspect		0 1	40				
	ASSEMBLY	Test		03					
		Replace			20				
	WIDING HARNESS BOLLY	Repair			3 0				
	WIRING HARNESS, DOLLY MAIN	Inspect Test		01					
	WAIN	Replace		0 3	3.5				
		Repair			45				
	WIRING HARNESS, DOLLY	Inspect		0 1					
	TAIL-LIGHTS	Test		03	10				
		Replace Repair			1.0				
	CABLE ASSEMBLY, INTER-	Inspect		0 1	2.0				
	CONNECTION	Test		0.3					
		Replace			0.2				
11	AXLE	Repair			0.5				
1100	AXLE ASSEMBLY	Inspect		0.5					
		Replace			8.0				
	AXLE & BRACKET	Inspect	0 5						
	ASSEMBLY	Replace			6.0 7.0				
	BEARING, SPRING SEAT	Repair Inspect		03	7.0				
		Replace		0.5					
12	BRAKES								
1202	SHOE ASSEMBLY	Inspect		0.5					
		Adjust Replace		05					
1204	CYLINDER, MASTER	Inspect		0.2					
0.		Service		0.2					
		Replace		0.2					
	CYLINDER, WHEEL	Replace		1.5					
	TUBE ASSEMBLY	Inspect Test		0.1					
		Replace		0.1					
1208	CHAMBER, AIR	Inspect		0.1					
		Test		0.5					
	VALVE, RELAY	Replace Inspect		0.3					
	VALVE, IXELAT	Test		0.1					
		Replace		0.0					
		D-3							
Į.		1 13-5	1	ı	1	ı	i	1	1

## **SECTION II.**

# MAINTENANCE ALLOCATION CHART FOR SEMITRAILER, VAN: ELECTRONIC, XM574, XM574E1, EX654, XM680 XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM850, XM912, XM913

(1)	(2)	(3)	1030, 7	<u> VIVIƏ I.</u>	<u>∠, ∧ıvı</u> (4)	913		(5)	(6)
GROUP		MAINTENANCE	MA	INTEN	ANCE	LEVEL		TOOLS AND	
NUMBER	COMPONENT ASSEMBLY	FUNCTION	С	0	F	Н	D	EQUIPMENT	REMARKS
1208	HOSE, AIR  RESERVOIR, AIR  COCK, DRAIN	Inspect Test Replace Inspect Replace Inspect Test		01 02 20 01 02 01 01					
	COUPLING, AIR	Replace Inspect0 1 Replace	0 1	01					
13 1311	WHEELS BEARING, HUB  SEAL, OIL BRAKE DRUM	Inspect Adjust Replace Replace Inspect		03 02 02 03 05				Wrench Replacer	
1313	WHEEL TIRE	Replace Replace Inspect Replace Repair Repair	05	03 02 10 10 05					
15	FRAME & TOWING ATTACHMENTS			0 1					
1503 1504	PINTLE  CARRIER, SPARE TIRE/WHEEL	Inspect Replace Inspect Replace		02 01 03					
1506	KINGPIN, AIR MOUNTED PLATE, PINS, SLEEVES & BUSHINGS SPRING, AIR	Repair Replace Inspect		05 05 02					
	VALVE, HEIGHT CONTROL	Replace Inspect Adjust Replace		10 01 02 03					
	ROD, BALL JOINT SHOCK ABSORBER KINGPIN, RESILIENT	Replace Inspect Replace Inspect		03 01 02 01					
1507	FIFTH WHEEL PLATE ASSEMBLY LANDING GEAR, SWING-UP	Replace Inspect		10					
	LANDING GEAR, RIGID	Replace Inspect Replace		05 02 05					
	BEARING CEAR REVEL	Inspect Replace			03				
	GEAR, BEVEL GEAR CLUSTER	Inspect Replace Inspect			05 10 03				
	LEG ASSEMBLY, UPPER	Replace Inspect Replace			05 03 25				
		D4							

### **SECTION II.**

# MAINTENANCE ALLOCATION CHART FOR SEMITRAILER, VAN: ELECTRONIC, XM574, XM574E1, EX654, XM680 XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM850, XM912, XM913

(1)	(2)	(3)	//850, XM912, XM913 (4)			(5)	(6)		
GROUP		MAINTENANCE	MAINTENANCE LEVEL			TOOLS AND			
NUMBER	COMPONENT ASSEMBLY	FUNCTION	С	0	F	Н	D	EQUIPMENT	REMARKS
1507	SCREW	Inspect Replace			0 5 1 5				
	LEVELING JACK	Inspect Replace			0 1 0 3				
16	SPRINGS & SHOCK ABSORBERS								
1601	AIR SUSPENSION SYSTEM AIR SPRING	Inspect Replace		02					
	VALVE, HEIGHT CONTROL	Inspect Adjust		0 1 0.2					
	ROD, BALL JOINT	Replace Replace		03					
	SHOCK ABSORBER	Inspect Replace		0 1 0 3					
	TORSION BAR & BUSHINGS TANDEM SUSPENSION SPRINGSInspect0.1	Replace		05					
	_	Replace			1.5				
	TORQUE RODS	Inspect Replace		0.1 0.2					
18 1801	BODY HINGE, DOOR	Inspect		0 1					
		Replace		02					
	CLUTCH, DOOR	Inspect Replace		02					
	LOCK ASSEMBLY	Inspect		02					
	SEAL, DOOR	Replace Replace		02					
1812	ACCESS OPENINGS	Replace							
	HINGE, COVER, SHIELD	Inspect Replace		0.1 0.2					
	SCREEN	Inspect		01					
	SEAL	Replace Inspect		0.2 0.1					
		Replace		02					
22	BODY, CHASSIS ACCESSORY ITEMS								
2202	REFLECTOR	Replace		02					
	LEVEL	Inspect Replace		0.1 0.2					
2210	DATA PLATE	Replace		0.2					
52	AIR CONDITIONER COMPONENTS								
5200	SHOCK MOUNT	Inspect Replace		0 1 0 5					
5247	HEATING ELEMENT	Inspect		01					
		Test Replace		0 1 0 2					
		D-5							

### SECTION III. TOOL AND TEST EQUIPMENT REQUIREMENTS

SEMITRAILER, VAN: ELECTRONIC, XM574, XM574E1, EX654, XM680 XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM850, XM912, XM913

TOOL OR TEST EQUIPMENT REF CODE	MAINTENANCE CATEGORY	NOMENCLATURE	NATIONAL/NATO STOCK NUMBER	TOOL NUMBER
1	0	Wrench	5120-00-169-4586	
2	0	Replacer		7950186

### Section IV. REMARKS

SEMITRAILER, VAN: ELECTRONIC, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913

REFERENCE CODE	REMARKS
3352	

### APPENDIX E

# ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

### Section I. INTRODUCTION

### E-1. Scope.

This manual lists spares and repair parts, special tools, and other special support equipment required for the performance of organizational, direct support and general support maintenance of semitrailer, van: electronic, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM849, XM850, xM912, XM913.

### E-2. 'General.

This repair parts and special tools list is divided into the following sections:

- <u>a.</u> <u>Section II.</u> <u>Repair Parts List</u>. A list of spares and repair parts authorized for use in the performance of maintenance at the organizational, direct support and general support levels. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence.
- <u>b</u>. <u>Section III. Special Tools List</u>. A list of special tools, TMDE, and other support equipment authorized for the performance of maintenance at the organizational, direct support and general support levels.
  - c. Section IV. National Stock Number and Part Number Index.
- 1. A list in national item identification (NIIN) sequence, as shown in the third column from the left of all national stock numbers (NSN) appearing in the listing:

	Figure	Item
Stock Number	No.	No.
5310-00-001-1255	55	9
4730-00-011-3176	61	3
4730-00-011-6452	62	1

	Figure	Item
Stock Number	No.	No.
5360-00-025-8210	42	4
5340-00-052-2242	45	54
5305-01-004-9121	5	30
2540-01-025-4800	40	24
2510-01-055-9653	38	15

2. A list in alphanumeric sequence of all parts appearing in the listings. The order of precedence is alpha letters, then numbers from left to right, regardless of the number of columns involved, as shown below:

Part		Fig.	Item
Number	FSCM	No.	No.
AN365D1024	88044	53	3
AN910-4D	88044	60	9
CPR102321-1	19207	26	2
MS15001-1	96906	32	4
11681672	19207	36	22
120460	21450	61	7
1227D914X	78500	23	12
28716	70334	61	18
42C15120-205	81348	32	13
426141	21450	65	17

3. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

# E-3. Explanation of Columns.

- a. Illustration. This column is divided as follows:
  - 1. Figure Number. Indicates the figure number of the illustration on which the item is shown.
  - 2. Item Number. The number used to identify each item called out in the illustration.
- b. Source, Maintenance and Recoverability Codes (SMR).
- 1. <u>Source Code</u>. Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

PB	Item procured and stocked for insurance purpose because	essentiality dictates that a minimum
	quantity	
	be available in the supply systems.	
PC	Item procured and stocked and which otherwise would be coded	PA except that it is deteriorative in
	nature.	
PD	Support item, excluding support equipment, procured for initial	
	subsequent or additional initial issues or outfittings Not su	
PE	Support equipment procured and stocked for initial issue or out	fitting to specified maintenance repair
	activities.	
PF	Support equipment which will not be stocked but which will	be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support	for the life of the equipment It is
	applied to an	
	item peculiar to the equipment which, because of probable dis	continuance or shutdown of production
	facilities, would prove uneconomical to reproduce at a later time	
KD	An item of depot overhaul/repair kit and not purchased separa	ately Depot kit defined as a kit that
	provides	
	items required at the time of overhaul or repair.	
KF		
	Maintenance kit defined as a kit that provides an item that	can be replaced at organizational or
	intermediate levels of maintenance.	
		enance kit.
	ltem to be manufactured or fabricated at organizational level.	
	ltem to be manufactured or fabricated at the direct support	maintenance level.
	ltem to be manufactured or fabricated at the general support	maintenance level.
	Item to be manufactured or fabricated at the depot maintenance	e level.
	ltem to be assembled at organizational level.	
	ltem to be assembled at direct support maintenance level.	
	ltem to be assembled at general support maintenance level.	
	ltem to be assembled at depot maintenance level.	
XA	Item is not procured or stocked because the requirements for	the item will result in replacement of
	next	
	higher assembly.	

XBXC	Item is not procured or stocked If not Installation drawing, diagram, instruction	•	_	, requisition. drawing, that is identified by
	manufacturer's part number.			,
XD	A support item that is not stocked channels.	When required,	item	will be procured through normal supply

#### NOTE

Cannibalization or salvage may be used as a source of supply for any item coded above, except those coded XA and aircraft support items as restricted by AR 70042.

- <u>2</u>. <u>Maintenance Code</u>. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:
- <u>a.</u> The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	Application/Explanation	
C	Crew or operator maintenance performed within organizational	maintenance.
O	Support item is removed, replaced, used at the organizational	level.
F	Support item is removed, replaced, used at direct support	level.
Н	Support item is removed, replaced, used at general support	level.
D	Support items are removed, replaced, used at depot, mobile	depot, or specialized repair activity only.

<sup>&</sup>lt;u>b</u>. The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

## Application/Explanation

OThe lowest maintenance level capable of complete repair of the support item is the organizational	J
level.  FThe lowest maintenance level capable of complete repair of /the support item is the direct support level.	t
level.  HThe lowest maintenance level capable of complete repair of the support item is the general support item.	ort
level.  DThe lowest maintenance level capable of complete repair of the support item is the depot level, performed	
by depot, mobile depot, or specialized repair activity.  LRepair restricted to designated specialized repair activity.	
ZNonrepairable No repair is authorized.  BNo repair is authorized The item may be reconditioned by adjusting, lubricating, etc at the	ne
user level No  parts or special tools are procured for the maintenance of this item.	

unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Code

Definition

Z.......Nonreparable item

When unserviceable, condemn and dispose at the level indicated in position 3.

O......Reparable item When uneconomically reparable, condemn and dispose at organizational level.

F......Reparable item When uneconomically reparable, condemn and dispose at the direct support level.

H......Reparable item When uneconomically reparable, condemn and dispose at the general support level.

D. Reparable item When beyond lower level repair capability, return to depot Condemnation and

Recoverability Code. Recoverability codes are assigned to support items to indicate the disposition action on

D Reparable item When beyond lower level repair capability, return to depot Condemnation and disposal not authorized below depot level.

L......Reparable item Repair, condemnation and disposal not authorized below depot/specialized repair activity level.

c National Stock Number Indicates the National stock number assigned to the item which will be used for requisitioning purposes.

<u>d. Part Number</u>. Indicates the primary number used by the manufacturer which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

#### NOTE

When a stock numbered item is requisitioned, the item received may have a different part number than the part being replaced

- e. Federal Supply Code for Manufacturers (FSCM) . The FSCM is a five digit numeric code listed in SB 70842 which is used to identify the manufacturer, distributor, or Government agency, etc.
- <u>f.</u> <u>Description</u> Indicates the Federal item name and a description to identify the item Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column.
- g. <u>Unit of Measure (U/M)</u>. Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two character alphabetical abbreviation (e.g., EA, IN, FT, etc.) When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.
- <u>h</u>. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable (e.g., shims, spacers, etc.).

### E-4. Special Information.

<u>a</u>. Usable on codes are shown in the description column Uncoded items are applicable to all models Identification of the usable on codes used in this publication are:

Code	Used On	Code	Used On
A09	XM680	C17	XM848
A10	XM654	C18	XM849
All	XM738	C19	XM850
A12	XM574	C58	XM824
A13	XM574E1	C59	XM823
A14	XM680E1	C61	XM912
C13	XM822	C62	XM913
C14	XM844	140	XM739
C15	XM845	26F	XM739E1
C16	XM847		

- <u>b</u>. Detailed manufacture instructions for items source coded "M" are found in the maintenance portion of this manual. Bulk materials required to manufacture items are listed in the Bulk Material group of this manual.
- <u>c</u>. Detailed assembly instructions for items source coded "A" are found in the maintenance portion of this manual. Assembly components are listed immediately following the item to be assembled.

### E-5. How to Locate Repair Parts.

- a. When National Stock Number of Part Number is Unknown.
- <u>1</u>. <u>First</u>. Using the table of contents, determine the functional group or functional subgroup within which the item belongs. This is necessary since illustrations are prepared for functional groups or functional subgroups and listings are divided into the same groups.
  - <u>2</u>. <u>Second</u>. Find the illustration covering the functional group or functional subgroup to which the item belongs.
  - 3. Third. Identify the item on the illustration and note the illustration figure and item number of the item.
  - 4. Fourth. Using the Repair Parts Listing, find the figure and item number noted on the illustration.
  - b. When National Stock Number or Part Number is Known.
- <u>1</u>. <u>First</u>. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National Stock Number or part number. This index is in NIIN sequence, followed by a list of part numbers in ascending alphanumeric sequence, cross-referenced to the illustration figure number and item number.
  - 2. Second. After finding the figure and item number, locate the figure and item number in the Repair Parts List.

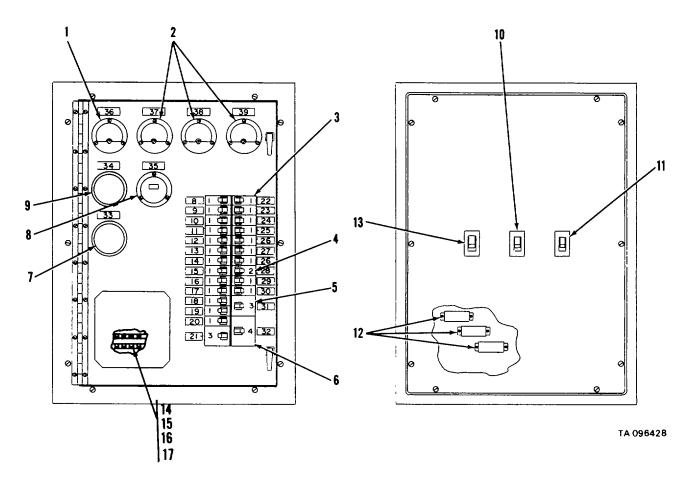


Figure 1. Electrical distribution panel, XM822.

SECTION II 1W 9-2530-271							<i>i</i> 1-1.	<del>τ</del> αι
ILLUST		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY
(a) FIG NO.	(b) ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	PAOZZ PADZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	6625-01-029-8364 6625-01-030-2089 5925-00-850-6432 5925-00-400-1561 5925-01-030-6240 6685-00-924-2288 5925-00-019-0103 5925-01-030-2959 5305-00-958-4357 5925-00-030-2960 5305-00-958-4357 5310-00-045-3299 5175-00-080-4554 5940-00-244-9749	55026 55026 30086 30086 30086 61349 30086 30086 96906 89020 89020	55-AC-V-0-250 55-0-200AMPAC EQ-P9412 EQ-P9413 Q230 EQ-P9434 138000 31-FX-SK-50(58-62) 11848 ET-2718 ET-2714 JCW-O ET-4746 MS35207-242 MS35338-42 MD524 530	GROUP 06 ELECTRICAL SYSTEM  GROUP 0607 ELECTRICAL DISTRIBUTION  VOLTMETER	EAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1 3 22 1 2 1 1 1 1 3 1 8 18 21 1

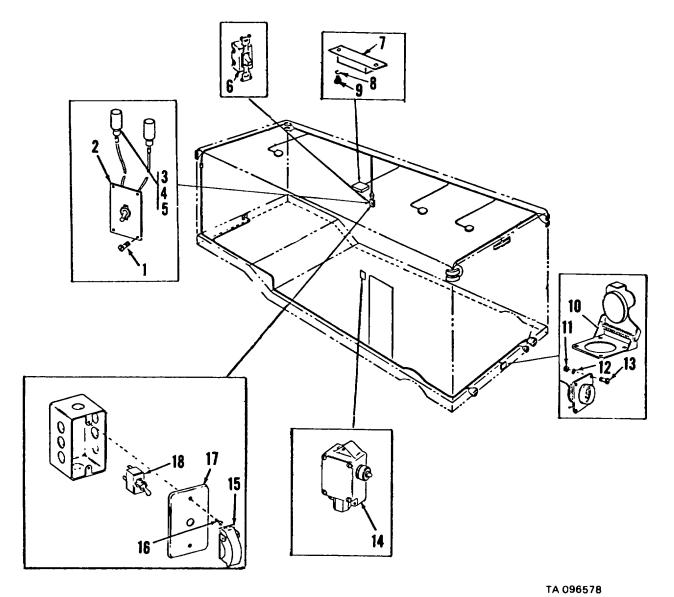


Figure 2. Intervehicular cable receptacle cover and switches, 24-volt.

	· · · · · · · · · · · · · · · · · · ·	(0)	(0)	(4)	<b>(5)</b>	(0)	( <del>7</del> )	(0)
ILLUST	1) Ration	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)	01.5	NATIONAL		B.5.			QTY
NO.	NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC IN UNIT
(a) FIG	(b) ITEM NO.  1 1 2 3 4 5 6 7 8 9 10 11 11 11 12 12 13 13 13 14 11 16 17	PAOZZ	STOCK	96906 81349 19207 19207 19207 96906 40670 96256 96906 96906 96906 96906 96906 96906 96906 96906 96906 91929 19207 96906 40670 15605	PART NUMBER  M51861-27 M24243-1-F402 8747247 8338566 8330567 MS27141-2 34861033 27F23 MS35649-82 MS35331-42 7731420 MS51967-2 MS51967-2 MS51967-2 MS35333-40 MS35206-286 MS35206-286 MS35206-284 BZ-7RQT04 5343622 MS35206-247 3486997 8803-K6		EA EA EA FEA EA	INC IN
					E-1	1		

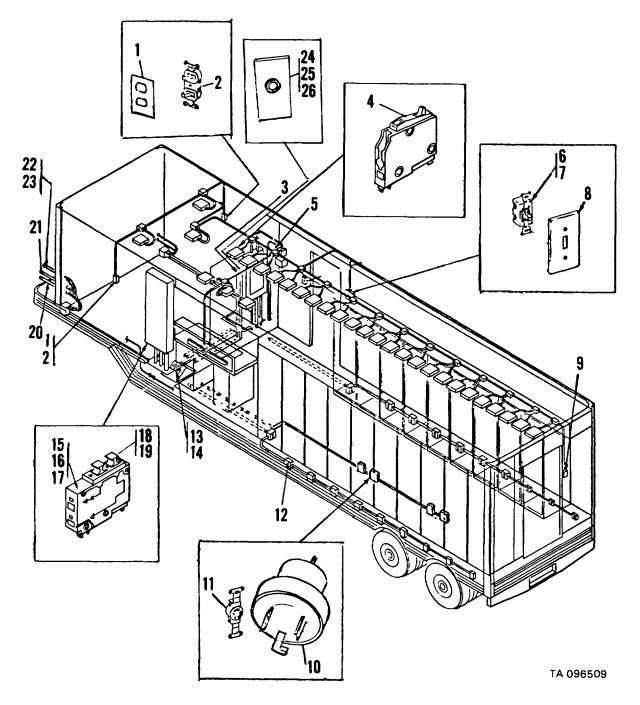


Figure 3. Switches, receptacles, circuit breakers, 110/220-volt, XM654.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	RATION (b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
333333333333333333333333333333333333333	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 21 22 23 24 25	XDOZZ PAOZZ PAOZZ XDOZZ PAOZZ XDOZZ PAOZZ XDOZZ PAOZZ XDOZZ PAOZZ	5975-00-538-6260 5935-00-918-4176 5975-00-280-3510 5935-00-853-1531 4320-00-273-0853 5975-01-098-0277 5935-01-111-7615 5935-01-112-8716 5925-01-124-8483 5925-01-120-9104 5925-01-030-2960 5935-00-827-5658 5935-00-839-9681 5935-00-834-4904 5975-01-098-0278 6210-00-863-0686	11419 40670 74545 40670 96906 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 40670 696906 96906 96906 96906 96906 96906 96906	D-8 3234977 92071 3234978 MS3100R20-7P 3234980 3234779 32341013 32341012 7311 3234985 32341041 3234991-2 3234991-1 3234976 3234975 32341054 ET4746 MS3106A22-22S0 MS3106R32-17S MS3106R18-1P 1347 32341015 34861040	PLATE, WALL, ELECTRIC	E	2 2 1 30 2 2 1 1 1 42 43 23 1 1 1 1 2 2 2 2 2 1 1 1

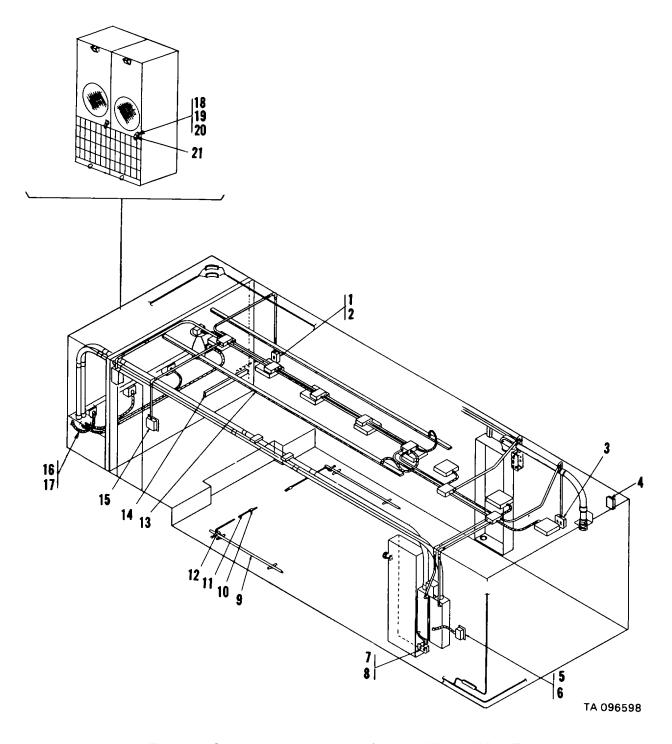


Figure 4. Switches, receptacles, 110/220-volt,XM680,XM680E1.

	,	(6)	(6)	(4)	(5)	(0)	(=)	(O)
(1 ILLUSTR		(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG	(b)	SMR	NATIONAL STOCK		PART			QTY INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN UNIT
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	XDOZZ PBOZZ XDOZZ PBOZZ PAOZZ PAOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5975-00-682-0561  5315-00-616-5522 5935-01-017-3290 5975-01-020-5017 5935-01-012-3080 5975-00-844-1066 5975-00-905-1498  5935-00-918-4205 5305-00-885-0690 5310-00-045-3299 5935-00-137-4670	40670 74545 40670 73740 40670 11419 40670 19207 81349 90190 40670 40670 40670 96906 96906 96906	3234980 97071 34861046 3790 34611049 S72 34861032 4929 3486029 7612227 MIL-W-3861 7560 34861027 34861026 3234979 34861001 31861003 MS24629-36 MS35338-42 MS310022-22S MS25043-22D	SWITCH,TOGGLE	E A A A A A A A A A A A A A A A A A A A	1 1 1 2 2 1 1 1 1 1 2 2 2 2 7 1 4 2 2 2 1 6 1 6 1 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4

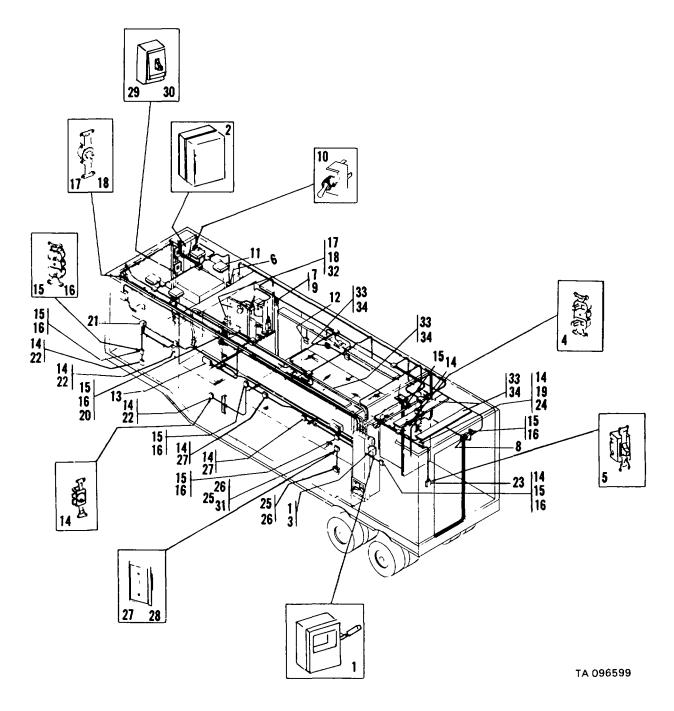


Figure 5. Switches, receptacles, circuit breakers, 110/220-volt,XM822.

(ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC IN Unit
5. 555555555555555555555555555555555555	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34	XDOZZ PAOZZ	6110-00-161-0404 5930-00-455-2748 5930-00-455-3418 5930-00-868-4221 5975-00-280-3510 5930-00-636-1285 5930-00-615-6731 5975-00-682-0560 5975-01-018-9759 5935-00-112-4416 5935-01-030-5093 5935-01-030-5093 5935-01-030-5093 5935-01-013-3757 5975-00-878-4865 5975-00-965-8334 5975-01-020-5017 5975-00-073-4341 5935-01-062-5625 5925-00-080-2163 5920-00-284-6787 5920-00-280-8342 5920-01-036-5952 5920-00-892-9311	19207 19207 19207 19207 19207 19207 19207 81319 11419 40670 19207 81348 81348 19207 19207 81349 49367 11419 11410 11419 11410	11683261 11683244 11683245 11683245 11683247 11683247 11683247 11683260 11683260 11683260 11683241 11683241 11683241 11683241 11683241 11683241 11683241 11683241 11683211 3760 11646058 11646100 11683239 WC375/03-006 Q0115 FO2A250V5A AGC1A HKP FHN26G1	CONTACTOR MAGNETIC 208-220 VOLTS 45 AMPS C13 SWITCH, TOGGLE		l

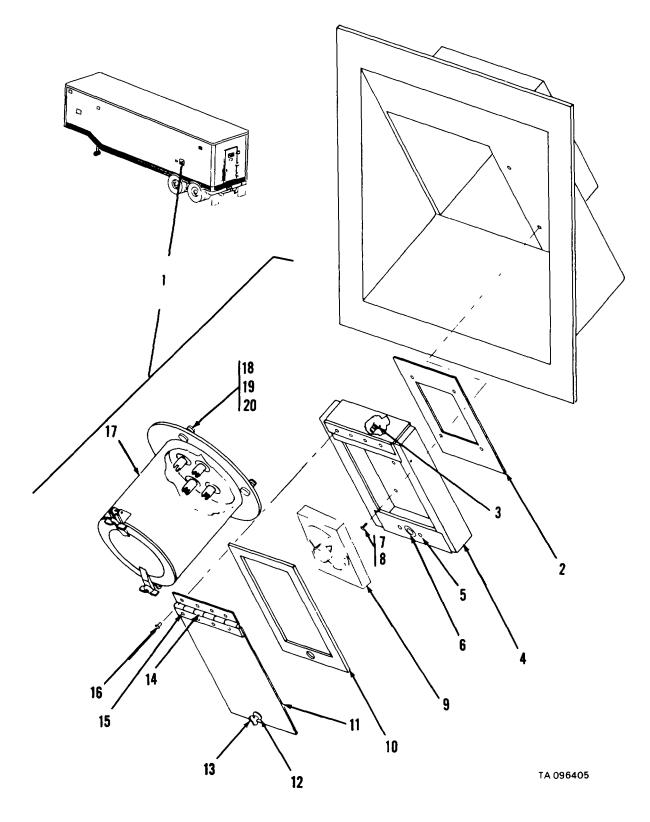


Figure 6. Input power receptacle and timer, XM822.

(1)	,	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTR/	ATION	ν-/		(*)	(0)	DESCRIPTION	``	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
666666666666666666666666666666666666666	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	XDOZZ PAOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ XDOZZ PAOZZ XDOZZ PAOZZ	5330-00-001-7859  5320-00-638-8619 5325-01-031-8998 5310-00-807-1467 5305-00-984-7342 6645-00-001-1256  5330-00-025-7134  5325-00-826-3620 5325-00-624-9931 5340-01-030-2844 5320-00-582-3494 5320-00-957-1428  5310-00-880-7744 5310-00-407-9566 5305-00-225-9081	19207 19207 01364 19207 88044 19207 96906 96906 19207 19207 71216 40670 96906 96906 96906 96906 96906	11683017 11683137 60F6100 1163133 AN426A4-8 7327426-2 MS21042-3 MS3191-214 11683237 11683136 11683142 10907044-5 4002-15W 11683143 MS2060014-4 MS20605AD4W5 11683240 MS51967-5 MS35338-4 MS9072-36	RECEPTACLE C13 • NUTT,PLAIN,HEXAGON C13 • WASHER,LOCK C13 • SCREW,CAP,HEXAGON H C13	EAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1 1 1 1 1 2 1 4 4 1 1 1 1 4 4 4 4 4 4 4

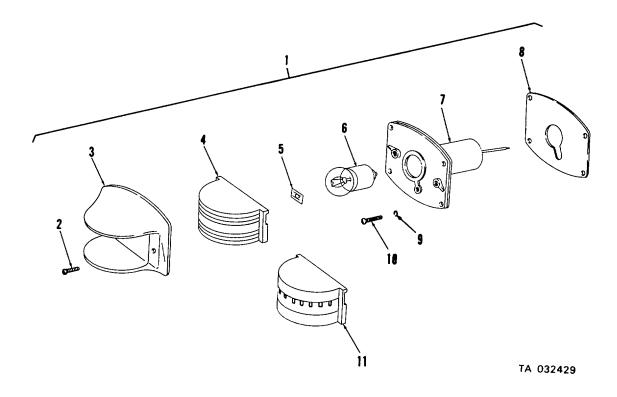


Figure 7. Marker clearance light.

		(2)	(-)		(=)			(2)
LLUST	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DEGGINII IIGN		QTY
FIG	ITEM	SMR	STOCK	FCCM	PART	LICADI E ON CODE	U/M	INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE		IN Unit
7		PAOZZ	6220-00-577-3434	96906	MS35423-1	LIGHT, MARKER, CLEAR A AMBER SERVICE A09,A14	EA	2
7	1	PAOZZ	6220-00-577-3434	96906	MS35423-1	LIGHT, MARKER, CLEAR A	EA	4
7		PAOZZ	6220-00-726-1916	96906	MS35423-2	LIGHT, MARKER, CLEAR A RED SERVIC A09,A14	EΑ	2
7	1	PAOZZ	6220-00-726-1916	96906	MS35423-2	LIGHT, MARKER, CLEAR A	EA	5
7	1	PAOZZ	6220-00-577-3435	96906	MS35424-1	LIGHT, MARKER, CLEAR A	EA	2
7	1	PAOZZ	6220-00-727-3288	96906	MS35424-2	LIGHT, MARKER, CLEAR A	EA	2
7		PAOZZ	5305-00-958-5246	96906	MS35190-289	• SCREW, MACHINE	EΑ	16
7 7		PAOZZ PAOZZ	5305-00-958-5246 5305-00-958-5246	96906 96906	MS35190-289 MS35190-289	• SCREW, MACHINE	EA EA	18 26
7		PAOZZ		4000	7526516	C58,C59,140,26F • DOOR	EA	8
7	3	PAOZZ	6220-00-752-6516 6220-00-752-6516	1920 19207	7526516	• DOOR	EA	9
7	3	PAOZZ	6220-00-752-6516	19207	7526516	• DOORA10,A11,A12,A13,C16,C17,C18,C19,C58,C59,	EA	13
7		PAOZZ	6220-00-752-7425	96906	MS35421-1	• LENS, LIGHT	EA	2
7		PAOZZ	6220-00-752-7425	96906	MS35421-1	• LENS LIGHTA10,A11,A12,A13,C13,C14,C15,C16, C17,C18,C19,C58,C59,C61,C62,140,26F	EA	4
7 7		PAOZZ PAOZZ	6220-00-752-7426 6220-00-752-7426	96906 96906	MS35421-2 MS35421-2	• LENS, LIGHT	EA EA	2 5
						C17,C18,C19,C58,C59,C61,C62,140,26F		
7 7		PAOZZ PAOZZ	5310-00-596-8169 5310-00-596-8169	19207 19207	7526796 7526796	• PUSH ON NUT	EA EA	8 9
7	5	PAOZZ	5310-00-596-8169	19207	7526796	• PUSH ON NUTA10,A11,A12,A13,C13,C14,C15,C16, C17,C18,C19,C58,C59,140,26F	EA	13
7 7		PAOZZ PAOZZ	6240-00-019-0877 6240-00-019-0877	96906 96906	MS15570-1251 MS15570-1251	• LAMP,INCANDESCENT	EA EA	8 9
7		PAOZZ	6240-00-019-0877	96906	MS15570-1251	• LAMP,INCANDESCENTA10,A11,A12,A13,C13,C14, C15,C16, C17,C18,C19,C58,C59,C61,C62,140,26F	EA	13
7 7		PAOZZ PAOZZ	6250-00-371-4018 6250-00-371-4018	19207 19207	7526515 7526515	• PLATE, MOUNTING, LAMP	EA EA	8 9
7		PAOZZ	6250-00-371-4018	19207	7526515	• PLATE, MOUNTING, LAMPA10,A11,A12,A13,C13,C14, C15,C16, C17,C18,C19,C58,C59,C61,C62,140,26F	EA	13
7 7		PAOZZ PAOZZ	5330-00-353-0959 5330-00-353-0959	19207 19207	7526515 7526515	• FELT,MECHANICAL, PRE	EA EA	8 9
7		PAOZZ	5330-00-353-0959	19207	7526515	• FELT MECHANICAL	EA	13
7		PAOZZ	5310-00-559-0070	96906	MS35333-38	• WASHER,LOCKA09,A14	EΑ	32
7 7		PAOZZ PAOZZ	5310-00-576-5752 5310-00-576-5752	96906 96906	MS35333-39 MS35333-39	• WASHER,LOCK	EA	36
7	10	PAOZZ	5305-00-432-4172	96906	MS51861-37	C15,C16, C17,C18,C19,C58,C59,140,26F • SCREW,TAPPING,THREA	EA	32
7		PAOZZ	5305-00-855-0964	96906	MS24629-48	• SCREW,TAPPING	EA	36
					E-2	1		

ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
7 7 7	11	PAOZZ PAOZZ PAOZZ	5305-00-855-0964 6220-00-752-5992 6220-00-752-5993	96906 96906 96906	MS24629-48 MS35420-1 MS35420-2	SCREW,TAPPING,THRE	EA EA	52 2 2
					E-22(E-23	BLANK)		

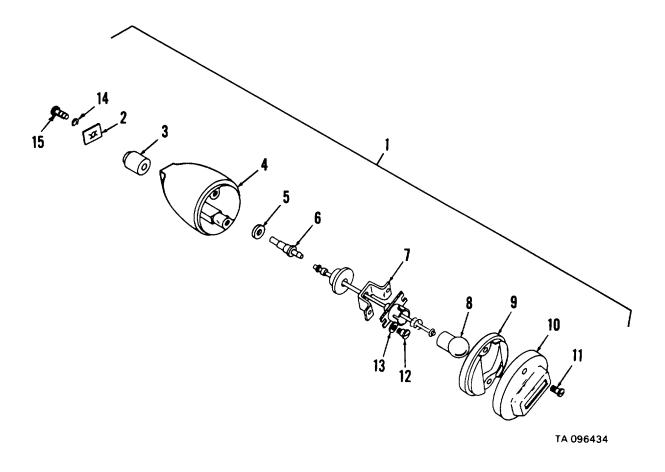


Figure 8. Blackout stoplight, XM574,XM574EI,XM654,XM680,XM680E1, XM739,XM739E1,XM822,XM823,XM824.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
8	1	PAOZZ	6220-00-846-9745	96906	MS51302-1	STOP LIGHT, VEHICULA	EA	1
8	2	PAOZZ	5310-00-720-8208	19207	8687084	C58,C59,140,26F • PUSH ON NUTA09,A10,A11,A12.A13,A14.C58,	EA	1
8	3	PAOZZ	6220-00-906-0159	19207	7982399	C59,140,26F • BOOT,DUST AND MOISTA09, A10,A11,A12,A13,A14,	EA	1
8	4	PAOZZ	6220-00-433-5966	19207	8741650	C58,C59,140,26F • HOUSING, BLACKOUT L A09,A10,A11,A12,A13,A14,	EA	1
8	5	PAOZZ	5970-00-781-9861	19207	8386475	C58,C59,140,26F • INSULATOR,WASHER		
8	6	PAOZZ	5940-00-867-5245	19207	8386477	C58,C59,140,26F • TERMINAL,FEEDTHRU .A09,A10,A11,A12.A13,A14.C58,	EA	1
8	7	PAOZZ	6240-00-741-5451	19207	8741651	C59,140,26F • LAMPHOLDER	EA	1
8	8	PAOZZ	6240-00-019-0877	96906	MS15570-1251	C59,140,26F • LAMP,.INCANDESCENTA09,A10,A11,A12,A13,A14,	EA	1
8	9	PAOZZ	5330-00-678-9047	19207	8694464	C58,C59,140,26F • GASKETA09,A10,A11,A12,A13,A14,	EA	1
8	10	PAOZZ	6220-00-775-2384	19207	8741646	C59,140,26F • DOOR ASSEMBLY,STOP A09,A10,A11,A12,A13,A14,	EA	1
8	11	PAOZZ	5305-00-764-0070	96906	MS51959-46	C59,140,26F • SCREW, MACHINEA09,A10,A11,A12,A13,A14,	EA	2
8	12	PAOZZ	5305-00-633-0785	19207	8335233	C59,140,26F • SCREW,SHOULDERA09,A10,A11,A12,A13,A14,	EA	2
8	13	PAOZZ	5310-00-732-0688	19207	7320688	C59,140,26F • WASHERFLAT	EA	2
8	14	PAOZZ	5310-00-407-9566	96906	MS35338-45	C59,140,26F • WASER,LOCK	EA	1
8	15	PAOZZ	5306-00-225-9084	96906	MS90726-29	C59,140,26F  • BOLT, MACHINEA09,A10,A11,A12,A13,A14, C59,140,26F	EA	1
						C35,140,201		
					E-2	 		

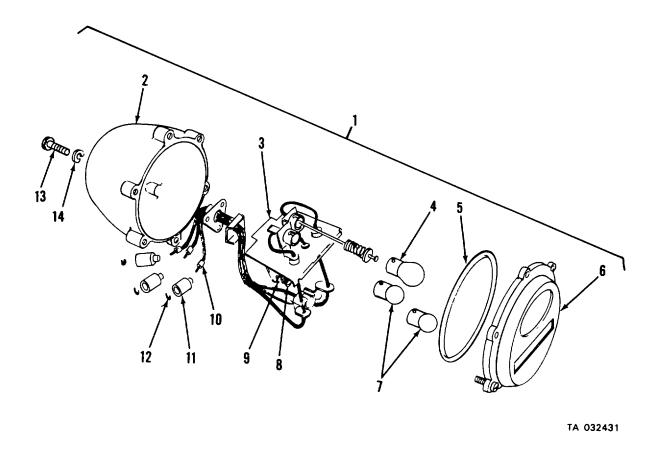


Figure 9. Stoplight, taillight, XM574,XM574E1,XM654,XM680,XM68E1,XM738,XM739,XM739E1,XM822,XM823,XM824.

(ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM No.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
9	1	PAOOO	6220-00-669-5623	19207	8378785	STOP LIGHT-TAILLIGH VEHICULAR A09,A10,A11,A12,	EA	2
9	2	PAOZZ	6220-00-500-0437	96906	MS53047-1	A13,A14,C58,C59,140,26F • LIGHT, MARKER,CLEARA	EA	1
9	3	PAOZZ	2590-00-693-3452	19207	8378661		EA	1
9	4	PAOZZ	6240-00-044-6914	96906	MS35478-1683		EA	1
9	5	PAOZZ	5330-00-297-7106	19207	7320658		EA	1
9	6	PAOZZ	6220-00-752-6020	19207	7526020		EA	1
9		PAOZZ	6240-00-019-0877	96906	MS15570-1251		EA	2
9		PAOZZ	5305-00-889-3002	96906	MS35206-242	• SCREW,MACHINE	EA	2
						A13,A14,C58,C59,140,26F		
9		PAOZZ	5310-00-045-3299	96906	MS35338-42	• WASHER,LOCK	EA	2
9		PAOZZ	5999-00-057-2929	96906	MS27148-2	• CONTACT,ELECTRICAL	EA	3
9	11	PAOZZ	5935-00-572-9180	19207	8338566	• SHELL, ELECTRICAL CO	EA	3
9	12	PAOZZ	5310-00-833-8567	19207	8338567	• WASHER, SLOTTED	EA	3
9	13	PAOZZ	5305-00-115-9526	96906	MS18154-58	• SCREW, CAP, HEXAGON H	EA	2
9	14	PAOZZ	5310-00-637-9541	96906	MS35338-46	• WASHER, LOCK	EA	2
					E-2	7		

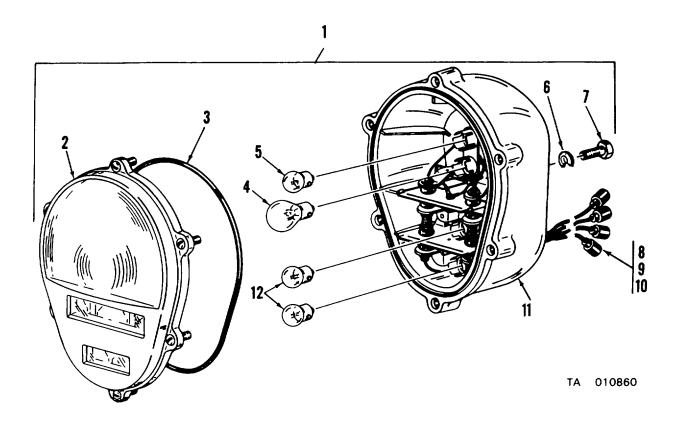


Figure 10. Composite stoplight taillight, XM822(after serial no. S2669), XM844,XM845,XM847, XM848,XM849,XM850,XM912, XM913.

(ILLUST	1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
10	1	PAOOO	6220-01-093-4439	19207	11614157	STOP LIGHT-TAILLIGH	EA	2
10	2	PAOZZ	6220-00-179-4324	19207	11639535	• LENS,LIGHT	EA	1
10	3	PAOZZ	5330-00-462-0907	19201	11639519-2	• PACKING,PREFORMED	EA	1
10	4	PAOZZ	6240-00-044-6914	96906	MS35478-1683	• LAMP,INCANDESCENT SERVICE STOP LIGHT AND TUR C13,C14,C15,C16,C17,C18,C19,C61,C62	NEA	1
10	5	PAOZZ	6240-00-019-3093	96906	MS15570-623	• LAMP,INCANDESCENT SERVICE TAILLIGHT C13,C14,C15,C16,C17,C18,C19,C61,C62	EA	1
10	6	PAOZZ	5310-00-637-9541	96906	MS35338-46	• WASHER,LOCK	EA	2
10	7	PAOZZ	5305-00-115-9526	96906	MS18154-58	• SCREW,CAP,HEXAGON H C13,C14,C15,C16,C17, C18,C19,C61,C62	EA	2
10	8	PAOZZ	5935-00-572-9180	19207	8338566	• SHELL ELECTRICAL C13,C14,C15,C16,C17, C18,C19,C61,C62	EA	4
10	9	PAOZZ	5310-00-833-8567	19207	8338567	• WASHER SLOTTED C13,C14,C15,C16,C17, C18,C19,C61,C62	EA	4
10	10	PAOZZ	5999-00-057-2929	96906	MS27148-2	CONTACT, ELECTRICAL	EA	4
10	11	PAOZZ		19207	11639520	• BODY ASSEMBLY C13,C14,C15,C16,C17, C18,C19,C61,C62	EA	2
10	12	PAOZZ	6240-00-019-0877	96906	MS15570-1251	LAMP, INCANDESCENT	EA	2
					E-2	9		

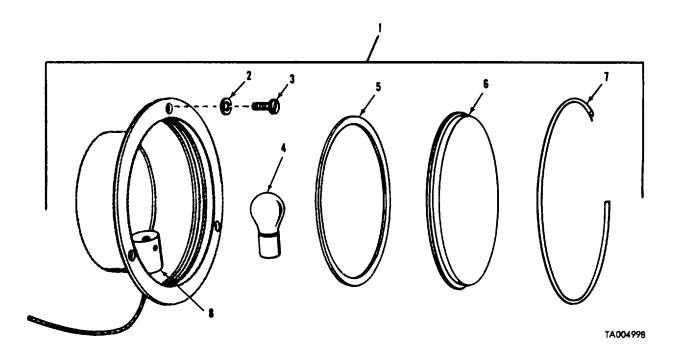


Figure 11. I.C.C. stoplight, XM654.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUST (a)	RATION (b)		NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC IN UNIT
11	1	XDOZZ		40670	3296977	STOP LIGHT, VEHICULA A10	EA	2
11	2	PAOZZ	5310-00-045-3296	96906	MS35338-43	• WASHER, LOCK A10	EA	3
11	3	PAOZZ	5305-00-432-4205	96906	MS51861-49	• SCREW, TAPPING, THREA A10	EA	3
11	4	PAOZZ	6240-00-617-0991	96906	MS35478-1073	• LAMP, INCANDESCENT A10	EA	1
11	5	PAOZZ	5330-00-930-0016	40670	3296978	• GASKET A10	EA	1
11	6	PAOZZ	6220-00-835-6316	40670	3296980	• LENS, LIGHT A10	EA	1
11	7	PAOZZ	5340-01-126-1359	40670	3296981	• RING, RETAINING A10	EA	1
11	8	XDOZZ		40670	3296977-1	• SHELL AND SOCKET AY A10	EA	1
					E-3	1		

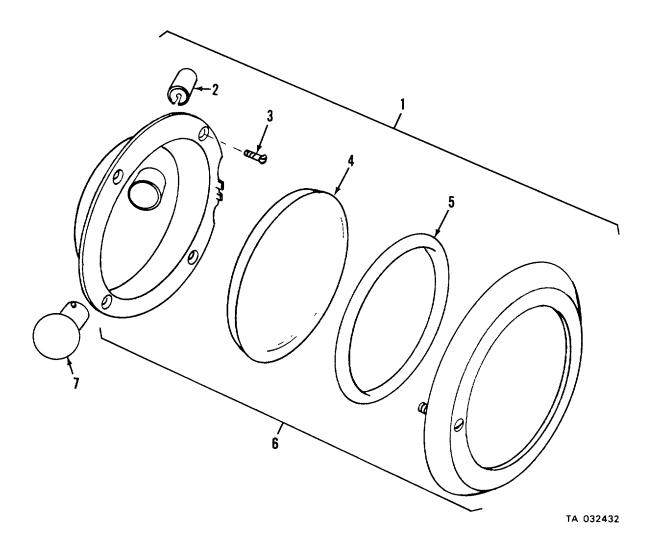


Figure 12. Dome light, 24-volt (all models except XM912,XM913)

(ILLUST	(1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
12	1	PAOZZ	6220-01-003-2497	19207	10923539	LIGHT,DOMEA11,A12,A13,C13,C14,C15,C16,C17, C18,C19,C58,C59,140,26F	EA	3
12	1	PAOZZ	6220-01-003-2497	19207	10923539	LIGHT,DOME A10	EA	1
12	1	PAOZZ	6220-00-299-5893	19207	7092286	LIGHT,DOME REDA09,A14	EA	4
12	2	XBOZZ		19207	7092287	• SOCKET, LAMP	EA	1
12	2	XBOZZ		19207	7092287	• SOCKET, LAMPA11,A12,A13,C13,C14,C15,C16,C17, C18,C19,C58,C59,140,26F	EA	1
12	2	XBOZZ		19207	7092287	• SOCKET, LAMP	EA	1
12	3	PAOZZ	5305-00-483-0555	96906	MS51862-28	• SCREW,TAPPING,THREAA10	EA	4
12	3	PAOZZ	5305-00-483-0555	96906	MS51862-28	• SCREW,TAPPING,THREA A11,A12,A13,C13,C14,C15, C16,C17, C18,C19,C58,C59,140,26F	EA	4
12	3	PAOZZ	5305-00-483-0555	96906	MS51862-25	SCREW,TAPPING,THREA	EA	4
12	4	PAOZZ	6220-00-741-2769	19207	8327366	• LENS,LIGHTA10	EA	1
12	4	PAOZZ	6220-00-741-2769	19207	8327366	• LENS,LIGHTA11,A12,A13,C13,C14,C15,C16,C17, C18,C19,C58,C59,140,26F	EA	1
12	4	XDOZZ		40670	34861024	• LENS,LIGHT	EA	1
12	5	PAOZZ	5330-00-741-2770	19207	7412770	• SEAL,RUBBER ROUND S	EA	1
12	5	PAOZZ	5330-00-741-2770	19207	7412770	• SEAL RUBBER SPECIAL A11,A12,A13,C13,C14,C15, C16,C17, C18,C19,C58,C59,140,26F	EA	1
12	5	PAOZZ	5330-00-741-2770	19207	7412770	SEAL,RUBBER ROUND S	EA	1
12	6	XAOZZ		19207	7092290	BODY ASSEMBLY	EA	1
12	6	XAOZZ		19207	7092290	• BODY ASSEMBLY.A11,A12,A13,C13,C14,C15,C16,C17, C18,C19,C58,C59,140,26F	EA	1
12	6	XAOZZ		19207	7092290	BODY ASSEMBLYA09,A14	EA	1
12	7	PAOZZ	6240-00-044-6914	96906	MS35478-1683	• LAMP,INCANDESCENTA10	EA	1
12	7	PAOZZ	6240-00-044-6914	96906	MS35478-1683	• LAMP,INCANDESCENT A11,A12,A13,C13,C14,C15, C16,C17, C18,C19,C58,C59,140,26F	EA	1
12	7	PAOZZ	6240-00-019-3093	96906	MS35478-1683	• LAMP,INCANDESCENTA09,A14	EA	1
					E-3	3		

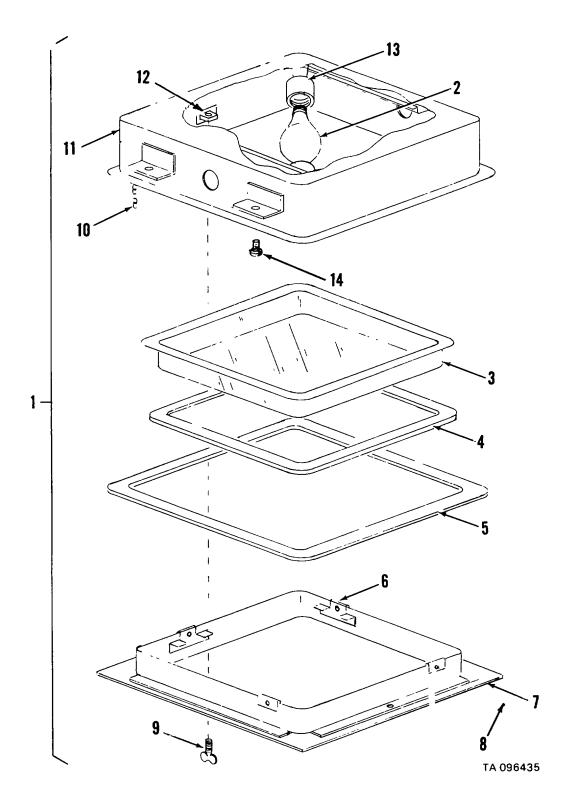


Figure 13. Dome light, 110-volt, XM654,XM680,XM680E1,XM822.

(1)	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) (b) FIG ITEM NO. NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
13	XDOZZ XDOZZ PAOZZ XDOZZ PAOZZ XDOZZ PAOZZ PAOZZ PAOZZ XDOZZ	6210-01-044-4064 6240-00-782-2052 6240-00-782-2342 5330-01-130-6348 5330-00-001-7860 5330-01-127-4032 5330-00-001-7861 5340-01-122-5417 6220-01-097-8409 5305-00-855-0964 5305-00-964-5937 5305-01-103-5716 4010-01-121-8389 5310-01-122-4599 5305-00-483-0555 5305-00-476-7369	40670 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670 19207 40670	34861022 34861022 11683161 11683160 34861041 58854-A-21 11683254 34861022-8 11683236-1 34861022-9 11683236-2 3481022-11 11683160-10 34861022-10 11683160-9 MS24629-48 MS24625-43 34861022-12 11683160-11 34861022-6 11683161-1 34861022-5 11683161-5 34861022-3 11683265 MS51862-28 MS51862-28	FIXTURE, LIGHTING	A A A A A A A A A A A A A A A A A A A	30 8 2 2 1 1 1 1 1 1 1 4 4 1 1 4 4 2 2 1 1 1 1

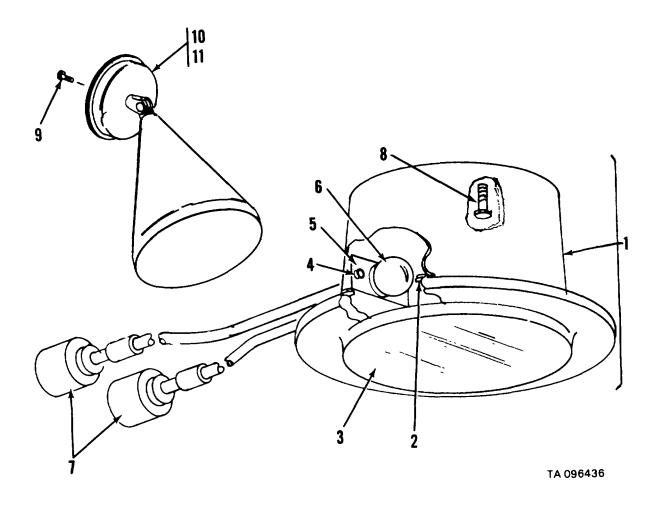


Figure 14. Blackout dome light, XM822; blackout wall light, XM680.

		<u> </u>						
( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL					QTY
FIG	ITEM		STOCK	FCOM	PART	LICADI E ON CODE		INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN Unit
14	1	PBOZZ	6220-01-043-8025	19207	11683159	LAMP UNIT, VEHICLAR DOME WITH RED LENS		
14	2	PAOZZ	5330-00-741-2770	19207	7412770	110 VOLT	EA EA	3
14	3	XDDZZ		40670	34861024	LENS; DAYLIGHT	EΑ	3
14 14		PADZZ PAOZZ	5320-00-582-3494 6250-00-299-6096	906906 13445	MS20600AD4-4 2036	RIVET, BLIND	E EA	2
14		PAOZZ	0230-00-299-0090	08108	10C70C	LAMP, INCANDESCENT CLEAR DOUBLE		'
,	_	D4077	0500 04 054 4077	40007	10011010	CONTACT C13	EA	1
14 14		PAOZZ PAOZZ	2590-01-051-1677 5305-00-483-0555	19207 96906	10944310 MS5182-28	LEAD, ELECTRICAL	EA EA	6 12
14	9	PAOZZ	5305-00-855-0967	96906	MS24629-37	SCREW, TAPPING,THREA A09	EΑ	3
14		PAOZZ	6210-01-111-0118	40670	34861028	LIGHT, BLACKOUT, WALL	EA	1
14	11	PAOZZ	6240-00-536-1851	40670	34861042	LAMP, INCANDESCENT RED A09	EA	1
					E-3	7		

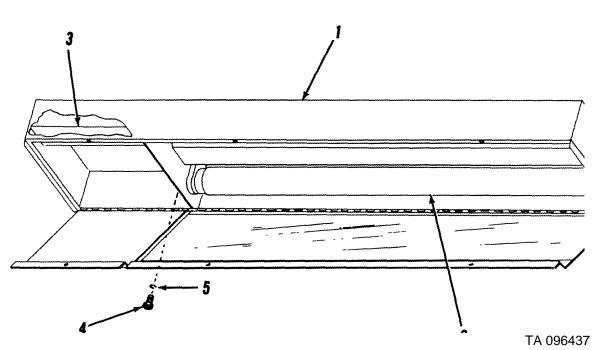
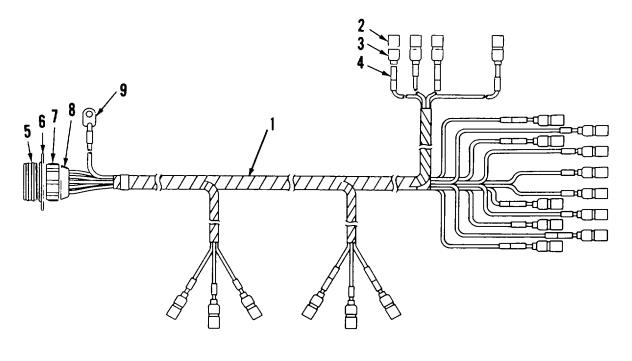


Figure 15. Fluorescent lighting fixture.

ILLUST		(2)	(3)	(4)	(5)	(6) Description	(7)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
15 15 15 15 15	2 3 4	XDOZZZ XDOZZ PAOZZ PAOZZ PAOZZ	6250-00-001-1257 5305-00-855-0964 5310-00-637-9541	19207 19207 19207 96906 96906	11683259 11683256 11683257 MS24629-48 MS35338-46	LIGHT, DOME       C13         .LAMP, FLUORESCENT       C13         .BALLAST       C13         SCREW, TAPPNG, THREA       C13         WASHER, LOCK       C13	EA EA EA EA	6 2 1 48 48
					E-3	9 9		



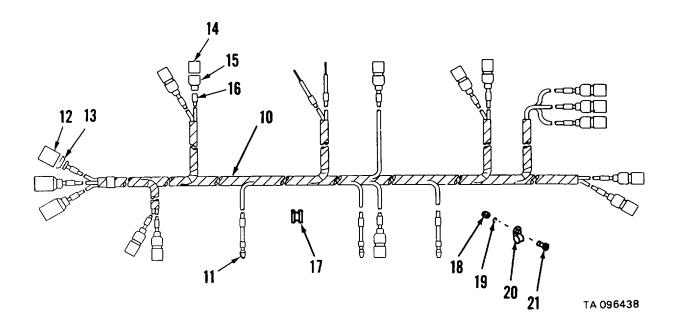


Figure 16. Wiring harness, main, XM574,XM574E1,XM680,XM680E1,XM738,XM739, XM739E1,XM823,XM824; wiring harness, roof, XM823,XM824.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 0613 CHASSIS WIRING HARNESS		
16	1	MFFZZ		19207	10882274	WIRING HARNESS BRANCHED, MAIN, MANUFACTURED		EA
16	1	MFFZZ		19207	10891478	FROM 6145-00-152-6499,495 FT	EA	1
16	1	MFFZZ		40670	9048940	WIRING HARNESS BRANCHED. MAIN MANUFACTURED		
16	1	MFFZZ		40670	9048940	FROM 6145-00-152-6499, 525 FT	EA EA	1
16	2	PAOZZ	5935-00-833-8561	19207	8338561	.SHELL,ELECTRICAL CO A09, A11, A12, A13, A14, C58, C59, 140, 26F	EA	21
16	3	PAOZZ	5970-00-833-8562	19207	8338562	.INSULATOR, BUSHING A09, A11, A12, A13 A14,		
16	4	PAOZZ	5940-00-846-5012	19207	8338563	C58, C59, 140, 26F	EA	21
16	5	PAOZZ	5935-00-846-3883	19207	8376208	C58, C59, 140, 26F	EA	21
16	6	PAOZZ	5365-00-090-5426	19207	7722333	A14, C58, C59, 140, 26F	EA	1
16	7	PAOZZ	9390-00-180-7289	19207	8724763	A14, C58, C59, 140, 26F	EA	1
16	8	PAOZZ	5310-00-393-6685	19207	7723309	A14, C58, C59, 140, 26F	EA	1
16	9	PAOZZ	5940-00-050-6209	21450	506209	A14, C58, C59, 140, 26F	EA	1
16	10	MFFZZ		40670	9048930	C58, C59, 140, 26F WIRING HARNESS BRANCHED, ROOF, MANUFACTURED	EA EA	1
16	11	PAOZZ	5999-00-057-2929	96906	MS27148-2	FROM 6145-00-152-6499, 205 FT	EΑ	3
16		PAOZZ	5935-00-572-9180	19207	8338566	.SHELL, ELECTRICAL COC58, C59	EΑ	3
16		PAOZZ	5310-00-833-8567	19207	8338567	.WASHER, SLOTTED	EΑ	3
16		PAOZZ	5935-00-833-8561	19207	8338561	.SHELL, ELECTRICAL COC58, C59	EA	13
16		PAOZZ	5970-00-833-8562	19207	8338562	.INSULATOR, BUSHINGC58, C59	EA	13
16		PAOZZ	5940-00-846-5012	19207	8338563	.FERRULE, ELECTRICALC58, C59	EA	13
16	17	PAOZZ	5325-00-174-9008	96906	MS35489-15	GROMMET, NONMETALLICA09, A10, A11, A12,	_,	
1 40	47	D 4 O 7 7	F20F 00 474 0000	00000	MC05400 45	A13, A14, C58, C59, 140, 26F	EA	64
16 16		PAOZZ PAOZZ	5325-00-174-9008 5325-00-174-9008	96906 96906	MS35489-15 MS35489-15	GROMMET, NONMETALLICC13 GROMMET, NONMETALLICC14, C15, C16, C17,	EA	66
						C18, C19, C61, C62	EΑ	66
16		PAOZZ	5325-00-171-6387	96906	MS35489-51	GROMMET, NONMETALLIC A10	EA	46
16		PAOZZ	5325-00-171-6387	96906	MS35489-51	GROMMET, NONMETALLIC A11, 140, 26F	EΑ	28
16		PAOZZ	5325-00-171-6387	96906	MS35489-51	GROMMET, NONMETALLIC A12, A13, C58, C59	EA	21
16	17	PAOZZ	5325-00-171-6387	96906	MS35489-51	GROMMET, NONMETALLIC C14, C15, C16, C17, C18, C19, C61, C62	EA	28
16	17	PAOZZ	5325-01-039-4574	19207	10906797	GROMMET, NONMETALLIC	EA	20
16		PAOZZ	5325-01-050-1586	19207	10906798	GROMMET, NONMETALLIC	EA	7
16		PAOZZ	5325-00-290-0074	96906	MS35489-109	GROMMET, NONMETALLICA09, A10, A11, A12, C13	EA	4
16	17	PAOZZ	5325-00-579-6134	96906	MS35489-80	A14, C13, C58, C59, 140, 26F GROMMET, NONMETALLICA09, A10, A11, A12, A13	EA	1
16	17	PAOZZ	5325-00 570 6424	96906	MS24489-80	A14, C58, C59, 140, 26F GROMMET, NONMETALLIC	EA	
16 16		PAOZZ	5325-00-579-6134 5325-00-579-6134	96906 96906	MS35489-80	GROMMET, NONMETALLICC14, C15, C16, C17,	EA	8
'	••					C18, C19, C61, C62	EΑ	8
16	17	PAOZZ	5325-01-050-1586	19207	10906798	GROMMET, NONMETALLIC	ΕA	34
16	17	PAOZZ	5325-00-270-8890	70485	2276	GROMMET, NONMETALLICA09, A14	EA	34
$\Box$			l .	l		<u> </u>		

E-41

NATIONAL   STOCK   NUMBER   STOCK   NUMBER   FSCM   NUMBER   STOCK   S	(7) (8)	(6)	(5)	(4)	(3)	(2)	1)	(
No.   No.   No.   Code   Number   No.   No.   Code   Number   No.   No.   Code   Number   No.   No.			` '	` ′	` '	` ,		1
FIG.   ITEM   NO.   CODE   NUMBER   FSCM   NUMBER   FSCM   NUMBER   NUMBE	QTY				NATIONAL		(b)	(a)
NO.   NO.   CODE   NUMBER   FSCM   NUMBER   GROMMET, NONMETALLIC	INC		PART		STOCK	SMR	, ,	
16	1	USABLE ON CODE		FSCM				
A13, A14, C58, C59, 140, 26F   A17, A17, C58, C59   A18, A17, A18, A18, A18, A18, A18, A18, A18, A18	UNIT							
A13, A14, C58, C59, 140, 26F   A17, A17, C58, C59   A18, A17, A18, A18, A18, A18, A18, A18, A18, A18	EA 1	GROMMET NONMETALLIC A09 A10 A11 A12	MS35489-71	96906	5325-00-754-1154	PAO77	17	16
16         18         PAOZZ         5310-00-934-9758         96906         MS35649-202         NUT, PLAIN, HEXAGON         C13         EA           16         18         PAOZZ         5310-00-934-9758         96906         MS35649-202         NUT, PLAIN, HEXAGON         C14, C15, C16, C17, C18         EA           16         18         PAOZZ         5310-00-761-6882         96906         MS35649-202         NUT, PLAIN, HEXAGON         C14, C15, C16, C17, C18         EA           16         18         PAOZZ         5310-00-761-6882         96906         MS51967-2         NUT, PLAIN, HEXAGON         C013         EA           16         19         PAOZZ         5310-00-761-6882         96906         MS51967-2         NUT, PLAIN, HEXAGON         C13         EA           16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         C14, C15, C16, C17, C18, C19         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         C13         EA           16         19         PAOZZ         5340-00-597-6153         96906         MS253333-40         WASHER, LOCK         C13         EA           16		A13, A14, C58, C59, 140, 26F						
16         18         PAOZZ         5310-00-934-9758         96906         MS35649-202         NUT, PLAIN, HEXAGON C14, C15, C16, C17, C18 C19	I .							
16         18         PAOZZ         5310-00-934-9758         96906         MS35649-202         NUT, PLAIN, HEXAGON	EA 6					_	-	1
16         18         PAOZZ         5310-00-934-9758         96906         MS35649-202         NUT, PLAIN, HEXAGON	EA 7		MS35649-202	96906	5310-00-934-9758	PAUZZ	18	16
16         18         PAOZZ         5310-00-761-6882         96906         MS51967-2         NUT, PLAIN, HEXAGON	I .	NIT PLAIN HEXAGON C61 C62	MS35649-202	96906	5310-00-934-9758	<b>P</b> Δ <b>∩</b> 77	18	16
16         18         PAOZZ         5310-00-761-6882         96906         MS51967-2         NUT, PLAIN, HEXAGON         C13         EA           16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         A12, A13, C58, C59         EA           16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         C14, C15, C16, C17, C18, C19, C61, C62         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS35338-43         WASHER, LOCK         C13         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         C13         EA           16         19         PAOZZ         5340-00-597-6153         96906         MS2191919712         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21333-104         CLAMP, LOOP         A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21333-104         CLAMP, LOOP         C14, C15, C18, C19         EA           16         <								
16         18         PAOZZ         5310-00-761-6882         96906         MS51967-2         NUT, PLAIN, HEXAGON         C13         EA           16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         A12, A13, C58, C59         EA           16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         C14, C15, C16, C17, C18, C19, C61, C62         C61, C62           16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         C13         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         C13         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS21919F12         CLAMP, LOOP         A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS219333-104         CLAMP, LOOP         C14, C15, C18, C19         EA           16					0010 00 101 0002	. AOLL	.0	'
16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         A12, A13, C58, C59         EA           16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         C14, C15, C16, C17, C18, C19, C61, C62         EA           16         19         PAOZZ         5310-00-0550-1130         96906         MS35338-43         WASHER, LOCK         MS35338-43         WASHER, LOCK         C13         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         MS35333-40         WASHER, LOCK         C13         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS21919F12         CLAMP, LOCK         C13         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21333-104         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21333-104         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS21919F12         CLAMP, LOOP </td <td>EA 4</td> <td></td> <td>MS51967-2</td> <td>96906</td> <td>5310-00-761-6882</td> <td>PAOZZ</td> <td>18</td> <td>16</td>	EA 4		MS51967-2	96906	5310-00-761-6882	PAOZZ	18	16
16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         WASHER, LOCK         C13         EA           16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         M9, A10, A11, A12, A13, A14         EA           16         19         PAOZZ         5340-00-597-6153         96906         MS21919F12         WASHER, LOCK         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A10, A11, A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A10, A11, A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-057-4094         96906         MS21333-104         CLAMP, LOOP         A09, A14         EA           16         20         PAOZZ         5340-00-057-4094         96906         MS35206-263         SCREW, MACHINE         A09         A09 <td< td=""><td>EA 2</td><td>WASHER, LOCK A12, A13, C58, C59</td><td>MS35338-43</td><td>96906</td><td>5310-00-045-3296</td><td>PAOZZ</td><td>19</td><td>16</td></td<>	EA 2	WASHER, LOCK A12, A13, C58, C59	MS35338-43	96906	5310-00-045-3296	PAOZZ	19	16
16         19         PAOZZ         5310-00-045-3296         96906         MS35338-43         .WASHER, LOCK	EA 7		MS35338-43	96906	5310-00-045-3296	PAOZZ	19	16
16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK	_   _	C61, C62	M005000 15	00000	5040 00 045 0000	D 4 0 = =		
16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         C13         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A10, A11, A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS21333-104         SCAMP, COOP         A09, A14         EA           16         21         PAOZZ         5305-00-984-6210         96906         MS35206-263         SCREW, MACHINE         A09, A10, A11, A12, A13, A14         C58, C59, 140, 26F         EA	_							
16         19         PAOZZ         5310-00-550-1130         96906         MS35333-40         WASHER, LOCK         C13         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A10, A11, A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-688-1254         96906         MS21919F12         CLAMP, LOOP         CLAMP, LOOP         A10, A11, A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-688-1254         96906         MS21919F12         CLAMP, LOOP         CLAMP, LOOP         A10, A11, A12, A13, A10         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS21333-104         STRAP, RETAINING         A09, A14         EA           16         21         PAOZZ         5305-00-988-1725         96906         MS35206-281         SCREW, MACHINE         A09, A10, A11	EA   3		เขเององงง-40	90900	0010-00-000-1130	PAUZZ	19	16
16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A12, A13, C58, C59         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         A10, A11, A12, A13, C16, C17         EA           16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP         C14, C15, C18, C19         EA           16         20         PAOZZ         5340-00-283-3394         40670         3234981         CLAMP, CALBE ELECTRI         A10         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS213333-104         CLAMP, LOOP         CLAMP, LOOP         A01         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS213333-104         CLAMP, COLBE ELECTRI         A10         EA           16         21         PAOZZ         5305-00-984-6210         96906         MS35140-16         STRAP, RETAINING         A09         EA           16         21         PAOZZ         5305-00-988-1725         96906         MS35206-281         SCREW, MACHINE         A09, A10, A11, A12, A13, A14         C58, C59, 140, 26F     <	EA 4		MS35333-40	96906	5310-00-550-1130	PAO77	19	16
16         20         PAOZZ         5340-00-088-1254         96906         MS21333-104         CLAMP, LOOP								1
16         20         PAOZZ         5340-00-597-6153         96906         MS21919F12         CLAMP, LOOP						_	-	
16         20         PAOZZ         5935-00-283-3394         40670         3234981         CLAMP, CALBE ELECTRI         A10         EA           16         20         PAOZZ         5340-00-088-1254         96906         MS21333-104         CLAMP, LOOP         A09, A14         EA           16         21         PAOZZ         5305-00-984-6210         96906         MS35206-263         SCREW, MACHINE         C13         EA           16         21         PAOZZ         5305-00-988-1725         96906         MS35206-281         SCREW, MACHINE         A09, A10, A11, A12, A13, A14         EA           16         21         PAOZZ         5305-00-988-1725         96906         MS35206-281         SCREW, MACHINE         C13         EA           SCREW, MACHINE         C13         EA         SCREW, MACHINE         C13         EA								
16         20         PAOZZ         5340-00-088-1254         96906         MS21333-104         CLAMP, LOOP         A09, A14         EA           16         20         PAOZZ         5340-00-057-4094         96906         MS35140-16         STRAP, RETAINING         A09         EA           16         21         PAOZZ         5305-00-984-6210         96906         MS35206-263         SCREW, MACHINE         C13         EA           16         21         PAOZZ         5305-00-988-1725         96906         MS35206-281         SCREW, MACHINE         A09, A10, A11, A12, A13, A14         EA           C58, C59, 140, 26F         C13         EA         SCREW, MACHINE         C13         EA				96906				
16         20         PAOZZ         5340-00-057-4094         96906         MS35140-16         STRAP, RETAINING         A09         EA           16         21         PAOZZ         5305-00-984-6210         96906         MS35206-263         SCREW, MACHINE         C13         EA           16         21         PAOZZ         5305-00-988-1725         96906         MS35206-281         SCREW, MACHINE         A09, A10, A11, A12, A13, A14         EA           C58, C59, 140, 26F         SCREW, MACHINE         C13         EA							-	
16       21       PAOZZ       5305-00-984-6210       96906       MS35206-263       SCREW, MACHINE       C13       EA         16       21       PAOZZ       5305-00-988-1725       96906       MS35206-281       SCREW, MACHINE       A09, A10, A11, A12, A13, A14       EA         16       21       PAOZZ       5305-00-988-1725       96906       MS35206-281       SCREW, MACHINE       EA         SCREW, MACHINE       C13       EA							-	1
16     21     PAOZZ     5305-00-988-1725     96906     MS35206-281     SCREW, MACHINE	I .					_	-	
16 21 PAOZZ 5305-00-988-1725 96906 MS35206-281 C58, C59, 140, 26F								1
16 21 PAOZZ 5305-00-988-1725 96906 MS35206-281 SCREW, MACHINE	EA 3	C58. C59. 140. 26F	10000200 201	30300	3303 00 300 1723	I AOLL	21	'0
E-42(E-43 BLANK)	_		MS35206-281	96906	5305-00-988-1725	PAOZZ	21	16
		BLANK)	E-42(E-43					
								1

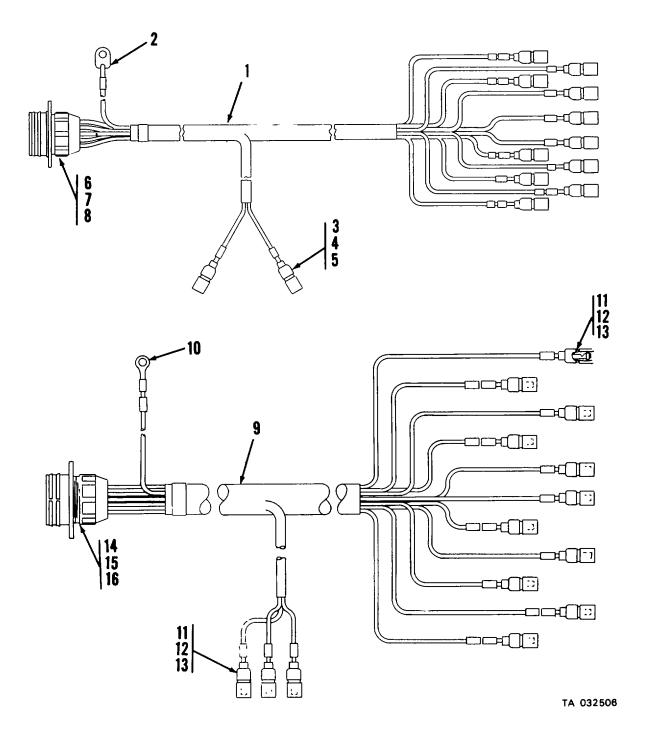


Figure 17. Wiring harness, main, XM822(after serial no. S2669), XM844, XM845, XM847, XM848, XM849, XM850.

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTE	1)	(2)	(3)	(4)	(5)	DESCRIPTION	(1)	(0)
(a)	(b)		NATIONAL			DESCRII HOW		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
		-				33.1322 3.11 3332		UNIT
17	1	MFFZZ		19207	11681236	WIRING HARNESS BRANCHED, MAIN, MANUFACTURED	EA	1
						FROM 6145-00-152-6499, 330 FTC14, C15		
17		PAOZZ	5940-00-050-6209	21450	506209	.TERMINAL, LUG	ΕA	1
17		PAOZZ PAOZZ	5935-00-833-8561	19207	8338561	SHELL, ELECTRICAL COC14, C15	EA EA	13
17		PAOZZ	5970-00-833-8562 5940-00-846-5012	19207 19207	8338562 8338563	INSULATOR BUSHING	EA	13 13
17	-	PAOZZ	5935-00-846-3883	19207	8376208	.CONNECTOR, RECEPTACLC14, C15	EA	1 1
17		PAOZZ	5365-00-090-5426	19207	7722333	BUSHING RUBBER	EA	
17		PAOZZ	5310-00-393-6685	19207	772309	.NUT, PLAIN, KNURLED	EΑ	1
17	9	PFFFF	2590-00-432-1340	19207	11681442	HARNESS ASSEMBLY BRANCHED, MAIN, MANUFACTUR	- EA	1
						ED FROM 6145-00-152-6499, 366 FT. C13, C16, C17		
17	9	MFFZZ		19207	11684313	C18 WIRING HARNESS BRANCHED, MAIN, MANUFACTURED	ΕA	1
''		·				FROM 6145-00-152-6499, 413FTC19	_, .	
17		PAOZZ	5940-00-050-6209	21450	506209	.TERMINAL, LUG	EΑ	1
17		PAOZZ	5940-00-050-6209	21450	506209	.TERMINAL, LUG	EΑ	1
17		PAOZZ	5935-00-833-8561	19207	8338561	.SHELL, ELECTRICALC13, C18	EΑ	14
17		PAOZZ	5935-00-833-8561	19207	8338561	SHELL, ELECTRICALC16, C17	EΑ	14
17		PAOZZ	5935-00-833-8561	19207	8338561	SHELL, ELECTRICAL CO	EΑ	13
17 17		PAOZZ PAOZZ	5970-00-833-8562 5970-00-833-8562	19207 19207	8338562 8338562	INSULATOR, BUSHING	EA EA	14 14
17		PAOZZ	5970-00-833-8562	19207	8338562	INSULATOR, BUSHINGC19	EA	13
17		PAOZZ	5940-00-399-6676	19207	8338564	.TERMINAL ASSEMBLY	EΑ	14
17	-	PAOZZ	5940-00-399-6676	19207	8338564	.TERMINAL ASSEMLBY	EΑ	13
17	14	PAOZZ	5935-00-846-3883	19207	8376208	.CONNECTOR C13, C18, C19	EΑ	1
17		PAOZZ	5935-00-846-3883	19207	8376208	.CONNECTORC16, C17	EΑ	1
17		PAOZZ	5365-00-090-5426	16207	7722333	.BUSHING RUBBERC16, C17	EΑ	1
17		PAOZZ	5365-00-090-5426	19207	7722333	BUSHING RUBBER	EΑ	1
17		PAOZZ PAOZZ	5310-00-393-6685 5310-00-393-6685	72869 72869	7723309 7723309	.NUT, BUSHING	EA EA	1 1
					E-4	5		

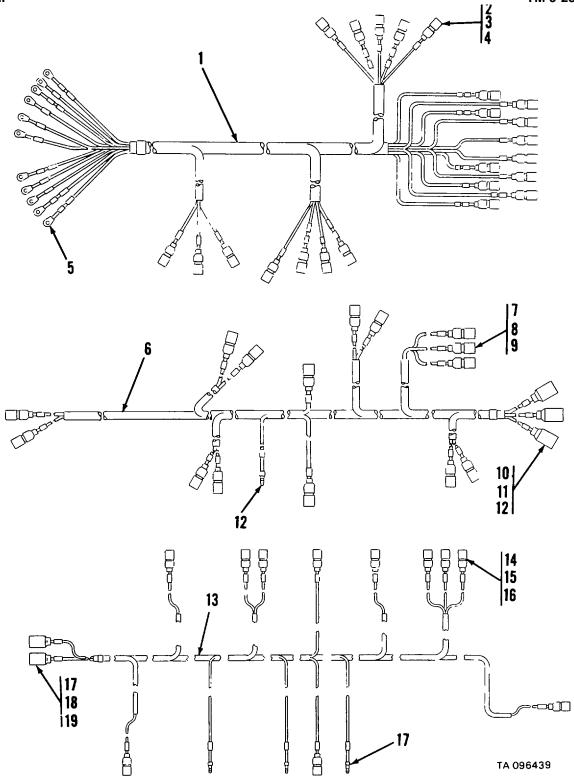


Figure 18. Wiring harness, main, XM654; wiring harness, roof, XM822(after serial no. S2669).

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
18 18 18 18 18 18 18 18 18 18 18 18 18 1	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MFFZZ PAOZZ PAOZZ PAOZZ MFFZZ PAOZZ	5935-00-833-8561 5970-00-833-8562 5940-00-846-5012 5940-00-705-6708 5935-00-833-8561 5970-00-833-8562 5940-00-846-5012 5935-00-572-9180 5310-00-833-8567 5999-00-057-2929	40670 19207 19207 19207 19207 40670 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207	3670910 8338561 8338562 8338563 7056708 4042900 8338561 8338562 8338566 8338567 MS27148-2 11684383 8338561 8338561 8338564 MS27148-2	WIRING HARNESS BRANCHED, MAIN, MANUFACTURED FROM 6145-00-152-6499, 485 FT	EA EA EA EA	1 23 23 23 11 1 15 15 15 3 4 1 11 11 11 15
18 18		PAOZZ	5935-00-572-9180 5310-00-833-8567	19207	8338566 8338567 E-4	SHELL, ELECTRICAL CO	EA	2 2

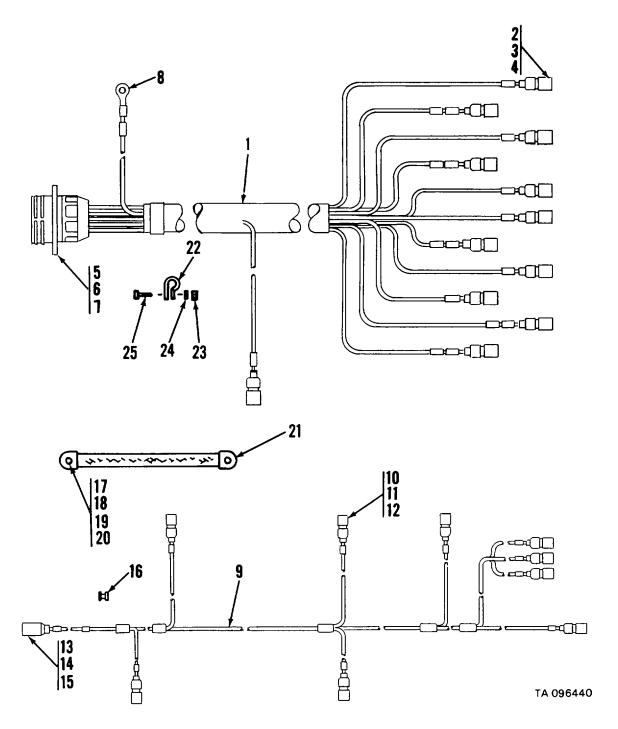


Figure 19. Wiring harness, main; wiring harness, roof, XM912, XM913.

,	1)	(2)	(2)	(4)	(E)	(6)	/7\	(9)
(	1) ΡΑΤΙΩΝ	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
								UNIT
19	1	MFFZZ		19207	11684465	WIRING HARNESS BRANCHED, MAIN, MANUFACTURED	EA	1
						FROM 6145-00-152-6499, 356 FT 38564, WIRE M134-1-5		
19	2	PAOZZ	5935-00-833-8561	19207	8338561	(356FT)   SHELL ELECTRICAL	EA	12
19		PAOZZ	5970-00-833-8562	19207	8338562	.INSULATOR, BUSHING	ĒΑ	12
19		PAOZZ	5940-00-399-6676	19207	8338564	.TERMINAL ASSEMBLYC61, C62	EA	12
19		PAOZZ	5935-00-846-3883	19207	8376208	RECEPTACLE	EΑ	1
19 19		PAOZZ PAOZZ	5365-00-090-5426 5310-00-393-6685	19207 19207	7722333 7723309	.BUSHING, RUBBER	EA EA	1 1
19		PAOZZ	5940-00-050-6209	21450	506209	.TERMINAL, LUG	EA	
19		MFFZZ	00.000000000000000000000000000000000000	19207	11684466	WIRING HARNESS BRANCHED, MAIN MANUFACTURED	_, .	EA
1								
						FROM 6145-00-152-6499, 74 FTWIRE M13486-1-5(74FT) C61, C62		
19	10	PAOZZ	5935-00-833-8561	19207	8338561	.SHELL, ELECTRICAL	EA	9
19	11	PAOZZ	5970-00-833-8562	19207	8338562	.INSULATOR, BUSHING	EΑ	9
19		PAOZZ	5940-00-846-5012	19207	8338563	.FERRULE, ELECTRICALC61, C62	EA	9
19		PAOZZ	5935-00-572-9180	19207	8338566	SHELL, ELECTRICAL	ΕA	1 1
19 19		PAOZZ PAOZZ	5310-00-833-8567 5999-00-057-2929	19207 96906	8338567 MS27148-2	.WASHER, SLOTTED	EA EA	1 1
19	-	PAOZZ	5325-00-174-9008	96906	MS35489-15	GROMMET, NONMETALLIC C14, C15, C16, C17,	EA	66
'0	.0	· /\OLL	0020 00 17 1 0000	00000		C18, C19, C61, C62	ĒΑ	66
19	16	PAOZZ	5325-00-171-6387	96906	MS35489-51	GROMMET, NONMETALLIC C14, C15, C16, C17	EA	28
19	16	PAOZZ	5325-00-579-6134	96906	MS35489-80	C18, C19, C61, C62 GROMMET, NONMETALLIC C14, C15, C16, C17	EA	8
						C18, C19, C61, C62	_, .	
19	17	PAOZZ	5310-00-905-0762	96906	MS51967-3	NUT, PLAIN, HEXAGON	EA	1
19	18	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER, LOCK C14, C15, C16, C17, C18, C19	EΑ	1
19	19	PAOZZ	5310-00-809-4058	96906	MS27183-10	C61, C62 WASHER, FLAT C14, C15, C16, C17, C18, C19	EA	1
19	19	FAULZ	3310-00-609-4036	90900	101327 103-10	C61, C62	LA	'
19	20	PAOZZ	5305-00-071-2237	96906	MS90725-14	SCREW, CAP, HEXAGOH H C14, C15, C16, C17	EA	1
19	21	XDDZZ		19207	11684311	C18, C19, C61, C62 CABLE ASSEMBLY KING PIN GROUNDC14, C15, C16,	EA	1
			5040 00 507 0450		11001010510	C17, C18, C19, C61, C62		_
19 19		PAOZZ PAOZZ	5340-00-597-6153 5340-00-597-6153	96906 96906	MS21919F12 MS2191F12	CLAMP, LOOP	EA EA	7 4
19		PAOZZ	5340-00-397-6153	96906	MS21666-104	CLAMP, LOOP	EA	3
19		PAOZZ	5310-00-934-9758	96906	MS35649-202	NUT, PLAIN, HEXAGONC14, C15, C16, C17, C18	EA	7
						C19, C61, C62		
19		PAOZZ	5310-00-045-3296	96906	MS35338-43	WASHER, LOCK C14, C15, C16, C17,C18, C19	EA	7
19 19		PAOZZ PAOZZ	5305-00-984-9210 5305-00-984-6210	96906 96906	MS35206-263 MS35206-263	SCREW, MACHINE C14, C15, C16, C17, C18, C19 SCREW, MACHINE	EA EA	7
13	23	1 AOZZ	3303-00-904-0210	30300	101333200-203	JOINEW, WAOTHINE	LA	′
					E-4	9		
1 1			Ī	l	Ĩ	1		ı

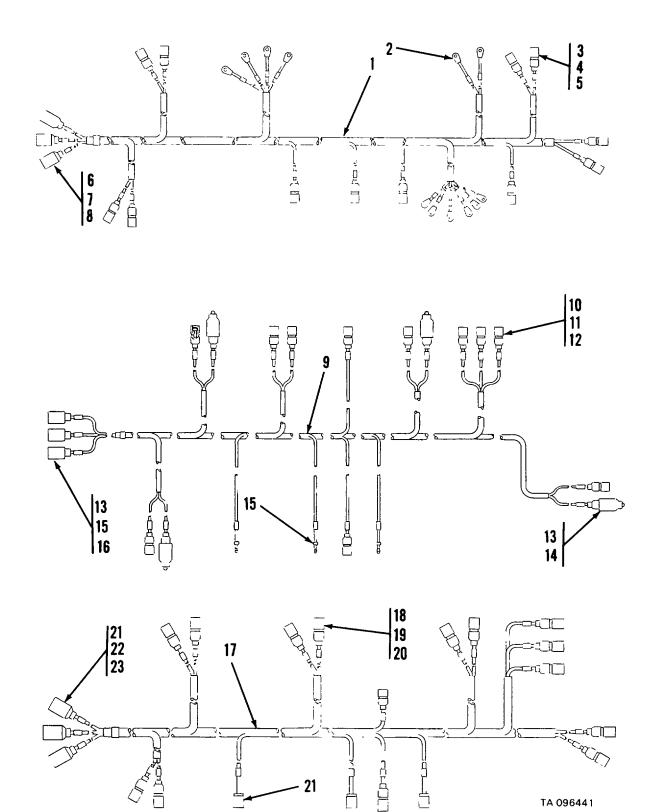


Figure 20. Wiring harness, roof, XM574,XM574E1,XM680,XM680E1, XM738,XM739,XM739E1,XM822(serial no. S2669).

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI		(-)	(9)	(-,	(3)	DESCRIPTION	(')	(5)
(a)	(b)		NATIONAL			DEGGILLI HOLL		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
								UNIT
20	1	MFFZZ		40670	3486925	WIRING HARNESS BRANCHED, ROOF, MANUFACTURED	EA	1
	_					FROM 6145-00-152-6499, 372 FTA09, A14		
20		PAOZZ PAOZZ	5940-00-050-6209	21450	506209 8338561	.TERMINAL LUG	EA EA	12 12
20 20		PAOZZ	5935-00-833-8561 5970-00-833-8562	19207 19207	8338562	INSULATOR, BUSHING	EA	12
20		PAOZZ	5940-00-846-5012	19207	8338563	.FERRULE, ELECTRICAL	EΑ	12
20		PAOZZ	5935-00-572-9180	19207	8338566	.SHELL, ELECTRICAL CO A09, A14	EΑ	3
20		PAOZZ	5310-00-833-8567	19207	8338567	.WASHER, SLOTTED	ΕA	3
20 20		PAOZZ MFFZZ	5999-00-057-2929	96906 19207	MS27148-2 10882275	CONTACT, ELECTRICALA09, A14 WIRING HARNESS BRANCHED, ROOF, MANUFACTURED	EA EA	3 1
20	9	IVIFFZZ		19207	10002275	FROM 6145-00-152-6499, 170 FTA12, A13	EA	ļ
20	9	MFFZZ		19207	11683187	WIRING HARNESS BRANCHED, ROOF, MANUFACTURED	EΑ	1
20	10	PAOZZ	5935-00-833-8561	19207	8338561	FROM 6145-00-152-6499, 170 FT	EA	15
20		PAOZZ	5970-00-833-8562	19207	8338562	I.INSULATOR, BUSHINGA12, A13, C13	EA	15
20	12	PAOZZ	5940-00-399-6676	19207	8338564	.TERMINAL ASSEMBLYA12, A13, C13	ĒΑ	15
20		PAOZZ	5935-00-572-9180	19207	8338566	.SHELL, ELECTRICAL COA12, A13, C13	EΑ	7
20		PAOZZ	5935-00-214-0904	19207 96906	7982907	DUMMY CONNECTOR, PLUA12, A13, C13	EΑ	4
20 20		PAOZZ PAOZZ	5999-00-057-2929 5310-00-833-8567	19207	MS27148-2 8338567	.CONTACT, ELECTRICAL	EA EA	6 3
20	-	MFFZZ	0010 00 000 0001	40670	9772900	WIRING HARNESS BRANCHED, ROOF, MANUFACTURED	EA	1
						FROM 6145-00-152-6499, 204 FT A11, 140, 26F		
20		PAOZZ	5935-00-833-8561	19207	8338561	SHELL, ELECTRICAL CO A11, 140, 26F	EΑ	15
20 20	-	PAOZZ PAOZZ	5970-00-833-8562 5940-00-846-5012	19207 19207	8338562 8338563	.INSULATOR, BUSHING A11, 140, 26F .FERRULE, ELECTRICAL A11, 140, 26F	EA EA	15 15
20	-	PAOZZ	5999-00-057-2929	96906	MS27148-2	.CONTACT, ELECTRICAL	EA	6
20		PAOZZ	5935-00-572-9180	19207	8338566	.SHELL, ELECTRICAL CO A11, 140, 26F	EΑ	3
20	23	PAOZZ	5310-00-833-8567	19207	8338567	.WASHER, SLOTTED A11, 140, 26F	EA	3
					E-5	4		

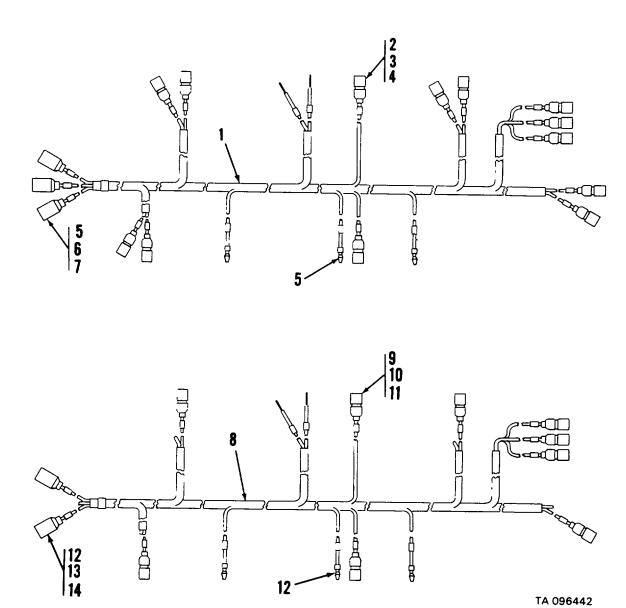


Figure 21. Wiring harness, roof, XM844,XM845,XM847,XM848,XM849,XM850.

	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
21	1	MFFZZ		19207	11684318	WIRING HARNESS BRANCHED, ROOF, MANUFACTURED FROM 6145-00-152-6499, 188FT C16, C17, C18	EA	1
21	1	MFFZZ		19207	11684314	WIRING HARNESS BRANCHED, ROOF, MANUFACTURED FROM 6145-00-152-6499, 220 FT	EA	1
21 21 21 2 21 21 21	3 4 5 6 7	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ MFFZZ	5935-00-833-8561 5970-00-833-8562 5940-00-846-5012 5999-00-057-2929 5935-00-572-9180 5310-00-833-8567	19207 19207 19207 96906 19207 19207	8338561 8338562 8338563 MS27148-2 8338566 8338567 11681234	SHELL ELECTRICAL	EA EA EA EA EA	13 13 13 6 3 1
21 21 21 21 21 21	10 11 12 13	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5935-00-833-8561 5970-00-833-8562 5940-00-846-5012 5999-00-057-2929 5935-00-572-9180 5310-00-833-8567	19207 19207 19207 96906 19207 19207	8338561 8338562 8338563 MS27148-2 8338566 8338567	SHELL, ELECTRICAL CO	EA EA EA EA	9 9 9 5 2 2
					E-5	3		

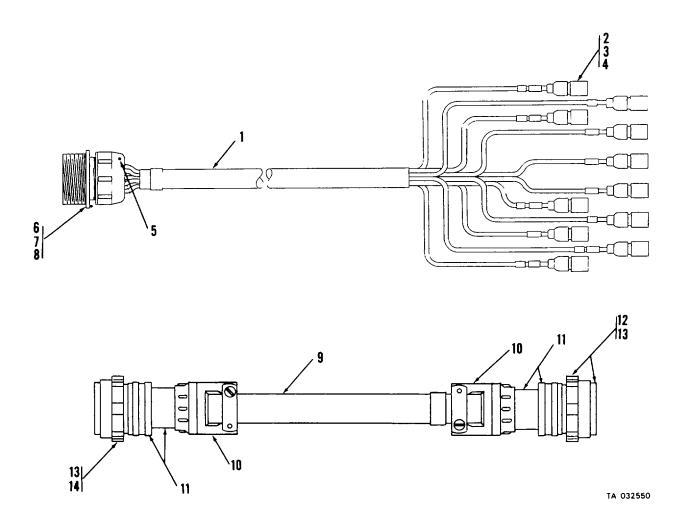


Figure 22. Main dolly harness and interconnecting cable assembly, XM822, XM844,XM845,XM847,XM848,XM849,XM850,XM912,XM913.

ILLUS	(1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b)	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
22 22 22 22 22 22 22 22 22 22 22	NO.  1 2 3 4 5 6 7 8 9 10	1		19207 19207 19207 19207 19207 19207 72869 19207 19207	NUMBER  11681260 8338561 8338562 8338563 8724763 7716793 7723309 7722333 11684315 11668011 11668010	WIRING,HARNESS MAIN DOLLY C13, C14, C15, C16, C17, C18, C19, C61, C62		l I
22		PAOZZ	5935-00-686-2599	19207	874258	C15, C16, C17, C18, C19, C61, C62 .CONNECTOR, PLUG C13, C14, C15, C16, C17, C18	EA	1
22		PAOZZ	5975-00-771-6634	19207	7716634	C19, C61, C62 .NUT.COUPLING C13, C14, C15, C16, C17, C18	EA	2
22	14	PAOZZ	5935-00-754-9083	19207	8724257	C19, C61, C62 .CONNECTOR, PLUG, ELEC C13, C14, C15, C16, .C17, C18, C19, C61, C62	EA	1
					E-5	5		

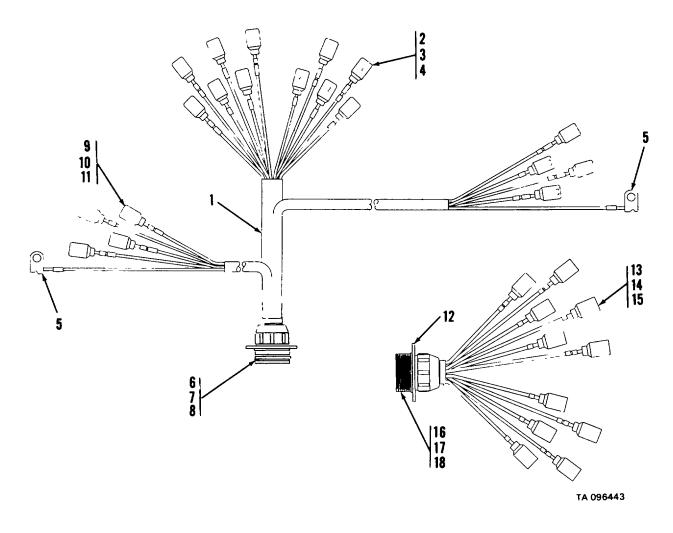


Figure 23. Wiring harness, dolly taillights and electrical lead assembly, XM822,XM844,XM845,XM847,XM848,XM849,XM850,XM912,XM913.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a)	RATION (b)		NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN UNIT
23	1	MFFZZ		19207	11684316	WIRING HARNESS BRANCHED, DOLLY TAILLIGHTS, MFD FROM 6145-00-152-6499, 50 FT. C13, C14, C15, C16	EA	1
23	2	PAOZZ	5935-00-572-9180	19207	8338566	C17, C18, C19, C61, C62 .SHELL ELECTRICAL C13, C14, C15, C16, C17, C18 C19, C61, C62	EA	11
23	3	PAOZZ	5310-00-833-8567	19207	8338567	.WASHER, SLOTTED C13, C14, C15, C16, C17, C18 C19, C61, C62	EA	11
23	4	PAOZZ	5999-00-057-2929	96906	MS27148-2	.CONTACT, ELECTRICALC13, C14, C15, C16, C17 C18, C19, C61, C62	EA	11
23	5	PAOZZ		96906	MS35438-8	TERMINAL, LUG C13, C14, C15, C16, C17, C18, C19, C61, C62	EA	2
23	6	PAOZZ	5935-00-846-3884	19207	8376209	.CONNECTOR, RECEPTACL C13, C14, C15, C16 C17, C18, C19, C61, C62	EA	1
23	7	PAOZZ	5365-00-090-5426	19207	7722333	.BUSHING RUBBER C13, C14, C15, C16, C17, C18 C19, C61, C62	EA	1
23	8	PAOZZ	5310-00-393-6685	72869	7723309	.NUT, BUSHING .C13, C14, C15, C16, C17, C18, C19	EA	1
23	9	PAOZZ	5935-00-833-8561	19207	8338561	SHELL ELECTRICAL C13, C14, C15, C16, C17, C18 C19, C61, C62	EA	8
23	10	PAOZZ	5970-00-833-8562	19207	8338562	.INSULATOR, BUSHINGC13, C14, C15, C16, C17 C18, C19, C61, C62	EA	8
23	11	PAOZZ	5940-00-846-5012	19207	8338563	.FERRULE, ELECTRICAL C13, 14, C15, C16, C17, C18, C19, C61, C62	EA	8
23	12	MFFZZ		19207	11681237	LEAD ASSY, ELEC MANUFACTURED FORM 6145-00-152-6499, 7 FT38, WIRE ML3486-1-5 (6.5FT)C13, C14,	EA	1
23	12	PFFFF	2590-00-678-6124	19207	8747246	C15, C16, C17, C18, C19, C61, C62 LEAS ASSY A09, A11, A12, A13, A14, C58, C59 140, 26F	EA	1
23	13	PAOZZ	5935-00-572-9180	19207	8338566	SHELL, ELECTRICAL CO A09, A11, A12, A13, A14 C13, C14, C15, C16, C17, C18, C19, C58, C59, C61, C62, 140, 26F	EA	11
23	14	PAOZZ	5310-00-833-8567	19207	8338567	.WASHER, SLOTTED A09, A11, A12, A13, A14, C13, C14, C15, C16, C17, C18, C19, C58, C59, C61, C62, 140, 26F	EA	11
23	15	PAOZZ	5999-00-057-2929	96906	MS27148-2	CONTACT, ELECTRICAL A09, A11, A12, A13, A14, C13, C14, C15, C16, C17, C18, C19, C58, C59, C61, C62 140, 26F	EA	11
23	16	PAOZZ	5935-00-846-3884	96906	MS75021-2	CONNECTOR, RECEPTACLA09, A11, A12, A13, A14, C13, C14, C15, C16, C17, C18, C19, C58, C59, C61, C62, 140, 26F	EA	1
23	16	PAOZZ	5935-00-771-6794	19207	7716794	.CONNECTOR A09, A11, A12, A13, A14, C13, C14, C15, C16, C17, C18, C19, C58, C59, C61, C62, 140, 26F	EA	1
23	17	PAOZZ	5365-00-090-5426	19207	7722333	BUSHING, RUBBERA09, A11, A12, A13, A14, C13 C14, C15, C16, C17, C18, C19, C58, C59, C61, C62, 140,	EA	1
23	18	PAOZZ	5310-00-393-6685	72869	7723309	26F .NUT, BUSHING .A09, A10, A11, A12, A13, A14, C13, C14, C15, C16, C17, C18, C19, C61, C62, 140, 26F	EA	1
					E-5	7		

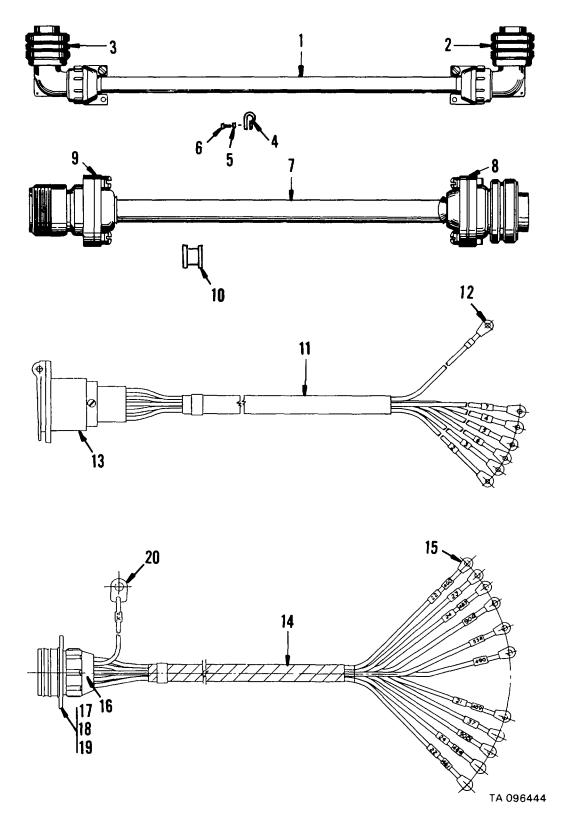
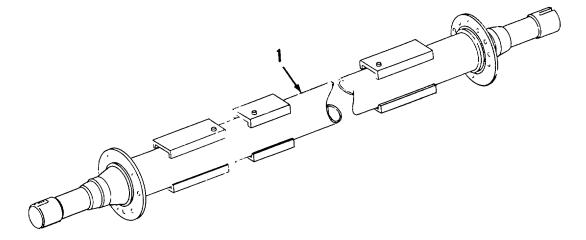


Figure 24. Cable assembly, air conditioner, XM680,XM680E1; front wiring harness, XM654.

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
24	1	PAOZZ	2590-00-920-7547	40670	3486942	CABLE ASSEIBLY AIR CONDITIONER POWER A09	EΑ	1
24 24 24 24 24 24 24 24 24 24 24 24 24 2	3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17	PAOZZ MFFZZ PAOZZ MFFZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5935-00-845-4517 5935-00-845-1141 5340-00-597-6153 5340-00-282-8335 5310-00-045-3296 5305-00-432-4205 2920-00-939-7089 5935-00-752-3099 5325-00-270-8890 5940-00-534-0991 5940-00-534-0991 9390-00-180-7289 5935-00-846-3883	96906 96906 96906 96906 96906 40670 96906 70485 40670 96906 40670 96906 19207	MS3108R22 MS3108R22-22P MS21919F12 MS21919F8 MS35338-43 MS51861-49 3486943 MS3101R22-14S MS3101R22-14P 2276 3670914 MS35436-6 3296986 3670913 MS35436-6 8724763 8376208	A14	EAAAAA EAAAA EAAAA EAAAA	1 1 4 4 8 8 1 1 1 6 1 7 1 1
24 24 24	19	PAOZZ PAOZZ PAOZZ	5365-00-393-5426 5310-00-393-6685 5940-00-050-6209	19207 19207 21450	7722333 7723309 506209	.BUSHING, RUBBER	EA EA EA	1 1 1
					E-5			



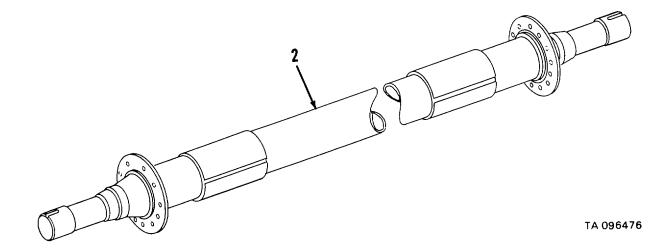


Figure 25. Rear axle assembly.

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 11 REAR AXLE GROUP 1100 REAR AXLE ASSEMBLY		
25		PAFZZ PAFZZ	2530-00-690-2669	19207	10869564 11684320	AXLE, VEHICULAR NON DRIVINGA09, A10, A11, A12, A13, A14, C13, C58, C59, 140, 26F	EA	2 2
25	2	PAFZZ	2530-01-083-5600	19207		AXLE, VEHICULAR SEMITRAILER VAN C14, C15, C16, C17, C18, C19, C61, C62	EA	2
					E-6	1		

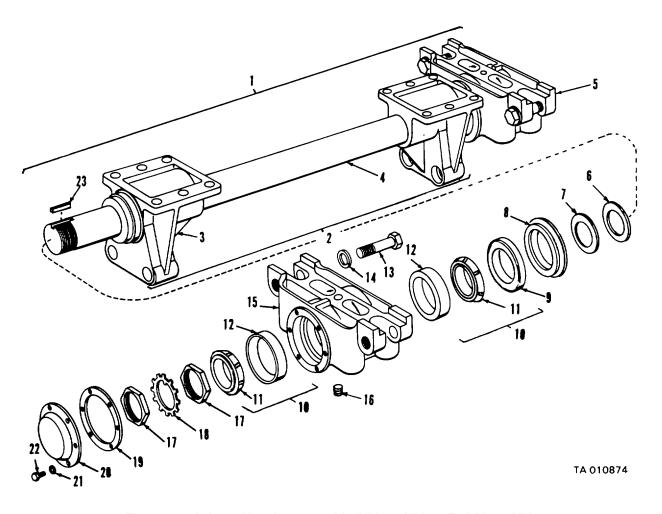


Figure 26. Axle and bracket assembly, XM574,XM574E1,XM654,XM680, XM680E1,XM738,XM739,XM739E1,XM822,XM823,XM824.

(7)	(8)
	QTY
SLE ON CODE U/M	INC IN UNIT
.12, A13 EA	1
.12, A13 EA	1
11, A12 EA	2
13, C58 EA	1
12, A13 EA	2
14, C13 EA	2
14, C13 EA	2
12, A13, EA	2
12, A13, EA	2
13, A14, EA	4
.13, A13 EA	2
.12, A13 EA	2
13, A14, EA	2
12, A13, EA	2
12, A13, EA	2
14, C13, EA	1
12, A13, EA	4
.14, C13 EA	2
13, C58 EA	2
13, A14, EA	2
.13, A14 EA	12
13, A13, EA	12
14, C13 EA	2
1	13, C58 EA 13, A14, EA 13, A14 EA 3, A13, EA

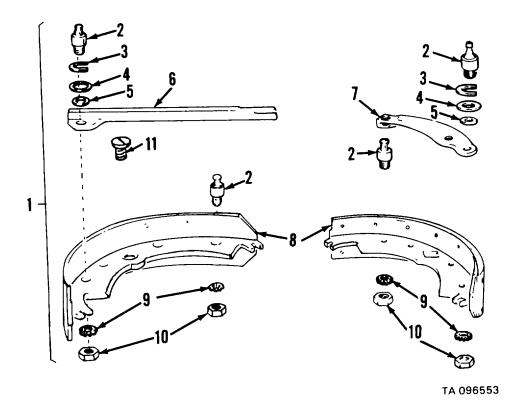


Figure 27. Brake shoe and related parts.

	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
27 27 27 27 27 27 27 27 27 27 27 27	1 2 3 4 5 6 6 7 7 8 9	PAOZZ PAOFF PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2530-00-774-9401 2530-00-774-9402 2530-00-322-7261 5310-00-314-0765 5310-00-314-0764 3040-00-150-7127 2530-00-973-2355 2530-00-973-2356 2530-00-693-1007 5310-00-550-3503 5310-00-903-3993 5305-00-801-5747	19207 19207 19207 19207 19207 19207 19207 19207 19207 96906 96906	8733894 8733895 8733938 8733936 8733936 8733926 8733927 8733911 8733912 7064978 MS35335-36 MS51970-4 MS35308-364	GROUP 12 BRAKES GROUP 1202 SERVICE BRAKES  BRAKE SHOE FRONT LEFT BRAKE	EAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	2 2 2 1 1 1 2 2 2 2 1 2 2 2

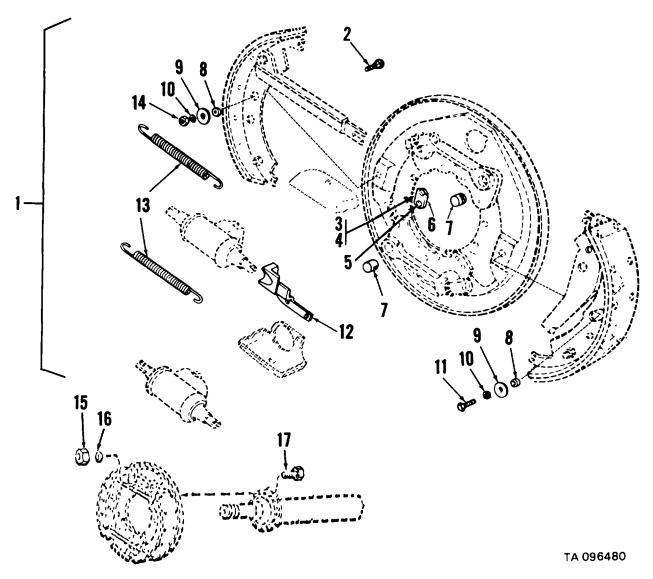


Figure 28. Service brake attaching parts.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK Number	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN
28 28 28 20 28 28 28 28 28	1 2 3 4 5 5 6 7	PAOZZ PAOFF PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2530-00-730-7620 2530-00-730-7621 5306-00-741-1760 5310-00-761-1882 5310-00-582-5965 2530-00-991-4342 2530-00-987-2565 1450-00-177-3264 5315-00-741-2106	19207 19207 19207 96906 16906 19207 19207 19207 63477 19207	83316701 8336702 7411760 MS51967-2 MS35338-44 8733890 8133891 8735729 FC12088	BRAKESHOE TYPE LEFT HAND SERVICE AKE BRAKE, SHOE TYPE RIGHT HAND SERVICEBRAKE BOLT. SQUARE NECK NUT, PLAIN., HEXAGON WASHER, LOCK BRACKET, CABLE GUIDE LEFT HAND BRACKET.CABLE GUIDE RIGHT HAND COVER, ACCESS PIN, STRAIGHT EADLE SPACERSLEEVE	EA EA EA EA EA EA	2 2 1 4 4 1 1 2
28 28 28 28 28 28 28 29 20	9 10 12 12 13 14 15	PALZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5365-00-741-2103 5310-00-141-8939 5310-00-582-5965 2530-00-522-1157 2310-00-794-1763 5360-00-699-9018 5310-00-92-4218 5310-00-732-0559 310-00-732-Q5S	19207 19207 96906 19207 19207 19207 96906 96906	7412103 5323088 MS3533S-4 8733892 8733893 8720515 MS51970-1 MS51968-8	WASHER, FLAT	EA EA EA EA	2 2 1 2 4 448 32
28		PAOCZZ		16906	MS35335-21		EA	48
28	17	PAZLZ	S305-00-26-28O07	96906	MS90726-64		13, E	A48
28	17	PAOZZ	S305-c0-269-20?	169806	MS90726-64	SCREW.CAP.HEXAGONC14, C15, C16, C17, C18, C19	EA	16
28	17	PAOZZ	53050-269F2803	96906	MS90726-60	SCREW, CAP, HEXAGONC14, C15, C16, C17, C18, C19	EA	16
					E-6	7		

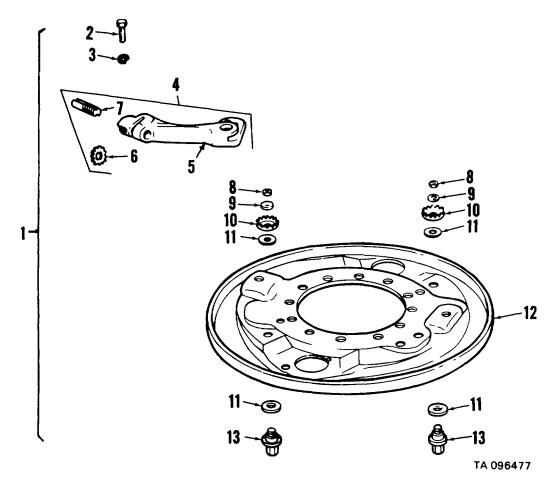


Figure 29. Backing plate assembly.

E-68

111115	(1) TRATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO	(b) ITEM	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
29 29 29 29 29 29 29 29 29 29 29	1 2 3 4 4 4 5 5 6 6 7 7 8 9 10 11 12 12	PAOZZ PAOZZ PAOZZ PAOOO PAOOO PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PBOZZ PBOZZ PAOZZ	2350-00-791-3259 2350-00-791-0110 5305-00-269-3233 5310-00-627-6128 1440-00-798-4812 2530-00-159-8755 2530-00-159-8756 2530-00-770-9149 2530-00-770-9150 2530-00-770-9151 5310-00-853-9335 5310-00-167-0721 2530-00-741-2104 5310-00-741-2120 2530-01-083-5641 2530-00-791-3259 1440-00-994-8975	19207 19207 96906 96906 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207	8733901 8733902 MS90727-57 MS35335-35 8733896 8733897 8733908 8336704 8336705 8336789 MS35691-13 MS35333-41 7412104 7412120 8733933 A1-3236M1261 8720331	PLATE, BACKING BRAKE LEFT HAND	EAAAAAAAAAAAAAA EEEEEEEEEEEEEEE	4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1

TM 9-2330-271-14&P SECTION II

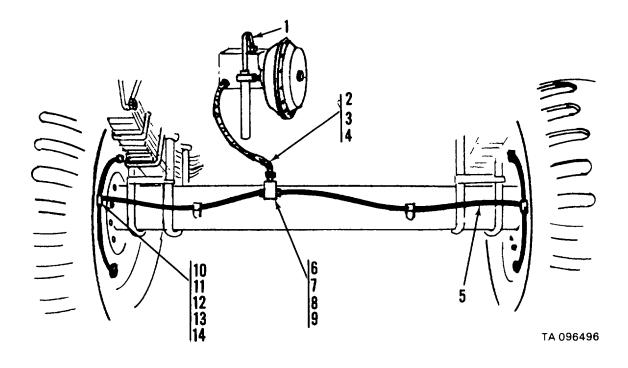


Figure 30. Hydraulic brake system.

E-70

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 1204 HYDRAULIC BRAKE SYSTEM		_
30 30 30 30 30 2	2 3	PAOZZ PAOZZ PAOZZ PAOZZ	4730-00-854-6931 5340-00-897-5921 4720-00-389-8245 4710-00-896-9031	63477 19207 19207 19207	5156653 10869558 8407333 8759076	ADAPTER STRAIGHT TU	EA EA EA C15	2 2 2 EA
30 30	5	PAOZZ PBOZZ	4710-01-036-1238 4710-00-861-1404	19207 19207	11684500 8759079		EA , EA	2 2
30 30 2	-	PAOZZ PAOZZ	4710-01-083-5636 4710-00-861-1405	19207 19207	11684501-1 8759080	TUBE ASSEMBLY, METAL	EA :13,	2 EA
2 30 30 30 30 30 30 30 30 30 30	6 7 8 9 10 11 12 13	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	4710-01-031-9120 5310-00-732-0559 5310-00-637-9541 5305-00-269-2805 4730-00-463-1588 4730-00-729-6437 4730-00-419-9425 5365-00-274-4544 5310-00-741-2088 5310-00-275-6635	19207 96906 96906 96906 19207 19207 19207 19207 19207	11684501-2 MS51968-8 MS35338-46 MS90726-62 5167679 7412079 7745464 5258653 7412088 5214539	C14, C15, C16, C17, C18, C19, C58, C59, 140, 26F TUBE ASSEMBLY, METAL	EAA AAAAAA EEEEEEEEEEEEEEEEEEEEEEEEEEE	2 2 2 2 4 4 4 4 2

TM 9-2330-271-14&P SECTION II

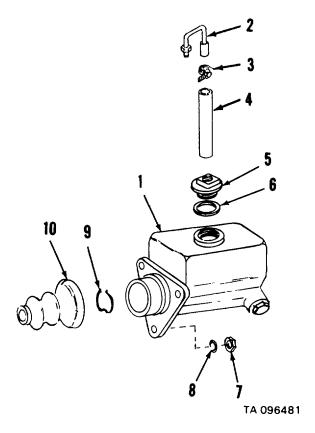


Figure 31. Hydraulic master cylinder. **E-72** 

( ILLUSTI	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
31 31 31 31 31 31 31 31 31	2 3 4 5 6 7 8 9	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2350-00-278-2243 4720-00-809-2750 4730-00-908-3194 4710-00-511-1692 4730-00-773-2163 5365-00-737-3354 5310-00-637-9541 5365-00-516-7878 2530-00-753-9308	19207 96906 96906 19207 63477 19207 96906 96906 19207 19207	8332086 MS521301A20412 MS35842-11 8365426 7979671 7373354 MS51968-8 MS35338-46 5167878 7539308	CYLINDER, ASSEMBLY, MASTER	EAA AAA AAAA EE EE EE EE EE EE EE EE EE	2 2 2 2 2 6 6 2 2

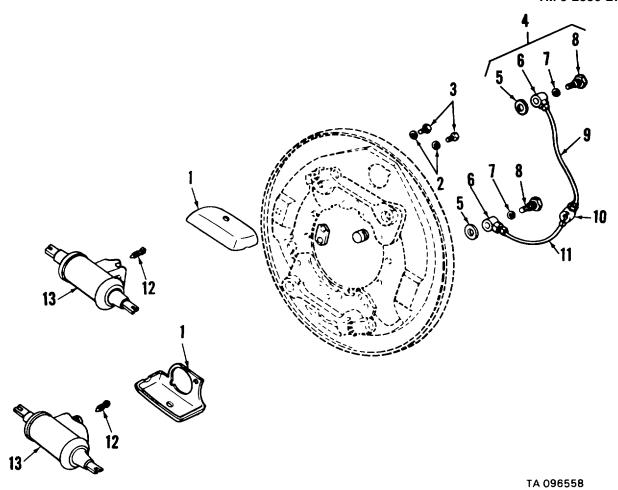


Figure 32. Wheel cylinder and hydraulic tubes.

	(1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
32 32 32 32 32 32 32 32 32 32 32 32 32 3	1 2 3 4 4 5 6 7 8 9 10 11 11 12 13	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PBOZZ PBOZZ PBOZZ PBOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2530-00-741-2050 2530-00-741-2068 5310-00-407-9566 5306-00-225-8496 4710-00-791-8077 5310-00-741-2088 4730-00-419-9425 5365-00-274-4544 4730-00-729-6437 4710-00-566-7133 4710-00-741-1907 4730-00-741-1903 4710-00-630-9928 2530-00-287-8252 2530-00-741-2065	19207 19207 96906 96906 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207	8733929	SHIELD BRAKE WHEEL LOWER SHIELD BRAKE WHEEL LOWER WASHER LOCK BOLT MACHINE TUBE ASSEMBLY TUBE ASSEMBLY WASHER REAR AXLE INLET CONNECTOR INNER. CONNCTOR AIR BRAKE SPACER RING INLET CONNECTOR OUTER BOLT FLUID PASSAGE TUBE ASSEMBLY METAL TUBE ASSEMBLY METAL CROSS TUBE C TUBE ASSEMBLY METAL TUBE ASSEMBLY METAL BLEEDER VALVE CYLINDER ASSEMBLY H CYLINDER ASSEMBLY H CYLINDER ASSEMBLY H	EAAAAAAAAAAAAA EEEEEEEEEEEEEEEE	4 4 16 16 4 4 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1

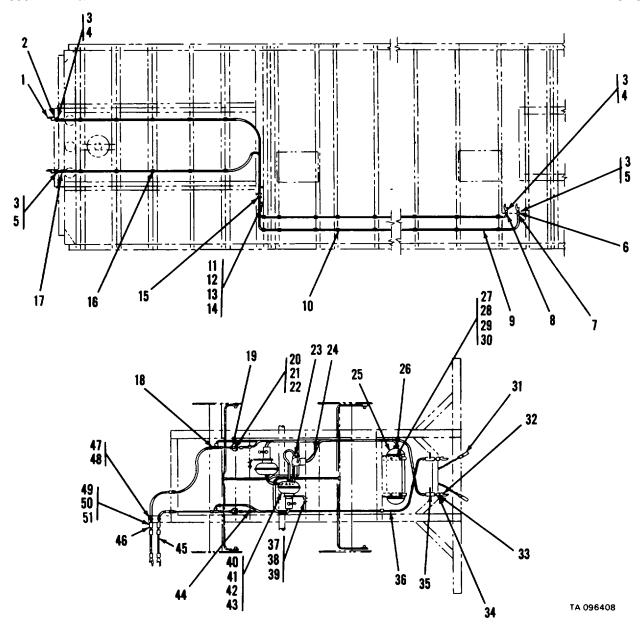


Figure 33. Brake air system, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
	NO.  1 2 3 45667788 999910 10010 11011 1213 144 155166 17718	1		96906 19207 96906 96906 96906 96906 19207		GROUP 1208 AIR BRAKE SYSTEM COUPLING HALF QUICKA09, A10, A11, A12, A13, A14, C13	3, EA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	IN

ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
33	22	PAOZZ	5306-00-797-9296	19207	7979296	BOLT U BRAKE AIR LINE U/O NHA 10907079 (SOME	EA	4
33	23	PAOZZ	4820-00-350-6749	19207	7979296	MODELS)A09, A10, A11, A12, A13, A14, C13, C58, C59, 140 VALVE HYDRAULIC SYSTEM A09, A10, A11, A12, A13	), 26F EA	1
33	24	PAOZZ	4710-00-277-5529	19207	8689210	TUBE METALLICA09, A10, A11, A12, A13, A14, C13,	EA	4
33	25	PAOZZ	2530-00-741-1078	19207	7411078		EA	1
33	26	PAOZZ	4820-00-849-1220	96906	MS35782-5		EA	1
33	27	PAOZZ	5340-01-083-5527	19207	7411079	C59, 140, 26F STRAP RETAININGA09, A10, A11, A12, A13, A14, C13,	EA	2
33	27	PAOZZ	5340-00-977-0815	19207	7411080	STRAP RETAININGA09, A10, A11, A12, A13, A14, C13,	EA	2
33	28	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW CAP HEXAGON HA09, A10, A11, A12, A13, A14,	EA	4
33	28	PAOZZ	5305-00-964-0564	96906	MS51095-372	SCREW CAP HEXAGON HA09, A10, A11, A12, A13, A14,	EA	1
33	29	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER LOCKA09, A10, A11, A12, A13, A14, C13, C58	EA	6
33	30	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT PLAIN HEXAGON A09, A10, A11, A12, A13, A14, C13	EA	6
33	31	PAOZZ	2530-00-270-3878	19207	7014965	DUMMY COUPLING AUTOA09, A10, A11, A12, A13, A14, C	13EA	2
33	32	PAOZZ	4730-00-595-0083	96906	MS35746-1	, C58, C59, 140, 26F COUPLING HALF QUICKA09, A10, A11, A12, A13, A14, C13	BEA	2
33	33	PAOZZ	4730-00-249-3935	96906	MS39231-4	, C58, C59, 140, 26F ELBOW PIPEA09, A10, A11, A12, A13, A14, C13, C58	EA	2
33	34	PAOZZ	4730-00-196-0883	19422	BM11399-108	BUSHING PIPE A09, A10, A11, A12, A13, A14, C13, C58	EA	2
33	35	PAOZZ	4820-00-420-5499	04741	25-A-257	VALVE BALL AIR CUTOFFA09, A10, A11, A12, A13, A14	EA	2
33	36	PAOZZ	4710-00-203-3172	19207	8689208	TUBE METALLICA09, A10, A11, A12, A13, A14, C13,	EA	32
33	37	PAOZZ	5310-00-732-0558	96906	MS51967-8		EA	6
33	38	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER LOCKA09, A10, A11, A12, A13, A14, C13, C58	EA	6
33	39	PAOZZ	5305-00-942-2196	96906	MS18154-60	, C59, 140, 26F SCREW CAP HEXAGON HA09, A10, A11, A12, A13, A14, C	13EA	6
33	40	PBOZZ	2530-00-157-1396	19207	8730456	BRACKET MOUNTINGA09, A10, A11, A12, A13, A14, C13	EA	2
33	41	PBOZZ	2530-00-946-8370	19207	8730455	CHAMBER AIR BRAKEA09, A10, A11, A12, A13, A14, C13	EA	2
33	42	PAOZZ	5310-00-763-8905	96906	MS51968-20	, C58, C59, 140, 26F NUT PLAIN HEXAGONA09, A10, A11, A12, A13, A14, C13,	EA	4
33	43	PAOZZ	5310-00-820-6653	80045	23MS35338-50	WASHER LOCK .A09, A10, A11, A12, A13, A14, C13,	EA	4
33	44	PAOZZ	5310-00-820-6652	96906	MS35489-72		EA	8
33	45	PAOZZ	4720-00-678-6125	19207	8747263	, C58, C59, 140, 26F HOSE ASSEMBLY NONMEA09, A10, A11, A12, A13, A14	EA	2
33	46	PAOZZ	4730-00-187-7612	96906	MS39233-4	C13, C58, C59, 140, 26F COUPLING PIPE A09, A10, A11, A12, A13, A14,	EA	2
33 4	47	XDOZZ		19207	7091890	, 140, 26F BOLT ASSEMBLYA09, A10, A11, A12, A13, A14, C13, C58, 	C58,	EA
33		PAOZZ	4730-00-069-1186	96906	MS39179-5	ADAPTER STRAIGHT PIA09, A10, A11, A12, A13, A14, C13		12
33 33		PAOZZ PAOZZ	5310-00-891-3428 5310-00-582-6714	96906 96906	MS35691-77 MS35333-49	NUT PLAIN HEXAGON         C13           WASHER LOCK         C13	EA EA	2 2

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	QTY INC IN UNIT
33	51	PAOZZ	4730-01-050-3498	19207	10929836	FITTING, BULKHEADC13	EA	2
					E-7	9		

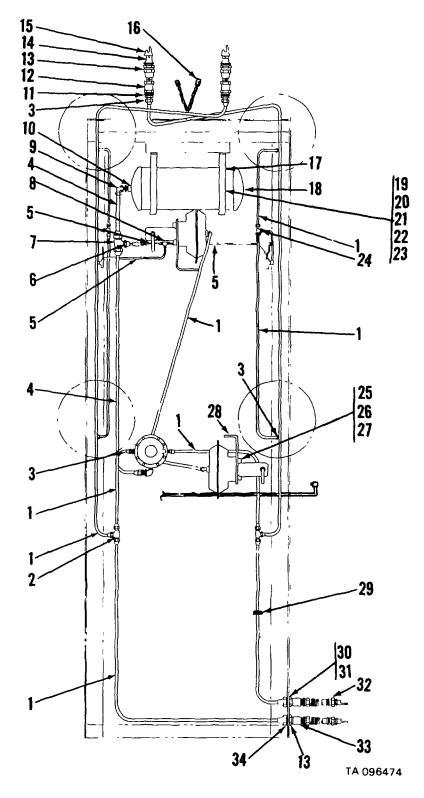


Figure 34. Brake and air suspension air Ilnes, XM844, XM845, XM847, XM848, XM849, XM850.

ILLUSTF	1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		<b>ΩΤΥ</b>
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
								UNIT
34	1	PAOZZ	4710-00-203-3172	19207	868208	TUBE METALLIC C14, C15, C16, C17, C18, C19	FT	40
34		PAOZZ	4730-00-896-0837	96906	MS9188-2	TEE, TUBE	EΑ	2
34		PAOZZ PAOZZ	4730-00-069-1186 4710-00-277-5529	96906 19207	MS39179-5 8689210	ADAPTER STRAIGHT C14, C15, C16, C17, C18, C19 TUBE, METALLIC C14, C15, C16, C17, C18, C19	EA FT	8 5
34		PAOZZ	4710-00-277-5525	19207	8689206	TUBE, METALLIC C14, C15, C16, C17, C18, C19	FT	7
34 34		PAOZZ PAOZZ	4730-00-231-5644 4730-01-131-5951	96906 96906	MS39232-2 MS39190-5	REDUCER, PIPE C14, C15, C16, C17, C18, C19 TEE, PIPE TO TUBE. C14, C15, C16, C17, C18, C19	EA EA	1 1
34		PAOZZ	4730-00-921-3241	96906	MS39188-1	TEE, TUBE	EA	i
34 34		PAOZZ PAOZZ	4820-00-849-1220	96906 96906	MS39171-7 MS35782-5	ELBOW, PIPE TO TUBE C14, C15, C16, C17, C18, C19 COCK DRAIN	EA EA	1 1
34		PAOZZ	4730-00-196-0883	19422	BM11399-108	BUSHING, PIPE C14, C15, C16, C17, C18, C19	EA	2
34		PAOZZ	4820-00-350-6495	24617	695988	COCK, PLUG	EΑ	2
34		PAOZZ PAOZZ	4730-00-244-9848 4730-00-249-3935	19207 96906	5228623 MS39231-4	NIPPLE, PIPE	EA EA	4 2
34		PAOZO	4730-00-595-0083	96906	MS35746-1	COUPLING, HALF QUICKC14, C15, C16, C17, C18, C19	EA	2
34		PAOZZ PAOZZ	2530-00-270-3878 5340-00-977-0815	19207 19207	7014965 7411080	DUMMY, COUPLING. C14, C15, C16, C17, C18, C19 STRAP RETAINING C14, C15, C16, C17, C18, C19	EA EA	2 2
34	18	PAOZZ	2530-00-741-1078	19207	7411078	RESERVIOR AIR C14, C15, C16, C17, C18, C19	EΑ	1
34		PAOZZ PAOZZ	5340-01-083-5527 5305-00-269-2803	19207 96906	7411079 MS90726-60	STRAP, RETAINING . C14, C15, C16, C17, C18, C19 SCREW, CAP, HEXAGONC14, C15, C16, C17, C18, C19	EA EA	2   4
34		PAOZZ	5305-00-269-3250	96906	MS90727-74	SCREW CAP, HEXAGON HC14, C15, C16, C17, C18, C19	EA	2
34		PAOZZ PAOZZ	5310-00-637-9541	96906 96906	MS24227-46 MS51968-8	WASHER LOCK C14, C15, C16, C17, C18, C19 NUT PLAIN HEXAGONC14, C15, C16, C17, C18, C19	EA EA	6 6
34	-	PAOZZ	5310-00-732-0559	96906	MS51811-4	TEE, TUBE BRAKE LINEC14, C15, C16, C17, C18, C19	EA	2
34 34		PBOZZ PAOZZ	2530-00-946-8370	19207	8730455	CHAMBER AIR BRAKEC14, C15, C16, C17, C18, C19	EA EA	2 4
34	-	PAOZZ	5310-00-763-8905 5310-00-820-6653	96906 80045	MS51968-20 23MS35338-50	NUT PLAIN HEXAGONC14, C15, C16, C17, C18, C19 WASHER LOCK C14, C15, C16, C17, C18, C19	EA	4 4
34	-	PBOZZ	2530-00-157-1396	19207	8730456	BRACKET, MOUNTINGC14, C15, C16, C17, C18, C19	ΕA	2
34		PAOZZ PAOZZ	5325-00-814-3316 5320-00-982-3815	96906 96906	MS35489-105 MS24662-153	GROMMET NONMETALLICC14, C15, C16, C17, C18, C19 RIVET BLIND	EA EA	22
34	31	PAOZZ	9905-00-999-7369	96906	MS53007-2	PLATE IDENTIFICATIOC14, C15, C16, C17, C18, C19	EΑ	2
34		PAOZZ PAOZZ	4720-00-678-6125 4730-00-187-7612	19207 96906	8747263 MS39233-4	HOSE ASSEMBLY NONMEC14, C15, C16, C17, C18, C19 COUPLING PIPE C14, C15, C16, C17, C18, C19	EA EA	2 2
34		PAOZZ	9905-00-999-7370	96906	MS3007-1	PLATE IDENTIFICATIOC14, C15, C16, C17, C18, C19	EΑ	2
					E-8	1		

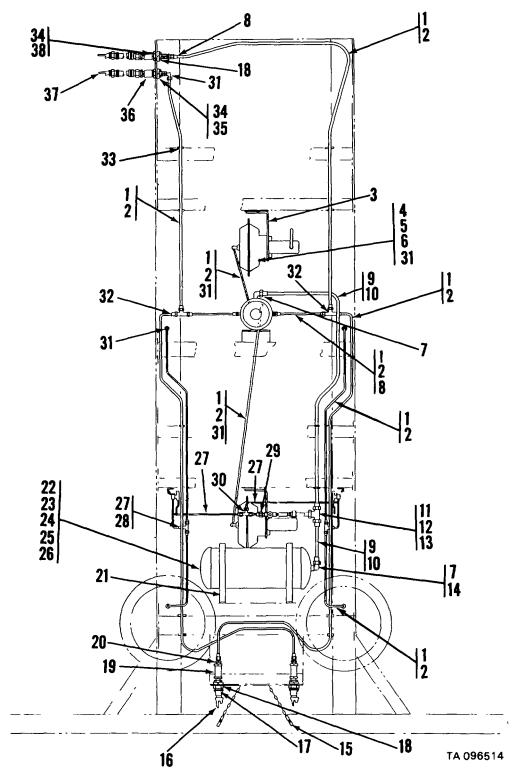


Figure 35. Brake and air suspension air lines, XM912, XM913. **E-82** 

			1	1	1			
(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI		, ,	` '	` ´		DESCRIPTION	\	`´
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
35		PAOZZ	4720-01-014-4915	19207	CPR104420-2	HOSE NONMETALLIC	FT	41
35 35		PAOZZ PAOZZ	4730-01-079-8821 2530-00-157-1396	19207 19207	CPR102321-1 8730456	SLEEVE FLARED TUBE	EA EA	22 2
35	-	PAOZZ	2530-00-157-1596	19207	8730455	CHAMBER, AIR BRAKE	EA	2
35		PAOZZ	5310-00-763-8905	96906	MS51968-20	NUT, PLAIN HEXAGON	EA	4
35	-	PAOZZ	5310-00-820-6653	80045	23MS35338-50	WASHER LOCK	EA	4
35		PAOZZ	4730-00-289-0051	96906	MS39182-6	ELBOW PIPE TO TUBE	EA EA	2
35 35		PAOZZ PAOZZ	4730-00-069-1186 4720-01-040-0592	96906 19207	MS39179-5 CPR104420-3	ADAPTER STRAIGHT	FT	3 6
35	-	PAOZZ	4730-01-032-6038	19207	CPR102321-4	SLEEVE, FLARED TUBE	EA	4
35		PAOZZ	4730-00-240-9159	96906	MS39188-3	TEE TUBE	EΑ	1
35		PAOZZ	4710-00-277-5529	19207	8689210	TUBE METALLIC AIR BRAKE LINE (3 IN) C61, C62	EA	3
35 35	-	PAOZZ PAOZZ	4730-00-203-0028 4820-00-849-1220	56442 96906	1014M5 MS35782-5	ADAPTER STRAIGHT, PI	EA EA	1 1
35		PAOZZ	2530-00-270-3878	19207	7014965	DUMMY COUPLING AUTO	EA	2
35		PAOZA	4730-00-595-0083	96906	MS35746-1	COUPLING HALF QUICK	EA	2
35	17	PAOZZ	4730-00-249-3935	96906	MS39231-4	ELBOW PIPE	EΑ	2
35	18	PAOZZ	4730-00-244-9848	19207	5228623	NIPPLE TANK	EΑ	4
35 35		PAOZZ PAOZZ	4820-00-629-2180 4730-00-837-1177	19207 96906	10945045 MS39179-7	COCK PLUGC61, C62 ADAPTER STRAIGHTC61, C62	EA EA	2 2
35		PAOZZ	5340-00-977-0815	19207	7411080	STRAP RETAINING	EA	2
35	21	PAOZZ	5340-01-083-5527	19207	7411079	STRAP RETAINING	EΑ	2
35		PAOZZ	2530-00-741-1078	19207	7411078	RESERVIOR AIR	EA	1
35 35	-	PAOZZ PAOZZ	5310-00-732-0559 5310-00-637-9541	96906 96906	MS51968-8 MS35338-46	NUT, PLAIN HEXAGON	EA EA	6
35		PAOZZ	5305-00-269-2803	96906	MS90726-60	SCREW, CAP, HEXAGON H	EA	4
35		PAOZZ	5305-00-269-3250	96906	MS90726-74	SCREW, CAP, HEXAGON H	EA	2
35		PAOZZ	4710-00-277-5525	19207	8689206	TUBE. NONMETALLIC	FT	5
35		PAOZZ	4730-01-102-3704	06853	225760	TEE TUBE	EA	2
35 35		PAOZZ PAOZZ	4730-00-270-4580 4730-00-921-3241	96906 96906	MS39179-2 MS39188-1	ADAPTER STRAIGHT	EA EA	1   1
35		PAOZZ	4730-00-921-3241	96906	MS39182-3	ELBOW PIPE TO TUBE	EA	9
35		PAOZZ	4730-00-896-0837	96906	MS39188-2	TEE TUBE	EΑ	2
35		PAOZZ	5325-00-814-3316	96906	MS35489-105	GROMMET NONMETALLIC	EA	18
35		PAOZZ PAOZZ	5320-00-982-3815	96906	MS24662-153	RIVET, BLIND	EA	8
35 35		PAOZZ	9905-00-999-7369 4730-00-187-7612	96906 96906	MS53007-2 MS39233-4	COUPLING, PIPE	EA EA	2 2
35		PAOZZ	4720-00-678-6125	19207	8747263	HOSE ASSEMBLY, NONME	EA	2
35	38	PAOZZ	9905-00-999-7370	96906	MS53007-1	PLATE, IDENTIFICATIOC61, C62	EΑ	2
				1				
				1				
						_		
			1	1	E-8	ß		

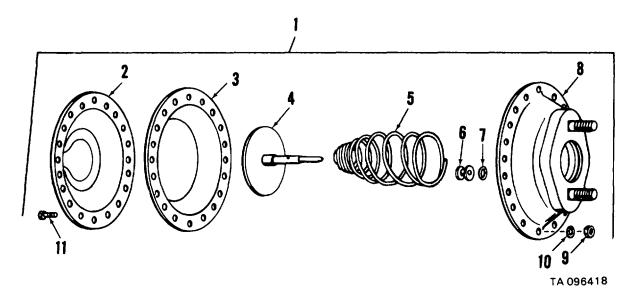


Figure 36. Brake air chamber.

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI (a)			NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC
36 36 36 36 36 36 36 36 36 36	2 3 4 5 6 7 8 9 10	PAOZZ XAOZZ PAOZZ PAOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2530-00-142-6045 2530-00-318-1227 5360-00-780-0508 5330-00-067-3358 5310-00-732-0559 5310-00-637-9541 5305-00-269-2803	19207 19207 19207 19207 19207 19207 19207 19207 96906 96906	11668361 8380817 8380805 8380818 8380802 8380814 7352008 83808081 MS51968-8 MS35338-46 MS90726-60	CHAMBER, AIR BRAKE AIR HYDRAULIC SYSTEM. COVER ASSEMBLY	EAA EAA EA	2 1 1 1 1 1 2 18 18 16

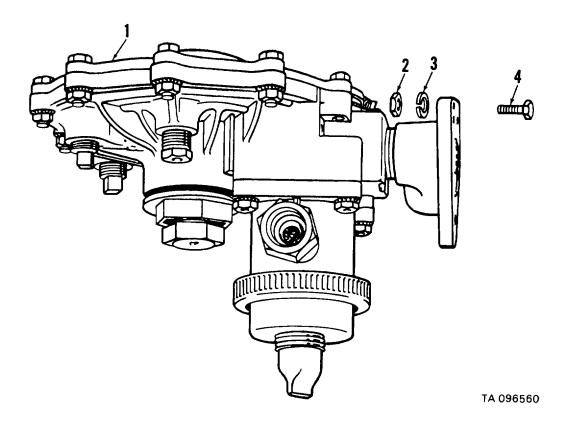


Figure 37. Relay valve.

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
	1 1 2 3			96906 96906 96906 96906 96906		VALVE, RELAY, EMERGENA09, A10, A11, A12, A13		IN

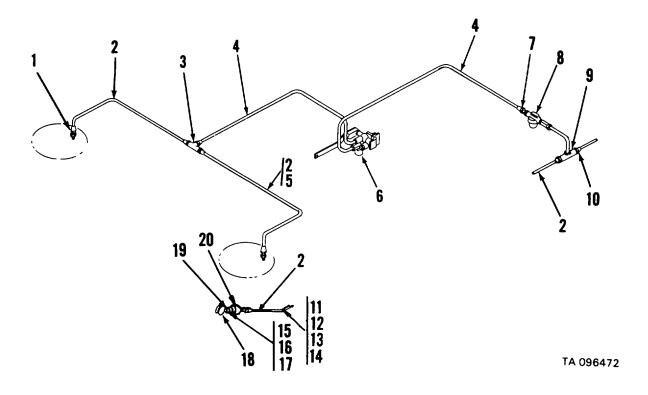


Figure 38. Air mounted kingpin air lines, XM847, XM848, XM849, XM850. E-88

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI	RATION	(2)		(4)	(5)	DESCRIPTION	(1)	(0)
(a) FIG	(b) ITEM	SMR	NATIONAL STOCK		PART			QTY   INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
38	1	PAOZZ	4730-00-069-1186	96906	MS39179-5	ADAPTER STRAIGHT	EA	4
38		PAOZZ	4710-00-203-3172	19207	8689208	TUBE , METALLIC HT CONTROL LINE (1 FT)C16, C17,	FT	13
38 38		XDOZZ PAOZZ	4710-00-277-5525	96906 19207	MS51811-4 8689206	TEE TUBE	EA FT	1 3
38	5	PAOZZ	5325-01-039-4574	19207	10906797	GROMMET NONMETALLICC16, C17, C18, C19	EΑ	14
38 38		PAOZZ PAOZZ	2510-01-092-4051	96906 19207	MS35490-61 11684410	GROMMET NONMETALLIC	EA EA	18 1
38 38		PAOZZ PAOZZ	4730-00-270-4580 2530-00-075-5856	96906 19207	MS39179-2 11684346	ADAPTER STRAIGHT	EA EA	1 1
38	9	PAOZZ	4730-00-494-6580	96906	MS39190-3	TEE, PIPE TO TUBE	EΑ	1
38 38		PAOZZ XDOZZ	4730-00-278-3213 5310-00-761-6882	30327 96906	MS39190-2 MS51967-2	NIPPLE, TUBE	EA EA	2 2
38 38		PAOZZ PAOZZ	5310-00-550-1130 5305-00-988-1725	96906 96906	MS35333-40 MS35206-281	WASHER LOCK	EA EA	2 2
38	14	PAOZZ	5340-00-809-1492	96906	MS21333-100	CLAMP LOOP	EΑ	2
38 38		PAOZZ PAOZZ	5320-00-982-3815 9905-00-999-7370	96906 96906	MS24662-153 MS53007-1	RIVET BLIND	EA EA	8 2
38 38		PAOZZ PAOZO	9905-00-999-7369 4730-00-595-0083	96906 96906	MS53007-2 MS35746-1	PLATE	EA EA	2 2
38	19	PAOZZ	4730-00-244-9848	19207	5228623	NIPPLE PIPE	EΑ	2
38	20	PAOZZ	5310-01-053-1444	19207	10891417	WASHER BEVEL	EA	4

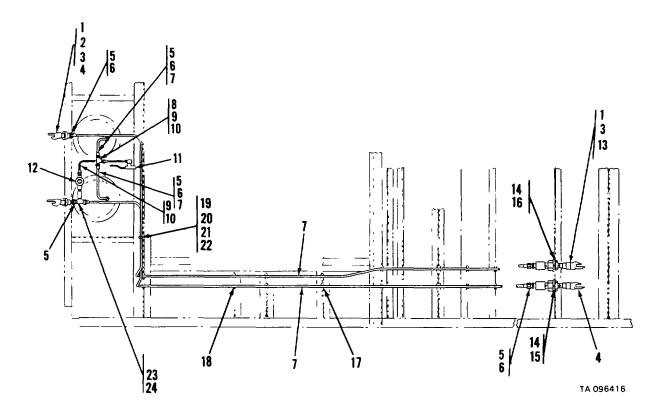


Figure 39. Air mounted kingpin air lines, XM912, XM913. **E-90** 

L	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) (b) FIG ITEM NO. NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION  USABLE ON CODE	U/M	QTY INC IN UNIT
39	PAOZO PAOZZ	4730-00-595-0083 5310-01-053-1444 4730-00-244-9848 2530-00-270-3878 4730-01-069-1186 4730-01-019-8821 4730-01-101-4915 4730-01-102-3704 4730-00-277-5525 2510-01-092-4051 2530-00-075-5856 4730-00-249-3935 5320-00-982-3815 9905-00-999-7370 5325-01-039-4574 5325-00-814-3316 5310-00-761-6882 5310-00-550-1130 5305-00-988-1725 5340-00-809-1492 4710-00-203-3172 4730-00-494-6580	96906 19207 96906 96906	MS35746-1 10891417 5228623 7014965 MS39179-5 CPR102321-1 CPR104420-2 225760 MS39179-2 8669206 11684410 11684346 MS39231-4 MS24662-153 MS53007-2 MS353007-1 10906797 MS35489-105 MS51967-2 MS35333-40 MS35206-281 MS21333-100 8689208 MS39190-3	COUPLING, HALF, QUICK	EEEEEEFEEEFEEEEE EEEENE	4 4 4 4 7 8 6 3 1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

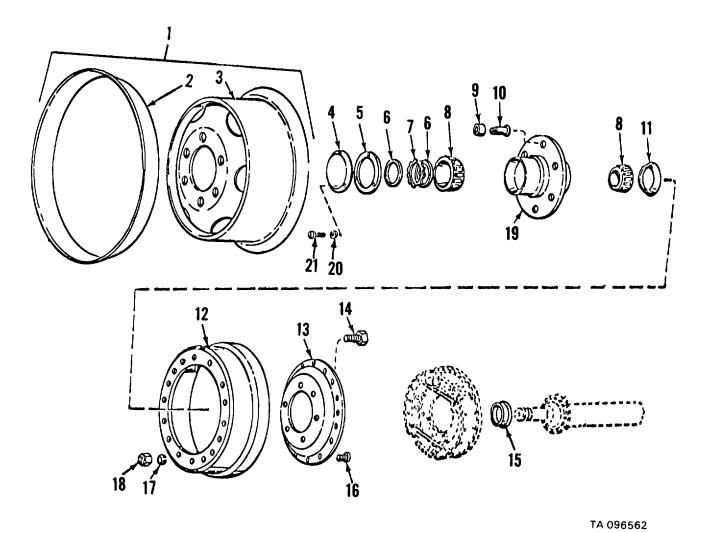


Figure 40. Wheel assembly.

			1					
(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	`´	, ,	DESCRIPTION	. ,	`
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
40		PAOZZ	2530-00-024-0265	19207		WHEEL PNEUMATIC	EΑ	8
40		PAOZZ PAOZZ	2530-00-738-9061 2530-00-738-9620	19207 19207		RING SIDE	EA EA	8 8
40	-	PAOZZ	1015-00-614-4454	19207		CAP	EA	4
40		PAOZZ	5330-00-614-4356	19207		GASKET	ĒΑ	4
40	-	PAOZZ	5310-00-741-1379	19207		NUT PLAIN OCTAGON	EΑ	8
40		PAOZZ	5310-00-741-1378	19207		WASHER KEY	EΑ	4
40		PAOZZ PAOZZ	3110-00-100-5951 5310-00-880-2004	96906 96906		BEARING ROLLER U/O NHA 8758911, 11684319 NUT PLAIN SINGLE BA BALL SEAT OUTER LH U/O NHA	EA EA	8 12
-+0	3	. ,	0010 00 000 2007			8758911, 11684319		'-
40	-	PAOZZ	5310-00-500-0387	21450		NUT PLAIN SINGLE	EΑ	12
40	-	PAOZZ	2530-00-693-1029	96906		NUT CAP DUAL WHEEL	EΑ	12
40 40		PAOZZ PAOZZ	2530-00-359-1162 5330-00-741-1429	96906 19207		NUT CAP DUAL WHEEL	EA EA	12 4
40		PAOZZ	2530-00-741-1425	19207		BRAKE DRUM	EA	4
40		PAOZZ	2530-00-741-3231	19207		BACK, FRONT BRAKE	ĒΑ	4
40		PAOZZ	5306-00-733-9239	96906		BOLT RIBBED SHOULDE	EΑ	12
40		PAOZZ	5306-00-383-4957	96906		BOLT RIBBED SHOULDE	EΑ	12
40		PAOZZ PAOZZ	5365-00-741-1433 5306-00-335-4768	19207 19207		SPACER SLEEVE	EA EA	4 72
40	-	PAOZZ	5310-00-080-6004	96906		WASHER FLAT	EA	72
40	18	PAOZZ	5310-00-982-4908	19207		NUT SELF LOCKING	EΑ	72
40	-	PAOZZ	1440-00-735-5316	19207		HUB BODY	EΑ	4
40	-	PAOZZ PAOZZ	5310-00-582-5965 5305-00-988-1723	96906 96906		WASHER LOCK	EA EA	12 12
40	21	PAUZZ	5305-00-966-1723	96906		SCREW MACHINE	EA	12
			1	1	E-9	3		1

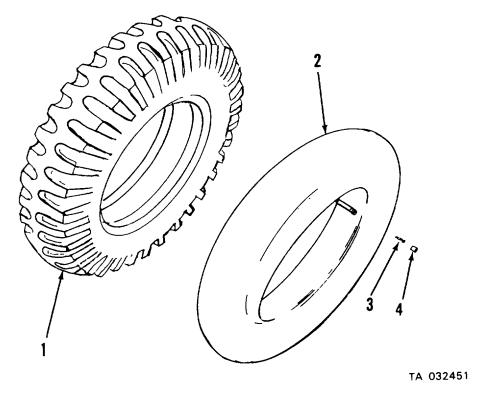


Figure 41. Tire and tube. **E-94** 

(a) FIG NO.	(1) RATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4)	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	QTY INC
	NO. 1 2 3			81348 82.370 96906 96906		USABLE ON CODE  TIRE, PNEUMATIC 72100		
					E-9			

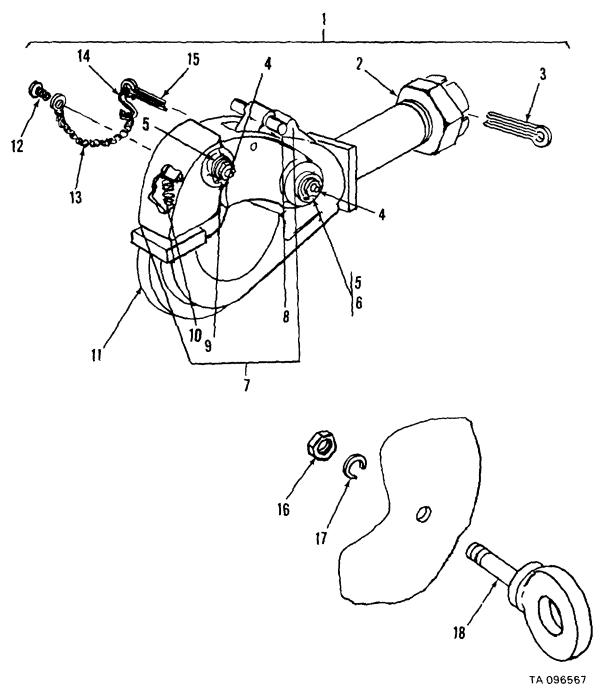


Figure 42. Pintle and towing attachments.

(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI (a)			NATIONAL		. ,	DESCRIPTION		QTY
FIG	ITEM		STOCK	F0.014	PART	UCARLE ON CORE		INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN UNIT
						GROUP 15 FRAME, TOWING ATTACHMENTS GROUP 1503 PINTLES AND TOWING ATTACHEMENTS		
42 1P 42 42 42 42 42 42 42 42 42 42 42 42 42 42	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2540-00-0 PAOZZ	078-6633 5310-00-849-6882 5315-00-846-0126 4730-00-050-4203 5365-00-803-7301 5315-00-290-6132 2540-01-023-5116 5315-00-752-4316 5360-00-704-4253 2540-00-078-6633 5305-00-253-5626 4010-00-129-3221 4030-00-916-2141 5315-00-243-1169 5310-00-67-6356 5310-00-584-7888 5306-00-150-3075	96906 96906 96906 19207 19207 19207 19207 96906 81348 96906 80020 96906 96906 96906	MS51335-1 MS35692-94 MS24665-628 MS15001-1 MS16624-1050 7524315 8380197 8380196 7524316 7044253 MS51335-1 MS21318-47 RRC271B562CL 2D8A072 MS87006-53 36344N24 MS51922-57 MS35338-51 MS51937-8	GROUP 1503 PINTLES AND TOWING ATTACHEMENTS PINLE ASSEMBLY •NUT, PLAIN, SLOTTED, H	EAAAAAAAA EE EEEEEEEEEEEEEEEEEEEEEEEEE	1 1 1 2 4 1 1 1 1 1 2 2 2
					E-9	7		

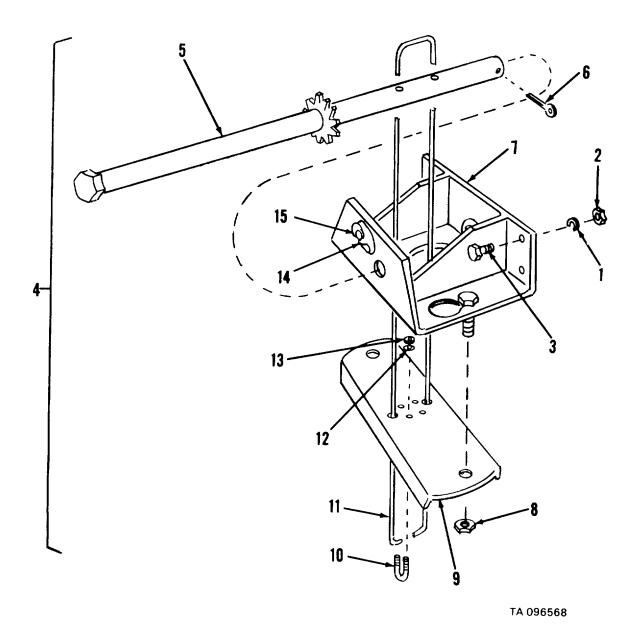


Figure 43. Spare wheel carrier.

(ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 1504 SPARE WHEEL CARRIER		
43	1	PAOZZ	5310-00-768-0318	96906	MS51967-14	NUT, PLAIN, HEXAGON	EA	4
43	2	PAOZZ	5310-00-809-599	96906	MS27183-17	WASHER, FLAT .A09, A10, A11, A12, A13, A14, C13,140, 26F, C13.140.C26F	EA	4
43 43		PAOZZ PAOZZ	5310-00-809-4085 5310-00-809-4085	96806 96906	MS27183 MS27183-16	WASHER, FLAT	EA EA	4 4
43 4	3	PAOZZ	5305-00-044-4153	96906	MS90725-109	SCREW, CAP, HEXAGON HA09, A10, A11, A12, A13, A14		EA
43	3	PAOZZ	5305-00-915-8087	96906	MS18154-113		EA	4
43 43 43 43 43 43 43 43 43 43	5 6 7 8 9 10 11 12 13 14	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2510-00-752-1160 2510-00-752-1157 5315-00-298-1481 2510-00-752-1163 5310-00-017-9721 2510-00-752-1161 5306-00-017-9722 4010-01-074-5029 5310-00-637-9541 5310-00-761-6882 3040-00-752-1156 5320-00-285-1025	19207 19207 96906 19207 19207 19207 19207 96906 96906 19207	7521160 7521157 MS24665-357 7521163 7418892 7521161 7739666 7521159 MS35338-46 MS51967-2 7521156 8327759	CARRIER, SPARE WHEEL SEMITRAILER  *RATCHET, WHEEL  *PIN, COTTER  *FRAME ASSEMBLY  *NUT, PLAIN, HEXAGON  *MEMBER  *BOLT, U  *WIRE ROPE  *WASHER, LOCK  *NUT, PLAIN, HEXAGON  *PAWL  *RIVET, SOLID PAWL ATTACHING.	E A A A A A A A A A A A A A A A A A A A	1 1 1 1 2 1 2 V 4 4 1 1

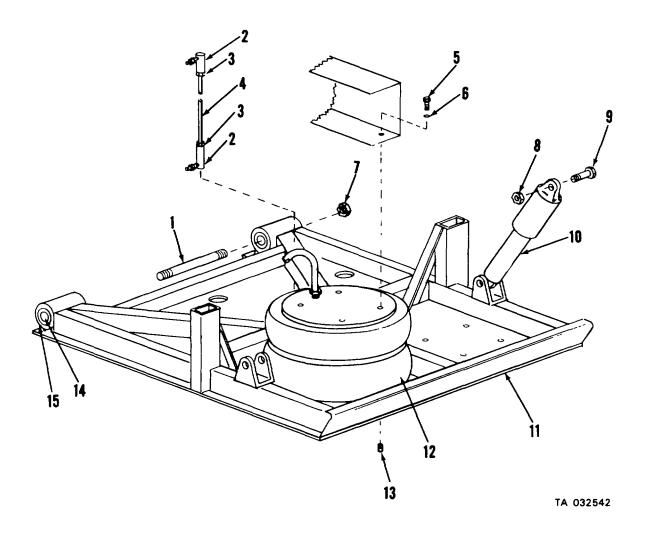


Figure 44. Air mounted fifth wheel kingpin assembly, XM847, XM848, XM849, XM850, XM912, XM913.

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 1504 FIFTH WHEEL		
44 44		-PAOZZ PAOZZ	5307-01-118-6021 3040-01-092-4125	19207 19207	11684365 11684335	BOLT, ROD	EA EA	2 2
44	3	PAOZZ	5310-00-853-9335	96906	MS35691-13	NUT, PLAIN, HEXAGON HEIGHT CONTROL ROD C16, C17, C18, C19, C61, C62'	EA	2
44 44 44 44 4	5 6	PAOZZ PAOZZ PAOZZ PAOZZ	5307-01-111-7093 5305-00-942-2196 5310-00-637-9541 5310-00-016-7361	19207 96906 96906 96906	11684334 MS18154-60 MS35338-46 MS21083N18	ROD, HEIGHT CONTRO C16, C17, C18, C19, C61, C62 SCREW, CAP, HEXAGON HC16, C17, C18, C19, C61, C62 WASHER, LOCKC16, C17, C18, C19, C61, C62 NUT, SELF-LOCKINGC16, C17, C18, C19, C61, C62	EA EA EA	1 8 8 EA
4 44 44 44 44 44 44	8 9 10 11 12 13 14	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5310-00-488-9342 5305-00-082-6977 2540-01-092-4133 2510-01-092-4046 5305-00-050-9215 2530-01-046-4695 5340-01-096-7556	96906 96906 19207 19207 19207 96906 19207 19207	MS21245-12 MS90727-192 11684344 11684362 11684360 MS24667-52 11684343 11684361	NUT, SELF-LOCKING, HEC16, C17, C18, C19, C61, C62 SCREW, CAP, HEXAGONC16, C17, C18, C19, C61, C62 ABSORBER, SHOCK C16, C17, C18, C19, C61, C62 PLATE ASSEMBLYC16, C17, C18, C19, C61, C62 SPRING, AIR C16, C17, C18, C19, C61, C62 SCREW, CAP, SOCKET HEC16, C17, C18, C19, C61, C62 SLEEVE, INNERC16, C17, C18, C19, C61, C62 BUSHING, RUBBER C16, C17, C18, C19, C61, C62	EAA EAA EAA EAA EAA EAA	4 4 2 1 2 8 2 2 2

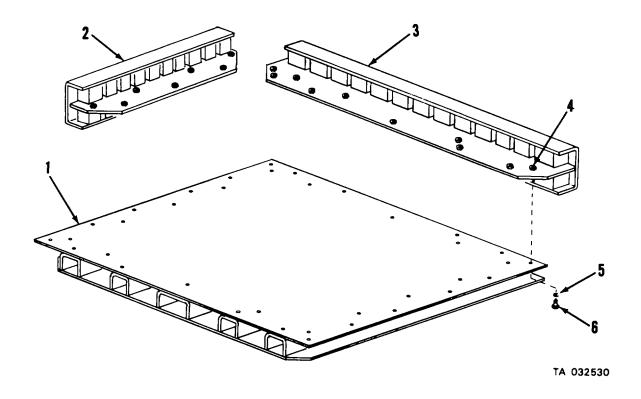
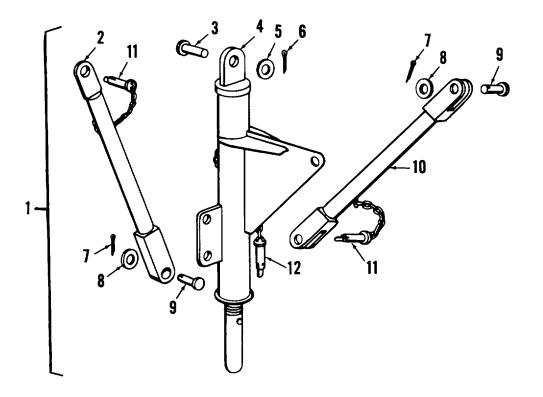


Figure 45. Resilient kingpin, XM844, XM845.

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
	NO.  1 2 3 4 5			19207 19207 19207 96906 96906 96906		USABLE ON CODE  FIFTH WHEEL PLATE RESILIENT KINGPIN C14, C15 ABSORBER, SHOCK LONGITUDINAL POSITION C14, C15 SHOCK INSULATOR TRANSVERSE POSITION C14, C15 NUT, PLAIN, HEXAGON	EA	IN



TA 096420

Figure 46. Leveling jack.

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG	(b)	SMR	NATIONAL STOCK		PART	DESCRIPTION		QTY INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
						GROUP 1507 LANDING AND LEVELING JACKS		
46	1	PBOZZ	2590-01-046-4882	19207	8747211	JACK, LEVELING-SUPPO LH A09, A10, A11, A12, A13,	EA	1
46	1	PBOZZ	2590-01-049-8907	19207	11681272-1	A14, C58, C59, 140, 26F SUPPORT, RETRACTABLE LH C13, C14, C15, C16, C17 C18, C19, C61, C62	EA	1
46	1	PBOZZ	2590-01-056-5416	19207	8747212	JACK, LEVELING-SUPPO RH A09, A10, A11, A12, A13, A14, C58, C59, 140, 26F	EA	1
46 1	1	PBOZZ	2590-01-052-9037	19207	11681272-2	SUPPORT, RETRACTABLE RH C13, C14, C15, C16, C17		EA
46	2	PBOZZ	2530-00-678-4093	19207	8747222	C18, C19, C61, C62 •BRACE	EA	1
46		PAOZZ	5315-00-904-7407	96906	MS20392-12C91	•PIN, STRAIGHT, HEADED	EA	2
46	4	PBOZZ	2530-00-678-4089	19207	874213	•HOUSING ASSY LH A09, A10, A11, A12, A13, A14 C58, C59, 140, 26F	EA	1
46	4	PBOZZ	2590-01-049-6759	19207	11681271-1	•HOUSING ASSEMBLY LH C13, C14, C15, C16, C17 C18, C19, C61, C62	EA	1
46	4	PBOZZ	2530-00-678-4090	19207	8747214	•HOUSING ASSY RH A09, A10, A11, A12, A13, A14. C58, C59, 140, 26F	EA	1
46	4	PBOZZ	2590-01-049-6760	19207	11681271-2	*HOUSING ASSEMBLY RH C13, C14, C15, C16, C17 C18, C19, C61, C62	EA	1
46	_	PAOZZ	5310-00-809-8541	96906	MS27183-27	•WASHER, FLAT	EA	1
46		PAOZZ	5315-00-013-7238	96906	MS24665-425	•PIN, COTTER	EA	1 1
46		PAOZZ	5315-00-849-9857	96906	MS24665-421	•PIN, COTTER	EA	2 2
46 46	8	PAOZZ PAOZZ	5310-00-809-8533 5315-00-013-8143	96906 96906	MS27183-23 MS35810-38	•WASHER, FLAT •PIN, STRAIGHT, HEADED	EA EA	2
46	_	PBOZZ	2530-00-678-4091	19207	8747215	•BRACE A09, A10, A11, A12, A13, A14	EA	1
46	10	PBOZZ	2590-01-049-6758	19207	11681267	•BRACE ASSEMBLY C13, C14, C15, C16, C17	EA	1
46		PAOZZ	4010-01-059-2093	19207	8747218-1	•PIN AND CHAIN	EΑ	2
46	12	PAOZZ	2530-00-678-4092	19207	8747218	•PIN AND CHAIN	EA	1

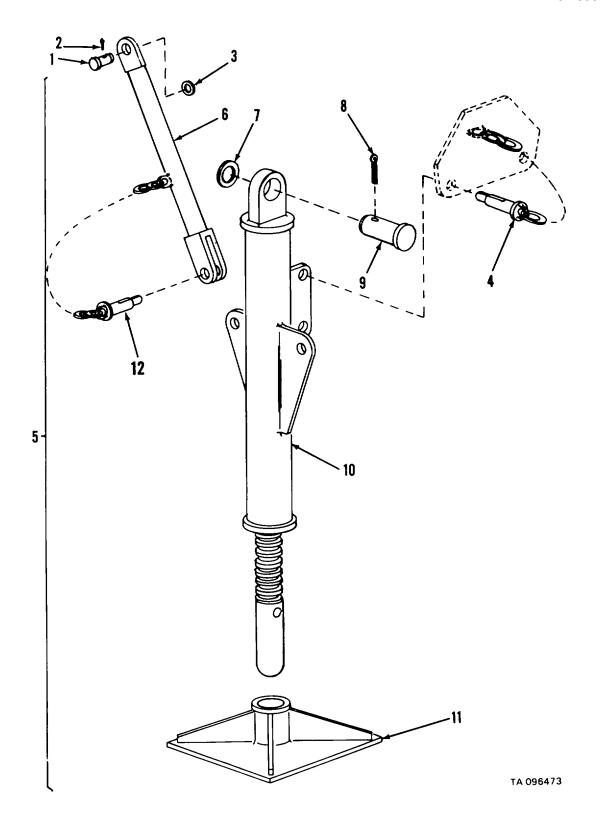


Figure 47. Leveling jack, center, XM738, XM739, XM739E1.

(¹ ILLUSTF	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
47 47 47 47 47 47 47 47 47 47 47 47 47 4	2 3 4 5 6 7 8 9 10 11	PAOZZ PAOZZ PAOZZ PAOZZ PBOZZ PBOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5315-00-013-8143 5315-00-849-9857 5310-00-809-8533 2530-00-678-4092 2590-01-093-0661 2590-01-091-7622 5310-00-809-8541 5315-00-013-7238 5315-00-904-7407 2590-00-856-1952 2530-00-678-4092	96906 96906 19207 40670 40670 96906 96906 96907 19207 19207	MS35810-38 MS24665-421 MS27183-23 8747218 9772075 9772076 MS27183-27 MS24665-425 MS20392-12091 9772074 8747207 8747218	PIN, STRAIGHT, HEADED A11, 140, 26F	EA E	6 6 6 2 2 3 1 1 1 EA 3

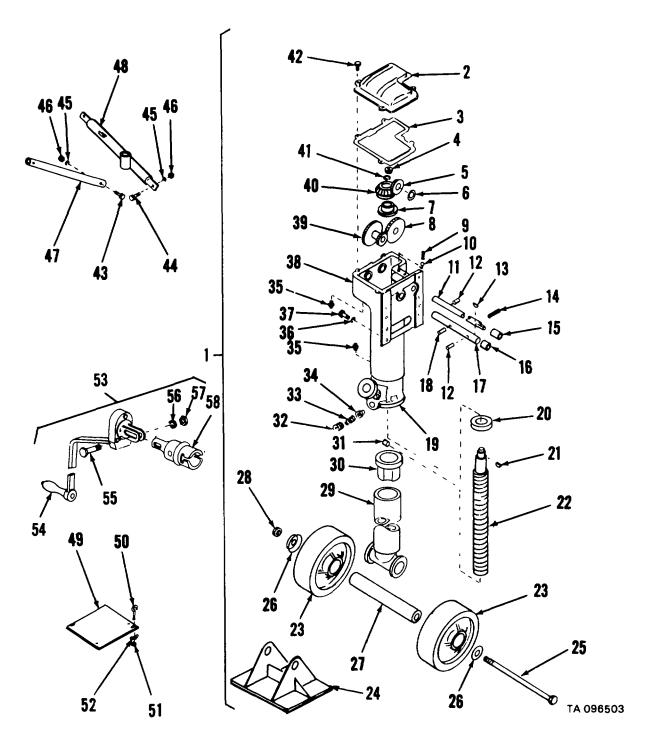


Figure 48. Landing gear (all models except XM847, XM848, XM849, XM850, XM912, XM913).

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			= =====================================		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN   Unit
48	1	PAOZZ	2590-00-78-0822	19207	10900549	LEG. SEMITRAILER LANDING GEAR, LEFT HAND	EA	1
40		D4077	0500 00 007 0040	40007	40000700	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26		
48 48		PAOZZ PAOZZ	2590-00-897-6049 2590-00-770-3430	19207 19207	10906769 7998651	LEG, SEMITRAILER RET LH A10 LEG, SEMITRAILER LANDING GEAR, RIGHT HAND	EA	EA
1						A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	_	
48	1	PAOZZ	2590-01-093-4289	19207	10906770	LEG, SEMITRAILER SUP RH	EΑ	1
48	2	XAOZZ		19207	10900555	•COVER, ACCESS GEAR BOX, LEFT HAND	EA	1
48	2	PAOZZ	2530-00-893-4100	19207	7974887	•COVER, ACCESS GEAR BOX, RIGHTR HAND	ΕA	1
48	2	PAOZZ	5330-00-513-9933	19207	7974885	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •GASKET A09, A11, A12, A13, A14, C13, C14, C15, C58,	ΕA	1 1
40						C59, 140, 26F	LA	
48	4	PAFZZ	5310-00-616-6857	80205	NAS1022A17	•NUT, SELF-LOCKING, HE U/O NHA 10900549, 10906769		EA
						7998651, 0906770		
48	5	PAFZZ	3020-00-701-4980	19207	8376574	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •GEAR, BEVEL A09, A11, A12, A13, A14, C13, C14, C15, C5		
EA	1						,	
48	6	PAFZZ	5310-00-220-6848	19207	8376583	C59, 140, 26F •WASHER, FLAT A09, A11, A12, A13, A14, C13, C14, C15,		EA
1						CER CEO 140 20E		
48	7	PAFZZ	3110-00-100-4220	96906	MS19081-137	C58, C59, 140, 26F •BEARING, ROLLER LANDING GEAR OPERATING.	EΑ	1
						SCREW, UPPER, RIGHT HAND	_	
48	7	PAFZZ	3110-00-100-0515	19207	706820	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •CUP, TAPERED ROLLER LANDING GEAR OPERATING	EA	1
						SCREW, LEFT HAND A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	_	
48	8	PAFZZ	3020-00-562-0488	19207	8376611	•GEAR CLUSTER, SPUR	EA	1
48	9	PAFZZ	5360-00-679-5658	19207	8376590	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •SPRING, HELICAL	EA	1 1
						A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	F	
48	10	PAFZZ	3110-00-100-6164	21450	169112	•BALL, BEARING    A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	EA	1
48	11	PAFZZ	2590-00-800-7756	19207	7045783	•SHAFT, STRAIGHT	EΑ	1
48	12	PAFZZ	5315-00-014-2543	96906	MS35671-64	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •PIN, GROOVED, HEADLES	ΕA	2
					MC2EZEC 45	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	F	
48	13	PAFZZ	5315-00-616-5530	96906	MS35756-15	•KEY, WOODRUFF	EA F	1
48	14	PAFZZ	5315-00-810-3704	96906	MS16562-80	•PIN, SPRING	EΑ	1
48	15	PBFZZ	3120-00-544-1535	80037	J-1166	•BEARING, SLEEVE	EΑ	1
48	16	PBFZZ	3120-00-701-4995	19207	8379857	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •BEARING, SLEEVE	ΕA	2
						A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	F	-
48	17	PBFZZ	3040-01-052-6236	19207	7045782	•SHAFT	EA F	1
48	18	PAFZZ	5315-00-844-5836	96906	MS16562-65	•PIN, SPRING	EΑ	1
48	19	PAFZZ	2590-01-054-0260	19207	10900552	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •LEG, SEMITRAILER	ΕA	1
						A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26		
48	19	PAFZZ	2590-01-053-0482	80837	J3227-6R-G	•LEG ASSEMBLY, LANDIN UPPER, RIGHT HAND LANDING GEAR LEG	EA	1
,		D 4 E 7 7	2440 00 447 0750	00000	M047400 40	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	F	
48	20	PAFZZ	3110-00-117-0759	96906	MS17169-12	•BEARING, ROLLER    A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	EA F	1
						, , , ,		

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
48 1	21	PAFZZ	5315-00-515-0495	19207	8376593	•KEY, MACHINE A09, A11, A12, A13, A14, C13, C14, C15,		EA
48 1	22	PAFZZ	2530-00-670-5334	19207	7045777	C58, C59, 140, 26F •SCREW A09, A11, A12, A13, A14, C13, C14, C15, C58, C59	9,	EA
48	23	PAOZZ	2530-01-050-5793	19207	11665871	140, 26F   •WHEEL, METAL TIRE	EA	2
48	24	PAOZZ	2590-00-847-0390	19207	8735553	•SHOE, VEHICLE SUPPOR	EΑ	1
48	25	PAOZZ	5306-00-322-7365	19207	8720979	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26	EΑ	1
48 48	-	PAOZZ PAOZZ	2530-00-774-4947	21450 19207	180882 7744947	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26  •BOLT, MACHINE	EA EA	1 2
48	27	PAOZZ	4710-00-322-7264	19207	8720974	•PIPE, METALLIC	EΑ	1
48 48		PAOZZ PAOZZ	2590-01-093-4155 5310-00-841-2041	19207 96906	8735554 MS35692-33	•AXLE, LANDING LEG, FO	EA EA	1
48 48		PAOZZ PAFZZ	5310-00-849-6882 2590-00-896-9025	96906 19207	MS35692-94 7045779	•NUT, PLAIN, SLOTTED, H	EA EA	1
48	30	PAFZZ	5310-00-586-1767	19207	8376595	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •NUT, SLEEVE A09, A11, A12, A13, A14, C13, C14, C15,	EA	1
48	31	PAFZZ	5315-00-316-1063	19207	8376596	C58, C59, 140, 26F •PIN, SHOULDER	EA	2
48	32	PAOZZ	5365-00-678-6872	19207	8379625	•PLUG, MACHINE THREAD	EΑ	1
48	33	PAOZZ	5340-00-510-8828	19207	8735555	•CLIP, SPRING TENSION	EΑ	1
48	34	PAOZZ	2590-00-510-8829	19207	8376585	•GIB, JACK, LEVELING	EΑ	1 EA
2 48	35	PAOZZ	4730-00-050-4208	96906	MS15003-1	•FITTING, LUBRICATION	_	
48	36	PAOZZ	5310-00-584-5272	96906	MS35338-48	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26  •WASHER, LOCK	EΑ	9
48	37	PAOZZ	5305-00-725-4183	96906	MS90726-113	A09, A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26 •SCREW, CAP, HEXAGON	EΑ	9
48	38	XDFZZ		19207	10900554	•BOXK, GEAR UPPER LEG, LH	EΑ	1
48	38	XDFZZ		19207	7034589	•BOX, GEAR UPPER LEG, RH	EΑ	1
48	39	PAFZZ	302000-562-0487	19207	8376610	•GEAR CLUSTER, SPUR	EΑ	1
48 EA	40 1	PAFZZ	3020-00-319-6011	19207	8379855	•GEAR, BEVEL A09, A11, A12, A13, A14, C13, C14, C15, C5		
48	41	PAFZZ	5340-00-510-8831	19207	7974888	•BAND, RETAINING	EA	1
48	42	PAOZZ	5305-00-680-9197	19207	593599	•SCREW, ASSEMBLED WAS	EΑ	4
48	43	PAOZZ	5305-00-725-4138	96906	MS90726-170	SCREW, CAP, HEXAGON	EΑ	2
48	43	PAOZZ	5305-00-716-8179	96906	MS90726-121	SCREW, CAP, HEXAGON H	EΑ	4
48	44	PAOZZ	5305-00-727-5677	96906	MS90726-162	SCREW, CAP, HEXAGON A11, A12, A13, A14, C13, C14, C15, C58, C59, 140, 26F		

ATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
45 45 45	PAOZZ PAOZZ PAOZZ	5305-00-725-4183 5310-00-584-5272 5310-00-584-5272 5310-00-820-6653 5310-00-820-6653	96906 96906 96906 80045 80045	MS90726-113 MS35338-48 MS35338-48 23MS35338-50 23MS35338-50	SCREW, CAP, HEXAGON HA09, A10, A14 WASHER, LOCK	EA EA EA EA	4 8 4 4 4
46 46	PAOZZ PAOZZ	5310-00-732-0560 5310-00-732-0560 5310-00-763-8905 5310-00-763-8905	96906 96906 96906 96906	MS51968-14 MS51968-14 MS51968-20 MS51968-20	NUT, PLAIN, HEXAGON       A09, A14         NUT, PLAIN, HEXAGON       A10         NUT, PLAIN, HEXAGON       A09, A14	EA EA EA	4 8 4 EA
47	PBOZZ	2590-01-053-5140	19207	10882215	C59, 140, 26F BRACE A09, A10, A11, A12, A13, C13, C14, C15, C58		EA
48	PBOZZ	2510-01-056-5194	19207	10882216	C59, 140-26F BRACE ASSEMBLY LH A11, A12, A13, C13, C14, C15, 140,	26F	EA
		2510-01-056-6086 2510-01-056-6086	19207 19207	10882220 10882220	BRACE, INNER SUPPORT . A09, A10, A14, C58, C59 BRACE, INNER SUPPORT A09, A10, A11, A12, A13, C13, C	EA 14,	1 EA
49	PAOZZ	2540-00-773-9385	19207	8737178		EA	2
		5306-01-034-3000	19207	11589899	BOLT, EYE A09, A10, A11, A12, A13, C13, C14 	EA	2
51	PAOZZ	5310-00-880-7744	96906	MS51967-5			EA
52	PAOZZ	5310-00-828-8189	96906	MS35425-41	NUT, PLAIN, WING A09, A10, A11, A12, A13, C13, C14		EA
	-	2530-00-040-2856	19207 19207	10882190 8376602	CRANK ASSEMBLYC14, C15 •RATCHET LANDING GEAR A09, A10, A11, A12, A13, C13	EA	2 EA
55	PAOZZ	5305-00-782-9489	96906	MS90728-66	•SCREW, CAP, HEXAGON A09, A10, A11, A12, A13, C13, C	14E <i>P</i>	1
56	PAOZZ	5310-00-637-9541	96906	MS35338-46	•WASHER, LOCK A09, A10, A11, A12, A13, C13, C14		EA
57	PAOZZ	5310-00-732-0558	96906	MS51967-8	•NUT, PLAIN, HEXAGON A09, A10, A11, A12, A13, C13, C1		EA
58	PAOZZ	2590-01-092-4047	19207	10900556	•SOCKET	EA	1
	(b) ITEM NO.  44 45 45 45 45 45 45 45 46 46 46 46 46 46 46 46 47 50 51 52 53 54 55 56 57	(b)         SMR           ITEM         SMR           NO.         CODE           44         PAOZZ           45         PAOZZ           45         PAOZZ           45         PAOZZ           46         PAOZZ           46         PAOZZ           46         PAOZZ           47         PBOZZ           48         PBOZZ           48         PBOZZ           49         PAOZZ           50         PAOZZ           51         PAOZZ           52         PAOZZ           53         XDOZZ           54         PAOZZ           55         PAOZZ           56         PAOZZ	(b) ITEM NO.         SMR CODE         NATIONAL STOCK NUMBER           44 PAOZZ 45 5305-00-725-4183 PAOZZ 45 PAOZZ 5310-00-584-5272 PAOZZ 5310-00-584-5272 5310-00-820-6653 PAOZZ 5310-00-820-6653 PAOZZ 5310-00-820-6653 PAOZZ 5310-00-732-0560 PAOZZ 5310-00-732-0560 PAOZZ 5310-00-763-8905 PAOZZ 5310-00-763-8905 PAOZZ 5310-00-763-8905 PAOZZ 2590-01-053-5140           48 PBOZZ 2590-01-053-5140 PBOZZ 2510-01-056-6086 PBOZZ 2510-01-056-6086 PBOZZ 2510-01-056-6086 PAOZZ 5310-00-880-7744           49 PAOZZ 5310-00-773-9385 PAOZZ 5310-00-880-7744           50 PAOZZ 5310-00-880-7744 PAOZZ 5310-00-880-7744           51 PAOZZ 5310-00-828-8189 PAOZZ 530-00-040-2856           53 XD0ZZ 54 PAOZZ 5305-00-782-9489 PAOZZ 5310-00-637-9541           57 PAOZZ 5310-00-732-0558	(b) ITEM NO.         SMR CODE         NATIONAL STOCK NUMBER         FSCM           44 PAOZZ 45 PAOZZ 45 PAOZZ 45 PAOZZ 45 PAOZZ 5310-00-584-5272 45 PAOZZ 5310-00-584-5272 45 PAOZZ 5310-00-820-6653 80045 800	(b) ITEM NO.         SMR CODE         NATIONAL STOCK NUMBER         FSCM         PART NUMBER           44 PAOZZ 5305-00-725-4183 45 PAOZZ 5310-00-584-5272 96906 MS35338-48 150-00-584-5272 96906 PAOZZ 5310-00-820-6653 80045 23MS35338-48 23MS35338-48 23MS35338-50 23MS35338-40 23MS35338	Date   Date	Description   SMR   SMR   STOCK   NUMBER   PART   STOCK   ST

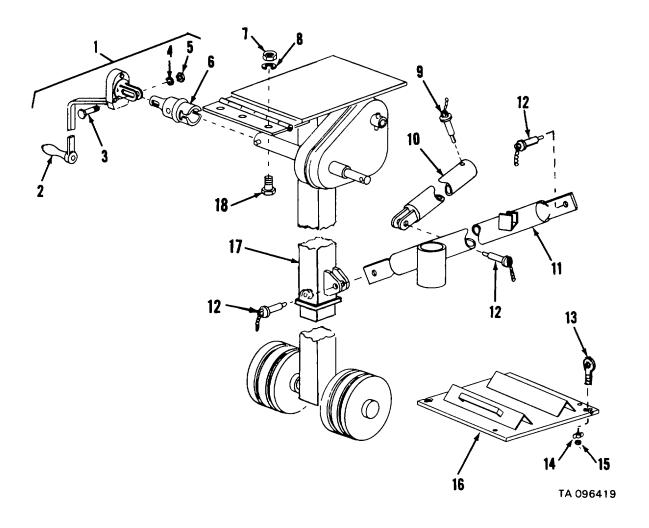


Figure 49. Swing-up landing gear, XM847, XM848, XM849, XM850, XM912, XM913.

E-112

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUS	RATION (b)	(-/	NATIONAL	( ',		DESCRIPTION	( ,	QTY
(a) FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC
49 49 49 49 49 49 49 49 49 49 49 49	2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PBOZZ PBOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2590-00-856-1950 2530-00-040-2856 5305-00-782-9489 5310-00-637-9541 5310-00-732-0558 2590-01-092-4047 5310-00-584-5272 2590-01-087-6922 2590-01-087-8633 2590-01-087-8634 2530-00-678-4092 5306-01-034-3000 5310-00-828-8189 5310-00-880-7744 2590-01-033-0703 2590-01-102-9031 2590-01-096-3307 5305-00-725-4187	19207 19207 19207 96906 96906 19207 19207 19207 19207 19207 19207 19207 96906 96906 19207 19207 96906	10882198 8376602 MS090728-66 MS35338-46 MS51967-8 10900556 MS51968-14 MS35338-48 11684301-1 11684674-2 8747218 11589899 MS35425-41 MS51967-5 11681673-1 11681673-2 MS90726-114	CRANK ASSEMBLY C16, C17, C18, C19, C61, C62 *RATCHET	EAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	2 1 1 1 1 1 1 6 6 2 2 1 1 1 6 4 4 8 2 1 1 6

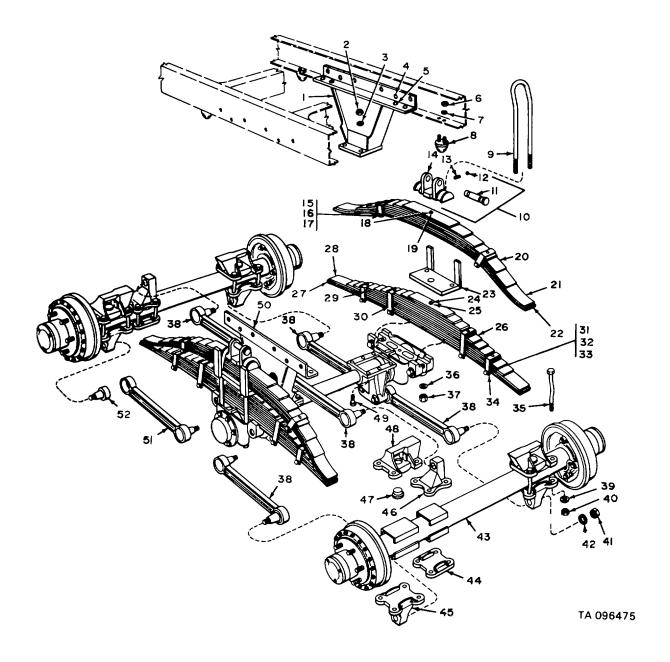


Figure 50. Tandem suspension, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824.

E-114

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI	RATION (b)		NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN Unit
						GROUP 16 SPRINGS AND SHOCK ABSORBERS GROUP 1601 SPRINGS		
50	1	XBFZZ		19207	8759077	BRACKET ASSEMBLY RHA09, A10, A11, A12, A13, A14	EA	1
50	2	PAFZZ	5310-00-763-8901	96906	MS51968-23	NUT, PLAIN, HEXAGONA09, A10, A11, A12, A13, A14 	EA	12
50	3	PAFZZ	5310-00-052-6454	96906	MS35340-51	WASHER, LOCK	EA	12
50	4	PAFZZ	5320-00-011-9285	21450	119285	RIVET, SOLID A09, A10, A11, A12, A13, A14	EA	12
50	5	PAFZZ		21450	119286	RIVET, SOLID A09, A10, A11, A12, A13, A14	EA	8
50	6	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT, PLAIN, HEXAGON A09, A10, A11, A12, A13, A14	EA	8
50	7	PAOZZ	5310-00-407-9566	96906	MS35338-45	WASHER, LOCK A09, A10, A11, A12, A13, A14 	EA	8
50	8	PAOZZ	5340-00-740-9335	19207	7409335	BUMPER, RUBBER SPRING A09, A10, A11, A12, A13, A14	EA	4
50	9	PAOZZ	5306-00-647-1029	19207	8758919	BOLT, V S, 3/4-26UNF-2A, 2-0/16IN A09, A10, A11, A12,A13, A14 C13, C14, C58, C59, 140, 26F	EA	4
50	10	PBFZZ	2510-00-7373221	19207	7373221	SEAT, SUSPENSION A09, A10, A11, A12, A13, A14	EA	2
50	11	PBFZZ	5315-00-699-8465	19207	7539661	•PIN, GROOVED, HEADEDA09, A10, A11, A12, A13, A14	EA	1
50	12	PBFZZ	3110-00-943-6113	96906	MS19060-1013	•BALL, BEARING A09, A10, A11, A12, A13, A14	EA	1
50	13	PAFZZ	5360-00-692-6059	19207	7373229	•SPRING, HELICAL A09, A10, A11, A12, A13, A14 	EA	1
50 1	14	PBFZZ	2510-01-092-4059	19207	7521795	•SEAT, SPRING, SUSPENS A09, A10, A11, A12, A13, A14		EA
50	15	PAFZZ	5310-00-880-7746	96906	MS51968-5		EA	4
50	16	PBFZZ	5365-01-079-2267	19207	8699566	SPACER, SLEEVE A09, A10, A11, A12, A13, A14	EA	4
50	17	PAFZZ	5305-00-225-9101	96906	MS90726-46		EA	4
50	18	PAFZZ	5305-00-017-9723	19207	8758918	SCREW, MACHINE A09, A10, A11, A12, A13, A14 C13, C14, C58, C59, 140, 26F	EA	2
50	19	PAFZZ	5310-00-880-7745	96906	MS51968-1	NUT, PLAIN, HEXAGON A09, A10, A11, A12, A13, A14	EA	2
50	20	PBFZZ	2510-00-647-0907	19207	8758890	SPRING, ASSEMBLY, LEA A09, A10, A11, A12, A13, A14	EA	2
50	21	XDFZZ	2510-00-647-0908	19207	8758900	SPRING, LEAF A09, A10, A11, A12, A13, A14	EA	2
50	22	PBFZZ	2510-00-647-0909	19207	8758901	SPRING, LEAF A09, A10, A11, A12, A13, A14	EA	2
50	23	PBOZZ	1440-00-717-5144	19207	10869572	SPACER AND SUPPORTS A09, A10, A11, A12, A13, A14	EA	2
50	24	PAFZZ	5306-00-274-0958	19207	7368675	BOLT, MACHINE A09, A10, A11, A12, A13, A14 	EA	2
50	25	PAFZZ	5310-00-926-5916	96906	MS51968-12	NUT, PLAIN, HEXAGON A09, A10, A11, A12, A13, A14	EA	2
50	26	PBFZO	2510-00-736-8629	19207	7368629	SPRING ASSEMBLY, LEA A09, A10, A11, A12, A13, A14	EA	2
50	27	PAFZZ	2510-00-736-8641	19207	7368641	SPRING, LEAF A09, A10, A11, A12, A13, A14	EA	2
50	28	PAFZZ	2510-00-736-8642	19207	7368642	SPRING, LEAF A09, A10, A11, A12, A13, A14	EA	2
50	29	PAFZZ	2510-00-736-8677	19207	7368677	ALIGNMENT CLIP, LEAF A09, A10, A11, A12, A13, A14	ΕA	4

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
50	30	PAFZZ	2510-00-736-8676	19207	7368676	ALIGNMENT CLIP, LEAF A09, A10, A11, A12, A13, A14	EA	4
50	31	PAFZZ	5320-00-735-5198	96906	MS35743-91	RIVET, SOLID A09, A10, A11, A12, A13, A14	EA	8
50	32	PAFZZ	5310-00-732-0558	96906	MS51967-8		EA	8
50	33	PAFZZ	5345-00-752-1737	5365-00	-752-1737	SPACER, SLEEVE A09, A10, A11, A12, A13, A14	EA	8
50	34	PAFZZ	5306-01-078-3958	19207	7521739		EA	8
50	35	PAFZZ	5306-00-074-2366	19207	7060037	BOLT, MACHINE A09, A10, A11, A12, A13, A14 C13, C14, C58, C59, 140, 26F	EA	24
50	36	PAOZZ	5310-00-584-7888	96906	MS35338-51	WASHER, LOCK A09, A10, A11, A12, A13, A14	EA	8
50 8	37	PAOZZ	5310-00-897-5920	19207	10869934	NUT, PLAIN, HEXAGON A09, A10, A11, A12, A13, A14		EA
50	38	PAFZZ	2530-00-678-9029	19207	8757685		EA	6
50	39	PAFZZ	5310-00-052-6454	96906	MS35340-51	WASHER, LOCK A09, A10, A11, A12, A13, A14	EA	24
50	40	PAFZZ	5310-00-797-4870	19207	10896688	NUT, SELF-LOCKING A09, A10, A11, A12, A13, A14.	EA	24
50	41	PAFZZ	5310-00-24-0-9332	19207	8327988	NUT, PLAIN, HEXAGON A09, A10, A11, A12, A13, A14	EA	12
50	42	PAFZZ	5310-00-584-7889	96904	MS35338-53	WASHER, LOCK A09, A10, A11, A12, A13, A14	EA	12
50	43	XDOZZ		19207	8758911	AXLE ASSEMBLY A09, A10, A11, A12, A13, A14 C13, C14, C58, C59, 140, 26F	EA	2
50	44	PBFZZ	2530-00-752-1834	19207	7521834	BRACKET, PLATE A09, A10, A11, A12, A13, A14 	EA	2
50	45	PBFZZ	2530-00-752-1833	19207	7521833	BRACKET A09, A10, A11, A12, A13, A14	EA	4
50	46	PBFZZ	2530-00-752-1832	19207	7521832	BRACKET, TORQUE ROD A09, A10, A11, A12, A13, A14	EA	2
50	47	PBFZZ	2510-00-752-1639	19207	7521639	PLATE A09, A10, A11, A12, A13, A14	EA	4
50 4	48	XBFZZ		19207	7059832	BRACKET ASSEMBLY A09, A10, A11, A12, A13, A14		EA
50	49	PAFZZ	5305-00-727-8816	96906	MS90726-187		EA	12
50	50	XBFZZ		19207	8758881	BRACKET ASSEMBLY LH A09, A10, A11, A12, A13, A14	EA	1
50	51	XAFRZZ		19207	8757684		EA	6

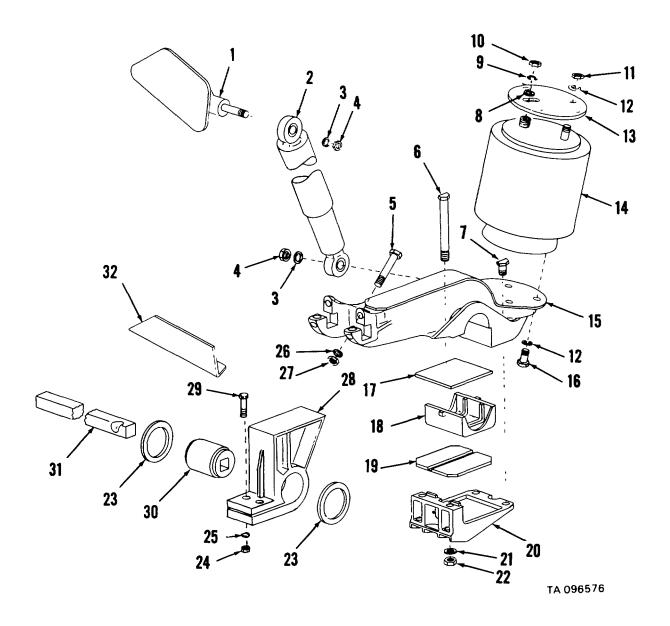


Figure 51. Air suspension system components, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913.

E-118

<u>SEC</u>			T W 3-2330-2	, 1-1-	<del></del>			
	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
51	1	XADZZ		19207	11684348	BRACKET UPPER SHOCK MOUNTC14, C15, C16, C17, C1	8 EA	2
51	2	PAOZZ	2540-00-990-0499	19207	11684357	C19, C61, C62 ABSORBER, SHOCKC14, C15, C16, C17, C18 C19, C61, C62	EA	4
51	3	PAOZZ	5310-00-595-6612	96906	MS20002-12	WASHER, FLATC14, C15, C16, C17, C18	EA	8
51	4	PA0ZZ	5310-00-067-6356	96906	MS51922-57	NUT, SELF-LOCKINGC14, C15, C16, C17, C18	EA	8
51	5	PAOZZ	5305-00-928-9636	96906	MS90727-199	C19, C61, C62 SCREW, CAP, HEXAGON H EQUALIZING ARM ATTACHINGC14, C15, C16, C17, C18	EA	8
51	6	PAOZZ	5306-01-100-6256	19207	11684337-2	C19, C61, C62 BOLT, RODC14, C15, C16, C17, C18 C19, C61, C62	EA	8
51	7	PAOZZ	5306-01-104-9000	19207	11684337-1	BOLT, ROD	EA	8
51	8	PAOZZ	5310-00-809-8533	96906	MS27183-23	WASHER, FLAT C14, C15, C16, C17, C18	EA	4
51	9	PAOZZ	5310-00-584-7888	96906	MS35338-51	WASHER, LOCK AIR SPRING ATTACHING C14, C15, C16, C17, C18 C19, C61, C62	EA	4
51	10	PAOZZ	5310-00-763-8901	96906	MS51968-23	NUT, PLAIN, HEXAGONC14, C15, C16, C17, C18 C19, C61, C62	EA	4
51	11	PAOZZ	5310-00-768-0318	96906	MS51967-14	NUT, PLAIN, HEXAGONC14, C15, C16, C17, C18	EA	20
51	12	PAOZZ	5310-00-584-5272	96906	MS35338-48	WASHER, LOCK	EA	20
51	13	XAOZZ		19207	11684350	PLATE, MOUNTING AIR RIDE SUSPENSION C14, C15,	EA	4
51	14	PAOZZ	2510-01-092-4050	19207	11684366	C16, C17, C18 C19, C61, C62 SPRING, AIRC14, C15, C16, C17, C18 C19, C61, C62	EA	4
51 2	15	PAOZZ	2540-01-092-4054	19207	11684352-1	ARM, EQUALIZING LEFT HAND C14, C15, C16, C17, C18		EA
51	15	PAOZZ	2540-01-092-4055	19207	11684352-2	C19, C61, C62 ARM, EQUALIZING RIGHT HAND C14, C15, C16, C17, C18	EA	2
51	16	PAOZZ	5305-00-044-4153	96906	MS90725-109	C19, C61, C62 SCREW, CAP, HEXAGONC14, C15, C16, C17, C18	EA	16
51	17	PAOZZ	2540-01-092-4053	19207	11684336	C19, C61, C62 WRAPPER, RUBBERC14, C15, C16, C17, C18	EA	4
51	18	PAOZZ	2530-01-092-6385	19207	11684353	C19, C61, C62 ADAPTER, AXLEC14, C15, C16, C17, C18 C19, C61, C62	EA	4
51	19	PAOZZ	2530-01-092-6386	19207	11684356	PAD, RUBBERC14, C15, C16, C17, C18	EA	4
51	20	PAOZZ	2540-01-092-4052	19207	11684354	CAPC14, C15, C16, C17, C18	EA	4
51	21	PAOZZ	5310-00-282-4776	96906	MS20002-14	WASHER, FLATC14, C15, C16, C17, C18	EA	16
51	22	PAOZZ	5310-00-225-6992	96906	MS51922-65	NUT, SELF-LOCKINGC14, C15, C16, C17, C18 C19, C61, C62	EA	16
51	23	PAOZZ	5310-00-990-5322	19207	11684338	SPACERC14, C15, C16, C17, C18	EA	8
51	24	PAOZZ	5310-00-269-4040	96906	MS51922-49	NUT, SELF-LOCKING C14, C15, C16, C17, C18 C19, C61, C62	EA	8
51	25	PAOZZ	5310-00-149-9126	96906	MS20002-10	WASHER, FLATC14, C15, C16, C17, C18	EA	8
51	26	PAOZZ	5310-00-595-6612	96906	MS20002-12	WASHER, FLATC14, C15, C16, C17, C18	EA	8
51	27	PAOZZ	5310-00-067-6356	96906	MS51922-57	NUT, SELF-LOCKINGC14, C15, C16, C17, C18 C19, C61, C62	EA	8
51	28	XAOZZ		19207	11684351	BRACKET, FRAME AIR RIDE SUSPENSION	EA	4
51	29	PAOZZ	5305-00-726-2559	96906	SCREW, CAP, H	XAGON HC14, C15, C16, C17, C18	EA	8
51	30	PAOZZ	5365-00-023-8241	19207	11684355	BUSHING, RUBBERC14, C15, C16, C17, C18 C19, C61, C62	EA	4
51	31	XAOZZ		19207	11684355	BUSHING, RUBBERC14, C15, C16, C17, C18 C19, C61, C62	EA	2
51	32	XA077		19207	11684349	BRACE, ANGLE	FA	8

C19, C61, C62

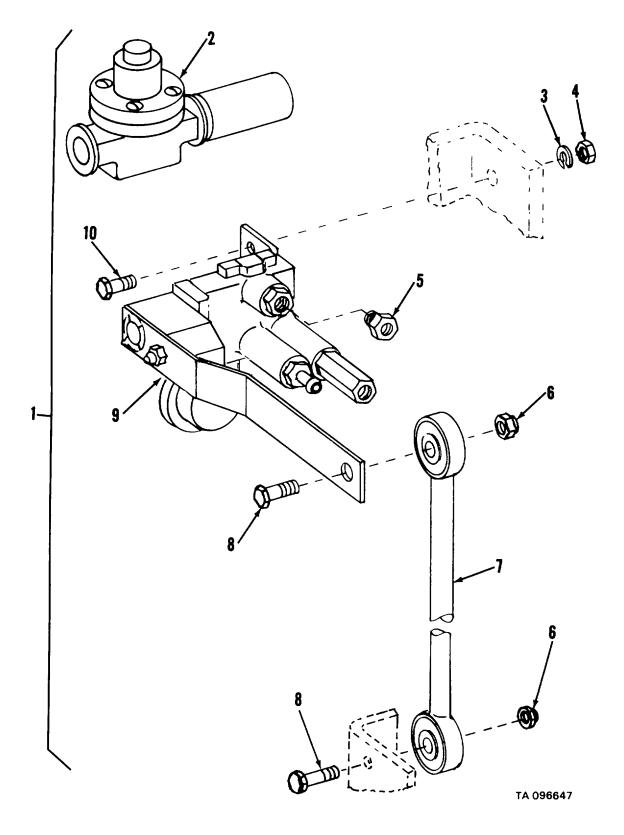


Figure 52. Air spring air control assembly, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913.

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
52 52 52 52 52	2	XDOZZ PAOZZ PAOZZ PAOZZ	2530-00-075-5856 5310-00-582-5965 5310-00-768-0319	19207 19207 96906 96906	11681240 11684346 MS35338-44 MS51968-2	AIR CONTROLC14, C15, C16, C17, C18, C19, C61, C62  •VALVE AND FILTER C14, C15, C16, C17, C18, C19, C61, C62  •WASHER, LOCK C14, C15, C16, C17, C18, C19, C61, C62  •NUT, PLAIN, HEXAGON C14, C15, C16, C17, C18, C19, C31	EA EA EA	1 1 4 4
52	5	XDOZZ	4730-01-162-0623	19207	11684367	C61, C62 •INVERTED NUT, TUBE C14, C15, C16, C17, C18, C19,	EA	4
52	6	PAOZZ	5310-00-903-8282	96906	MS21083N4	•NUT, SELF-LOCKINGC14, C15, C16, C17, C18, C19,	EA	4
52 52		PAOZZ XD0ZZ	2540-01-093-0560 5305-00-267-8977	19207 96906	11684329 MS90726-10	•LINK C14, C15, C16, C17, C18, C19, C61, C62 •SCREW, CAP, HEXAGON C14, C15, C16, C17, C18, C19,	EA EA	2 4
52 52		PADZZ PAOZZ	2510-01-092-4051 5305-00-068-0506	19207 96906	11684410 MS90726-6	•VALVE, HEIGHT C14, C15, C16, C17, C18, C19, C61, C62 •SCREW, CAP, HEXAGON H C14, C15, C16, C17, C18, C19, C61, C62	EA EA	2 4

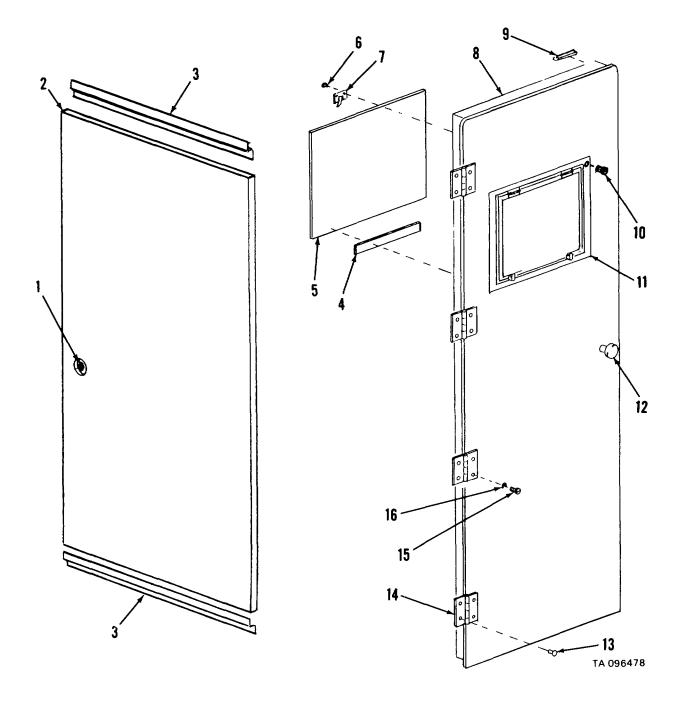


Figure 53. Interior door, XM654, XM822.

E-122

1	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
53 53 53 53 53 53 53 53 53 53 53 53 53 5	2 3 4 5 6 7 8 9 10 11 12 13 14 15	XD0ZZ XD0ZZ XD0ZZ XB0ZZ XD0ZZ XD0ZZ XD0ZZ XD0ZZ XD0ZZ PA0ZZ XD0ZZ PA0ZZ PA0ZZ	9320-00-897-5884 5320-01-113-9895 5330-00-939-7111 5305-00-432-4173 5320-00-068-2057 5305-00-855-0956 5310-00-045-3296	19671 40670 19671 19207 19207 19207 19207 19207 96906 70109 08050 96906 40670 96906 96906	1420 96902 400A-72 10906776 11683043 MS24662-25 11683044 11682959 11592461 MS1861-15 WM3331 3301 MS24662-162 116983230 MS24629-47 MS35338-43	GROUP 1801 BODY ASSEMBLY  LOCK, SLIDING DOOR A10 DOOR, SLIDING A10 SLIDE, DOOR A10 RUBBER STRIP C13 PANEL, BLACKOUT C13 PANEL, BLIND C13 CLIP C13 DOOR, INTERIOR C13 SCAL, RUBBER SPECIAL C13 SCREW, TAPPING, THREA THREAD FORMING C13 WINDOW, DOOR C13 RIVET, BLIND C13 SCREW, TAPPING, THREA THREAD FORMING C13 WINGE, BUTT C13 SCREW, TAPPING, THREA THREAD FORMING C13 WASHER, LOCK C13	EAAAT AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1 1 2 5 1 6 2 1 16 20 1 1 8 4 8 8

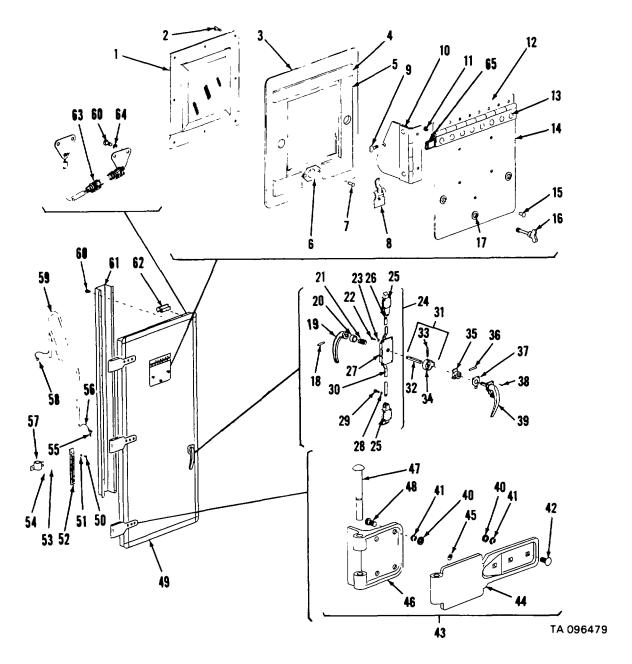


Figure 54. Side door and rear door, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913.

(ILLUSTI	1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
54 54 54 54 24	1 2	PAOZZ PAOZZ PAOZZ PAOZZ	2510-01-028-4882 2510-01-028-4882 5305-00-159-5393 5305-00-159-5393	19207 19207 96906 96906	11681403 11681403 MS24629-70 MS24629-70	SCREEN, VENT	EA EA EA	2 3 16 EA
	3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 10 11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 18 19	PAOZZ  XDOZZ  XDOZZ  PAOZZ  PA	9320-00-611-6416 9320-00-611-6416 9320-00-897-5884 9320-00-897-5884 9320-00-897-5884 5325-01-031-8998 5325-01-031-8998 5320-00-543-3680 5340-01-038-5287 5340-01-038-5287 5305-00-919-5070 2510-01-030-2423 2510-01-030-2423 2510-01-037-4973 2510-01-037-4973 2510-01-034-3852 5340-01-044-8360 5340-01-044-8360 5340-01-034-3852 5320-00-242-1580 5320-00-242-1580 5320-00-242-1579 5320-00-242-1579 5325-00-298-7004 5325-01-123-4679 5325-01-123-4679 5315-00-866-2673 5315-00-866-2673 2540-00-809-7796	19207 19207	MS24629-70  11681434 11681434 11592552 11592552 10906776 10906776 7327426-2 7327426-2 MS20426A4-7 11681432 11681432 11681432 11681400-2 11681400-1 11681400-1 11681400-1 11681400-1 11681400-1 11681400-1 11681407 11681407 MS20470A6-6 MS20470A6-7 MS	FRAME ASSEMBLY C14, C15, C17, C19, C61, C62 FRAME ASSEMBLY C14, C15, C17, C19, C61, C62 FRAME ASSEMBLY C14, C15, C17, C19, C61, C62 RUBBER STRIP C14, C15, C17, C19, C61, C62 RUBER STRIP C14, C15, C17, C19, C61, C62 RECEPTACLE, TURNLOCK C14, C15, C17, C19, C61, C62 RECEPTACLE, TURNLOCK C14, C15, C17, C19, C61, C62 RIVET, SOLID	EEFFFFEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	EA 2322456918234623234623164231015696 92323

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
54 54 54 54 54 54 54 55 54 55 54 55 56 57 57 58 58 58 58 58 58 58 58 58 58 58 58 58	20 21 22 22 23 23 24 24 24 25 26 27 27 28 29 30 31 32 33 34 35 36 37 37 38 39 40 40 41 41 42	PAOZZ PBOZZ PBOZZ PBOZZ PAOZZ	5340-01-032-6011 5340-01-032-6011 5360-00-025-8210 5360-00-025-8210 5360-00-052-7492 5305-00-052-7492 5310-00-582-5965 5310-00-582-5965 2540-01-049-8001 2540-01-046-9404 2540-01-046-9404 5340-00-839-0098  2540-00-918-4184 2590-00-630-1567 5310-00-637-9541 5305-00-269-3234  2540-01-088-5905 2540-01-088-5905 5315-01-045-6509 5315-00-800-0712 2510-01-031-0063 2510-01-031-0063 2510-01-031-0063 2510-01-031-0063 2510-01-031-0663 2530-00-414-6695 5330-00-414-6695 5320-00-067-5640 5320-00-067-5640 5320-00-067-5840 2540-01-035-0169 2540-01-035-0169 2540-01-035-0169 5310-00-732-0558 5310-00-732-0558 5310-00-732-0558 5310-00-637-9541 5306-00-816-2441	19207 19207 19207 19207 19207 96906 96906 96906 96906 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 96906 96906 19207 19207 96906 96906 96906 96906 96906 96906 96906	11637943 11637943 11589902 MS24629-61 MS24629-61 MS35338-44 MS35338-44 11637991-1 11637991-2 11637991-2 7748911 8722186-3 10911036-2 10911036-1 MS35338-46 MS90727-58 87221876-10 11637990 11637990 11637990 11537990 11539900 MS35677-49 11589900 MS35677-46 MS90727-58 MS20613-BP10 MS20613-BP10 MS20613-BP10 MS20613-BP10 MS20613-BP10 MS35338-46 MS35338-46 MS35338-46 MS35338-46 MS35751-71 MS35751-71	RETAINER, HELICAL CO	A A A A A A A A A A A A A A A A A A A	2 3 2 3 2 4 36 24 36 1 2 1 2 2 1 1 1 1 2 3 2 3 2 3 6 9 2 3 42 63 18 27

(1) ILLUSTRAT		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
FIG I	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
54 54 54 54 54 54 54 54 54 54 54 54 54 5	43 43 43 43 43 445 46 46 47 48 48 48 48 48 49 49 49 49 49 49 49 49 50 51 55 55 55 56 60 60 60 60 61 61 61 61	PFOZZ PAOZZ	\$340-01-033-3446 5340-01-033-3446 5340-00-164-3558 5340-00-164-3558 5305-00-723-9386 \$5305-00-723-9386 \$5306-01-933-6257 5306-01-033-4358 5306-01-033-4358 5305-00-269-3213 2510-01-034-1258 2510-01-035-0734 2510-01-035-0734 2510-01-049-2969 \$5305-00-855-0964 5310-00-809-8546 5340-00-543-3398 5320-01-049-9230 5320-00-828-1284 5340-00-052-2242 4010-01-058-4774 \$2540-01-049-5162 5305-00-052-6917 5305-00-052-6917 5305-00-052-6917 5305-00-052-6917 5305-00-052-6917 5305-00-052-6917 5305-00-052-6917 5305-00-159-5393	19207 19207	NUMBER  11607504 11607504 11607505 11607505 11607487 MS51963-64 10882202 10882201 11607480  MS35751-77 MS35751-77 11681633 11681633 MS90725-62 MS90725-62 11681430-1 11684396-1 11684396-2 11646359 9351706-1 MS24629-48 MS27183-8 8690462 MS24662-155 MS17985-415 11646393 11646389 MS17985-606 11646386 MS24629-50 MS24629-50 MS24629-50 MS24629-50 MS24629-50 MS24629-70 11646385-1 11646385-1 11646385-2 9344713-1	HINGE, ACCESS DOOR C14, C15, C16, C17, C19, C62 HINGE, ACCESS DOOR C14, C15, C16, C17, C19, C62 HINGE, TEE C14, C15, C17, C18, C19, C61, C16, STRAP, HINGE C14, C15, C16, C17, C18, C19, C61, C62 SETSCREW C14, C15, C16, C17, C18, C19, C61, C62 HINGE, BUTT C14, C15, C16, C17, C18, C19, C61, C62 HINGE, BUTT C14, C15, C16, C17, C18, C19, C61 HINGE, BUTT C14, C15, C16, C17, C18, C19, C61 BOLT, SQUARE NECK C14, C15, C16, C17, C18, C19, C61 BOLT, SQUARE NECK C14, C15, C17, C19, C61, C62 BOLT, SQUARE NECK C14, C15, C17, C19, C61, C62 BOLT, SQUARE NECK REAR DOOR ATTACH C14, C15, C16, C17, C19, C61, C62 BOLT, SQUARE NECK C14, C15, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C16, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C18, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C16, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C16, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C16, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C18, C17, C18, C19, C61, C62 BOLT, SQUARE NECK C14, C15, C17, C18, C19, C61, C62 DOOR, METAL, SWINGING RIGHT SIDE C15, C16, C17, C16, C62 DOOR, METAL, SWINGING RIGHT SIDE C15, C16, C17, C19, C61 DOOR, METAL, SWINGING RIGHT REAR C61 DOOR, METAL, SWINGING REAR C14, C15 DOOR, METAL, SWINGING REAR C14, C15 DOOR, METAL, SWINGING REAR C14, C15 STRAP, WEBBING C14, C15 RIVET, BLIND C14, C15 RIVET, BLIND C14, C15 RIVET, BLIND C14, C15 RIVET, BLIND C14, C15 BRACKET C14,	EA E	UNIT  3 6 3 6 1 1 1 1 1 12 18 6 12 EA 12 EA 1

ILLUSTI	1) Ration	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG	(b)	CMD	NATIONAL STOCK		DADT			QTY
NO.	ITEM NO.	SMR CODE	NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN UNIT
54	62	PAOZZ	5330-00-939-7111	19207	11592461	SEAL, DOOR VAN BODY DOOR (36FT)C14, C15, C17, C18	RL	36
54 54 54 54 54 54 54 54	62 63 63 64 64 65	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ XDOZZ	5330-00-939-7111 5330-00-939-7111 5340-01-034-3072 5340-01-034-3072 5310-00-045-3296 5310-00-045-3296	19207 19207 19207 19207 96906 96906 19207 19207	11592461 11592461 11681178 11681178 MS35338-43 MS35338-43 11631743 11631743	SEAL, DOOR VAN BODY DOOR (36FT)C14, C15, C17, C18 C19, C61, C62 SEAL, RUBBER SPECIAL		
					E-128(E-129	BLANK)		

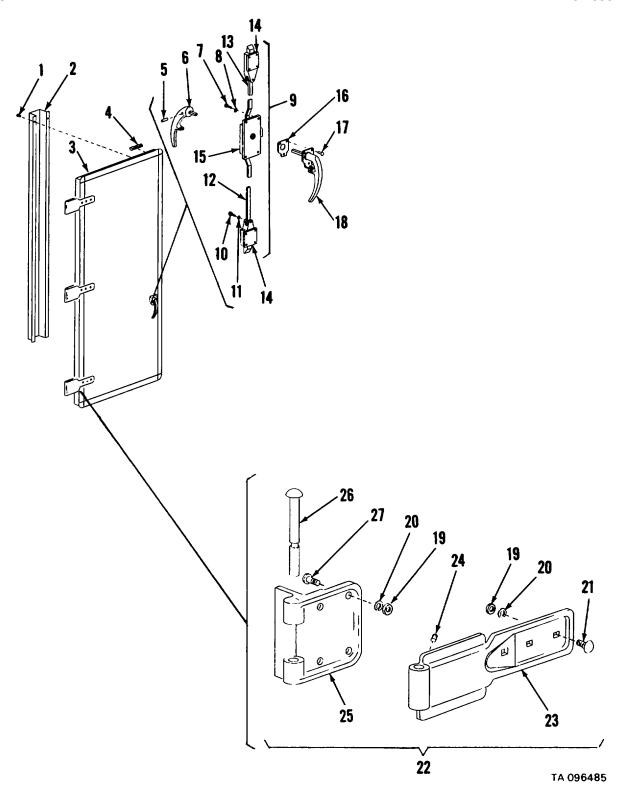


Figure 55. Rear door, XM574, XM574E1, XM654, XM739, XM739E1

(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUST	RATION			` ´		DESCRIPTION		
(a)	(b)		NATIONAL					QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN UNIT
55 55 55 55 55 55 55 55 55 55 55 55 55	1 2 2 3 3 3 4 5 6 7 8 9 9 10 11 12 13 14 15 15 16 17 18 19 20 21 22 22 23 24 25 26 26 27	PAOZZ PAOZZ XBOZZ XBOZZ XBOZZ XDOZZ XDOZZ XDOZZ PAOZZ	5305-00-432-4205 5305-00-432-4205 5305-00-432-4205 5315-00-866-2673 2540-00-809-7796 5305-00-432-4254 5310-00-582-5965 2540-01-046-9404 2540-0-061-2331 39-9451 5305-00-269-3234 5310-00-637-9541 5340-00-839-0098 2590-00-630-1567 2540-00-918-4184 5330-00-414-6695 5320-00-067-5840 2540-00-287-2571 5310-00637-9541 5306-00-816-2441 5306-00-816-2441 5306-00-931-8180 2540-00-918-4194 5305-00-723-9386	96906 96906 19207 19207 40670 19207 19207 96906 19207 96906 19207 40670 19207 40670 96906 19207 40670 96906 19207 40670 96906 19207 40670 96906 19207	MS51861-49 MS51861-49 10891499-1 10891499-2 3670703 9772702 11638179-3 11592461 MS35677-48 10882484 MS51861-69 MS35338-44 11637991-2 10891482 10882369 MS90727-58 MS35338-46 8722186-10 8722186-3 7748911 10911036-2 11592566 MS20613-8P10 7264749 MS51967-8 MS35338-46 MS35751-71 11607504 9772706 3234702 11607487 9068001 MS51963-64 10882202 110882201 11607480 9068002 MS35751-77 MS35751-84	SCREW, TAPPING, THREA	E E E E E E E E E E E E E E E E E E E	32 30 1 1 1 1 1 1 1 2 2 1 1 1 3 1 2 1 1 1 1 1

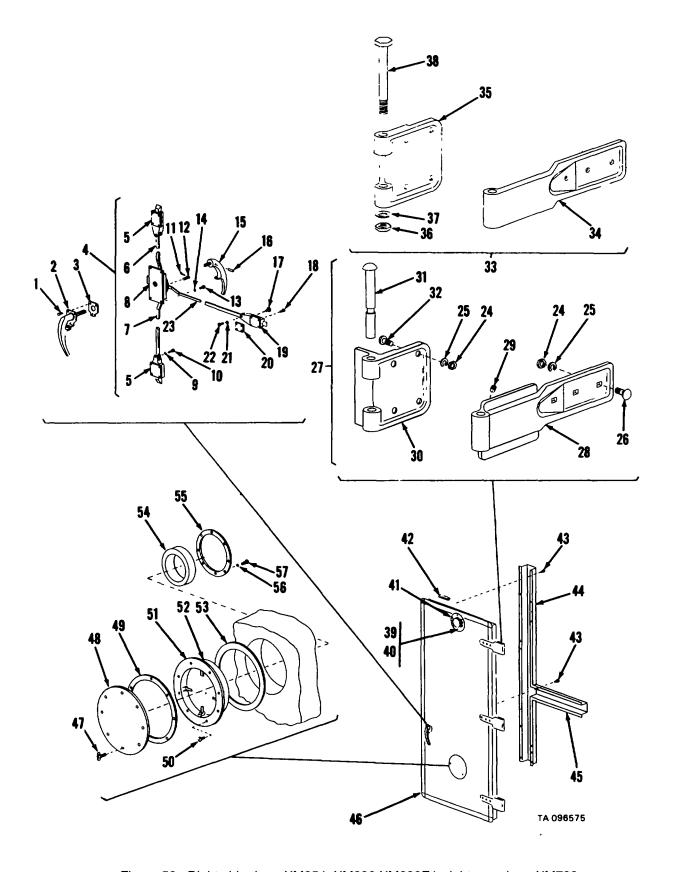
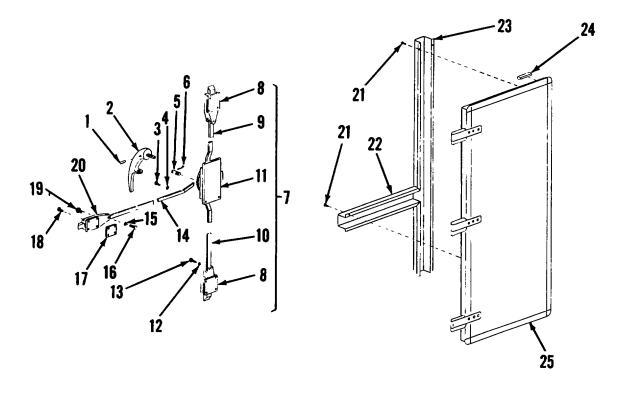


Figure 56. Right side door, XM654, XM680 XM680E1; right rear door, XM739.

			I		1			
(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL					QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC IN
								UNIT
56		PAOZZ	5320-00-067-5840	96906	MS20613-8P10	RIVET, SOLIDA09, A10, A14, 140	EA	3
56 56		PAOZZ PAOZZ	2540-00-287-2571 5330-00-414-6695	19207 19207	7264749 11592566	HANDLE, DOOR	EA EA	1 1
56		PBOZZ	2540-00-999-9451	19207	10882369	LOCK ASSEMBLY	EA	
56		PBOZZ	2540-01-061-2331	19207	10891482	LOCK ASSEMBLY140	EA	1
56	-	PAOZZ	5340-00-839-0098	19207	7748911	.BOLT, FLUSH	EΑ	2
56 56		XBOZZ XBOZZ		19207 19207	8722186-3 8722186-10	ROD, LOCKING	EA EA	1 1
56		PAOZZ	2540-00-918-4184	19207	10911036-2	LOCK ASSEMBLY, VANDOO	EA	
56		PAOZZ	5310-00-637-9541	96906	MS35338-46	, WASHER, LOCK	ΕA	2
56		XDOZZ	5305-00-269-3234	96906	MS90727-58	.SCREW, CAP, HEXAGON HA09, A10, A14, 140	EΑ	2
56		PAOZZ	5315-00-816-1794	96906	MS2446-285	PIN, COTTERA09, A14	EΑ	1 1
56 56		PAOZZ PAOZZ	5315-01-096-3205 5305-00-432-4254	19207 96906	10920274 MS51861-69	PIN	EA EA	1 1 12
56	-	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER, LOCK	EA	12
56		PAOZZ	2540-00-809-7796	19207	10882484	HANDLE, DOOR U/O NHA AP2MM, AP2MN, AP2MP, AP2M A09, A10, A14, 140	QEA	1
56		XDOZZ		40670	30154719	PIN, GROOVED U/O NHA AP2MM, AP2MN, AP2MP, AP2M0 A09, A10, A14, 140		1
56		PAOZZ	5305-00-052-7405	96906	MS24617-47	SCREW, TAPPING, THREA THREAD FORMING A09, A14	EΑ	2
56 56		PAOZZ PAOZZ	5305-01-050-1480 5304-00-839-0098	96906 19207	MS24625-63 7748911	SCREW, TAPPING, THREA THREAD FORMING A09, A14 BOLT, FLUSH	EA EA	2 1
56		XBOZZ	3304-00-039-0090	19207	10920252	SPACER	EA	
56	-	PAOZZ	5310-00-595-7237	96906	MS35333-42	WASHER, LOCK	ΕA	1
56		PAOZZ	5305-00-958-0611	96906	MS35207-309	SCREW, MACHINEA09, A14	EΑ	1
56 56	23 24	XBOZZ PAOZZ	5310-00-732-0558	19207 96906	8722186-4 MS51967-8	ROD, LOCKING	EA EA	1 9
56		PAOZZ	5310-00-732-0556	96906	MS35338-46	WASHER, LOCK	EA	21
56		PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW, CAP, HEXAGON HA09, A14	ΕA	9
56		PAOZZ	5306-00-816-2441	96906	MS35751-71	BOLT, SQUARE NECK A10, 140	EΑ	9
56		PAOZZ	2540-00-918-4194	40670	3234702	HINGE, REAR DOOR	EΑ	3
56 56		PAOZZ XAOZZ	5340-00-931-8180	40670 40670	9772706 9068001	HINGE, DOOR140   STRAP, HINGE	EA EA	3
56		XAOZZ		19207	11607487	.STRAP, HINGE140	EA	
56		PAOZZ	5305-00-723-9386	96906	MS51963-64	.SETSCREW A10, 140	EΑ	1
56		XAOZZ		19207	10882202	.HINGE, BUTTA10	ΕA	1
56 56		XAOZZ XAOZZ		19207 40670	10882201 9068002	.HINGE, BUTT140   .PIN, STRAIGHT, HEADED	EA EA	1 1
56	-	XAOZZ		19207	11607480	.PIN, STRAIGHT, HEADED140	EA	
56		PAOZZ	5305-00-269-3213	1	MS90725-65	SCREW, CAP, HEXAGON HA09, A10, A14	ΕA	6
56		PAOZZ	5306-00-993-6257	96906	MS35751-77	BOLT, SQUARE NECK	EΑ	6
					E-13	33		
			i	1				

(1)   (2)   (3)   (4)   (5)   (6)   DESCRIPTION   DESCRIPTION   OTTY   INCIDENCE   DESCRIPTION   OTTY   O				<u> </u>					
	1		(2)	(3)	(4)	(5)		(7)	(8)
IFEM   NO				NATIONAL			DESCRIPTION		OTV
NO   NO   CODE   NUMBER   FSCM   NUMBER   SCREW. CAP, HEXAGON H   MINT			CMD			DADT			_
56   32   PAOZZ   5306-00-289-3216   98906   MS90725-66   MINGE DOOR   A.00, A14   EA   12   A.00, A14   A.00, A					FSCM		USABLE ON CODE	U/M	
56   33   PAOZZ   530-00-910-8213   19207   10882244   HINGE, DOOR				-					l I
56   34   XAOZZ   5310-00-067-9507   98096   MS51922-37   NJT, SELF-LOCKING, HE   A.09, A14   EA   1   19207   10891504   MS51922-37   NJT, SELF-LOCKING, HE   A.09, A14   EA   1   19207   10891504   MS51922-37   NJT, SELF-LOCKING, HE   A.09, A14   EA   1   19207   10891504   MS51922-37   NJT, SELF-LOCKING, HE   A.09, A14   EA   1   19207   10891504   MS51922-37   NJT, SELF-LOCKING, HE   A.09, A14   EA   1   19207   10891504   MS51922-37   NJT, SELF-LOCKING, HE   A.09, A14   EA   1   19207   10891504   MS51921-39   MS51927-128   MS6192-37   MS6192-39   MS6192-37   MS6192-39   MS6192-37   MS6192-39	56	32	PAOZZ	5305-00-269-3216	96906	MS90725-66	SCREW, CAP, HEXAGON H140	EA	12
56         35         XAOZZ         5310-00-067-9507         98906         MSS1922-37         NITS. ELF-LOCKING. HE         A.09, A14         EA         1           56         37         PAOZZ         5310-00-809-9989         98906         MSS1922-37         NITS. ELF-LOCKING. HE         A.09, A14         EA         1           56         39         PAOZZ         5330-01-131-9176         19207         8747292         CORREC, CAP, HEXAGON H.         A.09, A14         EA         1           56         40         X8OZZ         5305-00-432-4254         9600         MS51861-69         GASKET         A.09, A10, A14, 410         EA         2           56         41         PAOZZ         5305-00-432-4205         98006         MS51861-69         SCREW, TAPPING, THREA THREAD FORMING A09, A10         EA         12         L2           56         42         PAOZZ         5305-00-432-4205         98006         MS51861-69         SEALEW, TAPPING, THREA THREAD FORMING A10, A14, 410         EA         12         L2	1			2540-00-910-8213					
S6   36   PACZZ   5310-00-687-9807   96906   MS51922-37   NUT, SELF-LOCKING, HE					I .		· · · · · · · · · · · · · · · · · · ·		
66         37         PAOZZ         5310-00-809-5998         98906         MS27713-18         WASHER, FLAT         A09, A14         EA         1           56         39         PAOZZ         530-01-131-9176         19207         8747292         A09, A10, A14, 140         EA         2           56         40         XBOZZ         5305-00-432-4254         98006         MS972722         DOOR, ACCESS         A09, A10, A14, 140         EA         2           56         41         PAOZZ         5305-00-432-4254         98006         MS51861-99         SCREW, TAPPING, THREA THREAD FORMING A09, A10         EA         12           56         42         PAOZZ         5305-00-432-4205         98006         MS51861-99         SEAL, RUBBER SPECIAL         A09, A10, A14, 410         EA         12           56         43         XBOZZ         5305-00-432-4205         98006         MS51861-99         SEAL, RUBBER SPECIAL         A09, A10, A14, 410         EA         12           56         44         XBOZZ         40670         348701-22         GUARD         A09, A10, A14, 410         EA         12           56         45         XBOZZ         40670         348701-22         GUARD         A09, A14         EA         12	1			5310-00-067-9507	I .				l I
56 40 XBOZZ 5305-01-318-1876 19207 8747292 DOR, ACCESS					I .				l I
56         40         XBOZZ         5305-00-432-4254         19207         8747292         DOOR, ACCESS.         A.99, A10, A14, 140         EA         2           56         42         PAOZZ         5300-00-332-4205         96906         MS168161-99         SCRW, TAPPING, THERA THREAD FORMING A09, A10, A14, 140         EA         2           56         43         PAOZZ         5300-00-432-4205         96906         MS51681-49         SCREW, TAPPING, THREA THREAD FORMING A10, A14, 140         EA         32           56         44         XBOZZ         505-00-432-4205         96906         MS51681-49         SCREW, TAPPING, THREA THREAD FORMING A10, A14, 140         EA         1           56         44         XBOZZ         19207         1099149-1         GUARD         A10, A14, 140         EA         1           56         45         XBOZZ         40670         3466750         DOOR, METAL, SWINGING         A09, A14         EA         1           56         46         XDOZZ         40670         346750         DOOR, METAL, SWINGING         A10         EA         1           56         47         XDOZZ         505-01-124-4209         907270         1000-000         MS214708         DOOR, METAL, SWINGING         A0         A10, A1			-						
Soc.   41   PAOZZ   S305-00-432-4254   95906   MS51861-99   SCREW, TAPPING, THREA THREAD FORMING A09, A10   EA   12			-	5330-01-131-8176					
S6	1			5305-00-432-4254	I .				l I
56 43 PAOZZ 5305-00-432-4205 99906 MS51861-49 SCREW, TAPPING, THREA FURRAD FORMING A10, 140 EA 32 A14, 140 EA 14 EA 1							A14, 140	_, .	
56 43 PAOZZ 56 44 XBOZZ 56 44 XBOZZ 56 45 XBOZZ 56 46 XDOZZ 56 56 56 XBOZZ 56 56 57 PAOZZ 56 56 56 XBOZZ 56 XBO			_						- 1
S6	1								
56   44   NBOZZ   40670   3349701-2   GUARD				3303 00 432 4203					l I
56					I .				1
56		-	-		I .				
56         46         XDOZZ 56         46         XDOZZ 500-1-124-4209         19207 9772701         DOOR, METAL SWINGING		-	-				, ,		
56         47         XDOZZ         5305-01-124-4209         19207         78747108         THUMBSCREW         A09, A10, A14, 140         EA         8         4         PAOZZ         5330-01-054-4008         19207         10891492         COVER, ACCESS         A09, A10, A14, 140         EA         1           56         49         PAOZZ         5305-00-052-6906         96906         MS24627-35         SCREW, TAPPING, THREAT THREAD FORMINGAD9, A10, EA         1         A         1           56         51         XBOZZ         19207         19891496         RING         A09, A10, A14, 140         EA         1           56         52         XBOZZ         5365-00-929-8373         19207         10891496         RING         A09, A10, A14, 140         EA         1           56         54         PAOZZ         5365-01-929-8373         19207         10891495         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         55         PAOZZ         5365-01-09070         96906         MS3533-38         MS24629-37         SPACER, PLATE         A09, A10, A14, 140         EA         1           56         56         PAOZZ         5305-00-855-0967         96906         MS24629-37         SCREW, TAPPING, THREAT TH		-	_						
56         48         PBOZZ         2540-01-045-5630         19207         10891492         COVER, ACCESS	1	-	-			-			1 ' 1
56         49         PAOZZ         5300-01-054-4008         98906         19207         10891493         GASKET					I .				
56   50   PAOZZ   5305-00-052-6906   96906   MS24627-35   SCREW, TAPPING, THREAT THREAD FORMINGA09, A10, EA   8   A14, 140   RETAINER		-	-		I .				l I
56         51         XBOZZ         19207         10891502         RETAINER         A09, A10, A14, 140         EA         1           56         52         XBOZZ         19207         10891496         RING         A09, A10, A14, 140         EA         1           56         54         PAOZZ         5365-00-929-8373         19207         10891495         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         56         PAOZZ         5365-01-050-7925         19207         10891494         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         56         PAOZZ         5310-00-559-0070         96906         MS35333-38         SPACER, PLATE         A09, A10, A14, 140         EA         1           56         57         PAOZZ         5305-00-855-0967         96906         MS35333-38         WSHER, LOCK         A09, A10, A14, 140         EA         1           A1         4         A09, A10, A14, A10         A14, A10         A1         A14, A14         A1           A1         A1         A1         A1         A14, A14         A1         A14, A14         A1         A14, A14         A1         A14, A14         A14, A14         A14, A14		-	-	1					
56         52         XBOZZ         19207         10891496         RING         A09, A10, A14, 140         EA         1           56         54         PAOZZ         5365-00-929-8373         19207         10891495         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         55         PAOZZ         5365-01-050-7925         19207         10891495         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         56         PAOZZ         5310-00-559-0070         96906         MS3533-38         WSPACEL PLATE         A09, A10, A14, 140         EA         1           56         57         PAOZZ         5305-00-855-0967         96906         MS3533-38         WS24629-37         WSHER, LOCK         A09, A10, A14, 140         EA         1           57         PAOZZ         5305-00-855-0967         96906         MS3523-38         WSHER, LOCK         A09, A10, A14, 140         EA         8           4         A04, A04, A05, A05, A05, A05, A05, A05, A05, A05			\\D-0						
56         53         XDOZZ         5365-00-929-8373         19207         10891495         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         55         PAOZZ         5365-01-050-7925         19207         10891495         BUSHING, RUBBER         A09, A10, A14, 140         EA         1           56         56         PAOZZ         5310-00-559-0070         96906         MS35333-38         WASHER, LOCK         A09, A10, A14, 140         EA         1           56         57         PAOZZ         5305-00-855-0967         96906         MS24629-37         SCREW, TAPPING, THREA THREAD FORMINGA09, A10,         EA         8					I .				
56									
56		-		5365-00-929-8373	I .		BUSHING, RUBBERA09, A10, A14, 140	EΑ	1
56 57 PAOZZ 5305-00-855-0967 96906 MS24629-37 SCREW, TAPPING, THREA THREAD FORMING A09, A10, A14, 140			-		I .		· · · · · · · · · · · · · · · · · · ·		l I
A14, 140			-						
E-134(E-135 BLANK)		0,	171022	0000 00 000 0001	50500	WOZ-1020 07	1 ' ' '		
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
E-134(E-135 BLANK)									
				<u> </u>	<u> </u>	E-134(E-135	BLANK)		



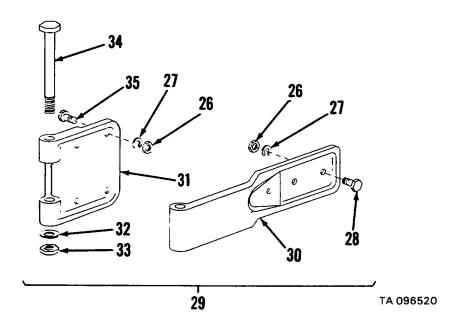


Figure 57. Left side door, XM680, XM680E1

LLUSTRATION		1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
FIG.   NO.   NO.   CODE   NUMBER   STOCK   NUMBER   FSCM   NUMBER   NUMBE	1 -	-			``			\','	`
NO.   NO.   CODE   NUMBER   FSCM   NUMBER   NUMBER   SUSABLE ON CODE   UM   IN UMIN	1 ' '	(b)							QTY
No.   No.							UQARI F QUI QORF		1 1
57         1         PAOZZ         5310-00-866-2673         96906         MS35667-48         PIN, GROOVED, HEADLES HEADLESS         A09, A14         EA         1           57         2         PAOZZ         2540-00-809-17796         19207         10882484         HANDLE, ODOR INTERIOR         A09, A14         EA         1           57         4         PAOZZ         5310-00-582-5965         96906         MS51861-69         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         12           57         5         PAOZZ         5315-00-1098-3205         19207         10920274         PIN, COTTER         A09, A14         EA         12           57         7         PBOZZ         5310-00-816-1794         96906         MS24665-285         PIN, COTTER         A09, A14         EA         12           57         7         PBOZZ         2540-01-098-1931         40670         3486746         LOCK ASSEMBLY, LEFT         A09, A14         EA         12           57         9         XBOZZ         540-00-918-4184         19207         7748911         BOLT, FLUSH         A09, A14         EA         1           57         11         PAOZZ         5310-00-637-9541         96906         MS35338-46         WCAHLING	NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE		UNIT
57         5         PAOZZ         5315-01-096-3205         19207         10920274         PIN         A09, A14         EA         1           57         6         PAOZZ         2540-01-098-1931         40670         3486746         LOCK ASSEMBLY, LEFT         A09, A14         EA         1           57         8         PAOZZ         5340-00-839-0098         19207         7748911         BOLT, FLUSH         A09, A14         EA         1           57         10         XBOZZ         5340-00-918-4184         19207         8722186-13         ROD, LOCKING         A09, A14         EA         1           57         11         PAOZZ         5310-00-637-9541         19207         10911036-2         LOCK ASSEMBLY, VANDOO DOOR         A09, A14         EA         1           57         13         XDOZZ         5310-00-637-9541         19207         10920372         WASHER, LOCK         A09, A14         EA         1           57         14         XDOZZ         5310-00-595-7237         96906         MS35333-42         SCREW, CAP, HEXAGON H         A09, A14         EA         1           57         16         PAOZZ         5305-00-698-0611         96906         MS35333-42         WASHER, LOCK         A09,	57	2	PAOZZ	2540-00-809-17796	19207	10882484	HANDLE, ODOR INTERIOR	EΑ	1
57         6         PAOZZ         5315-00-816-1794         96906         MS24665-285         PIN, COTTER         A09, A14         EA         1           57         7         PBOZZ         2540-01-098-1931         40670         3486746         LOCK ASSEMBLY, LEFT         A09, A14         EA         1           57         9         XB0ZZ         19207         7748911         BOLT, FLUSH         A09, A14         EA         1           57         10         XB0ZZ         2540-00-918-4184         19207         7922186-13         ROD, LOCKING         A09, A14         EA         1           57         11         PAOZZ         2540-00-918-4184         19207         10911036-2         LOCK ASSEMBLY, VANDOO DOOR         A09, A14         EA         1           57         12         PAOZZ         5310-00-637-9541         96906         MS35338-46         WASHER, LOCK         A09, A14         EA         2           57         14         XDOZZ         5305-00-269-3234         96906         MS90727-58         SCREW, CAP, HEXAGON H         A09, A14         EA         1           57         16         PAOZZ         5305-00-958-0611         96906         MS35207-309         ROB, LOCKING         A09, A14 <t< td=""><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	_								
57         8         PAOZZ         5340-00-839-0098         19207         7748911         BOLT, FLUSH.         A09, A14         EA         2           57         10         XBOZZ         2540-00-918-4184         19207         8722186-13         ROD, LOCKING.         A09, A14         EA         1           57         11         PAOZZ         2540-00-918-4184         19207         10911036-2         LOCK ASSEMBLY, VANDOO DOOR         A09, A14         EA         1           57         12         PAOZZ         5305-00-269-3234         96906         MS93338-46         WASHER, LOCK         A09, A14         EA         1           57         13         XDOZZ         5305-00-269-3234         96906         MS93334-2         WASHER, LOCK         A09, A14         EA         2           57         14         XDOZZ         5310-00-595-7237         96906         MS3333-42         WASHER, LOCK         A09, A14         EA         1           57         16         PAOZZ         5305-00-958-0611         96906         MS35333-42         WASHER, LOCK         A09, A14         EA         1           57         18         PAOZZ         5305-00-939-098-06         19207         709         SCREW, TAPPING, THREA THREAD FORMING<	_	6	PAOZZ						
57         10         XBOZZ         19207         8722186-13         ROD. LOCKING.         A09, A14         EA         1           57         11         PAOZZ         5310-00-637-9541         96906         MS36338-46         WASHER, LOCK.         A09, A14         EA         1           57         13         XDOZZ         5305-00-269-3234         96906         MS90727-58         SCREW, CAP, HEXAGON H.         A09, A14         EA         2           57         14         XDOZZ         5310-00-595-7237         96906         MS36333-42         WASHER, LOCK.         A09, A14         EA         2           57         16         PAOZZ         5310-00-595-7237         96906         MS36333-42         WASHER, LOCK.         A09, A14         EA         1           57         16         PAOZZ         5305-00-958-0611         96906         MS36333-42         WASHER, LOCK         A09, A14         EA         1           57         18         PAOZZ         5305-01-050-1480         96906         MS24625-63         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         2           57         20         PAOZZ         5305-00-432-4255         96906         MS51861-70         SCREW, TAPPING, THREA THREAD FORMING A09, A14	57	8	PAOZZ		19207	7748911	.BOLT, FLUSH	ΕA	2
57         12         PAOZZ         5310-00-637-9541         96906         MS35338-46         .WASHER, LOCK         .A09, A14         EA         2           57         13         XDOZZ         5305-00-269-3234         96906         MS90727-58         .SCREW, CAP, HEXAGON H         .A09, A14         EA         2           57         15         PAOZZ         5310-00-595-7237         96906         MS35333-42         WASHER, LOCK         .A09, A14         EA         1           57         16         PAOZZ         5305-00-958-0611         96906         MS35207-309         SCREW, MACHINE         .A09, A14         EA         1           57         17         XBOZZ         5305-01-050-1480         96906         MS35207-309         SCREW, MACHINE         .A09, A14         EA         1           57         19         PAOZZ         5305-01-050-1480         96906         MS24625-63         SCREW, TAPPING, THREA THREAD FORMING, A9, A14         EA         2           57         19         PAOZZ         5305-00-432-4255         96906         MS51861-70         SCREW, TAPPING, THREA THREAD FORMING, A9, A14         EA         2           57         21         PAOZZ         5305-00-432-4205         96906         MS51861-49         SCREW	57	10	XBOZZ	2540 00 018 4184	19207	8722186-13	.ROD, LOCKING	EΑ	1 1
57         14         XDOZZ         5310-00-595-7237         96906         MS35333-42         WASHER, LOCK         A09, A14         EA         1           57         16         PAOZZ         5305-00-958-0611         96906         MS35207-309         SCREW, MACHINE         A09, A14         EA         1           57         17         XBOZZ         5305-00-1480         96906         MS25207-309         SCREW, MACHINE         A09, A14         EA         1           57         18         PAOZZ         5305-00-432-4255         96906         MS24625-63         SCREW, TAPPING, THREA THREAD FORMING. A9, A14         EA         2           57         19         PAOZZ         5305-00-432-4255         96906         MS51861-70         SCREW, TAPPING, THREA THREAD FORMING. A9, A14         EA         2           57         21         PAOZZ         5305-00-432-4205         96906         MS51861-49         SCREW, TAPPING, THREA THREAD FORMING. A09, A14         EA         4           57         22         XBOZZ         5305-00-432-4205         96906         MS51861-49         SCREW, TAPPING, THREA THREAD FORMING. A09, A14         EA         4           57         23         XBOZZ         5305-00-432-4205         96906         MS51861-49         SCREW, TA	57	12	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER, LOCK	EΑ	2
57         16         PAOZZ         5305-00-958-0611         96906         MS35207-309         SCREW, MACHINE         A09, A14         EA         1           57         17         XBOZZ         5305-01-050-1480         96906         MS24625-63         SCREW, TAPPING, THREA THREAD FORMING. A9, A14         EA         1           57         19         PAOZZ         5305-00-432-4255         96906         MS51861-70         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         2           57         20         PAOZZ         5305-00-432-4205         96906         MS51861-70         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         1           57         21         PAOZZ         5305-00-432-4205         96906         MS51861-49         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         1           57         21         PAOZZ         5305-00-432-4205         96906         MS51861-49         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         1           57         22         XBOZZ         40670         34861701-2         GUARD	57	14	XDOZZ		19207	10920372	.ROD, LOCKINGA09, A14	EA	1
57         18         PAOZZ         5305-01-050-1480         96906         MS24625-63         SCREW, TAPPING, THREA THREAD FORMINGA9, A14         EA         2           57         19         PAOZZ         5305-00-432-4255         96906         MS51861-70         SCREW, TAPPING, THREA THREAD FORMING A09, A14         EA         2           57         20         PAOZZ         5340-00-839-0098         19207         7748911         BOLT, FLUSH	_				1		WASHER, LOCK		
57         20         PAOZZ         5340-00-839-0098         19207         7748911         BOLT, FLUSH	_		_	5305-01-050-1480					
57         21         PAOZZ 5305-00-432-4205         96906 19207 10920231         SCREW, TAPPING, THREA THREAD FORMING A09, A14 EA 4 1 109207 10920231         EA 44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	_						· · · · · · · · · · · · · · · · · · ·		
57         23         XBOZZ         5330-00-939-7111         40670         34861701-2         GUARD	_		_		1		SCREW, TAPPING, THREA THREAD FORMING A09, A14		
51         25         XDOZZ         40670         3486700         DOOR, METAL, SWINGING         A09         EA         1           51         25         XDOZZ         5310-00-73-0558         96906         MS51967-8         NUT, PLAIN, HEXAGON         A09, A14         EA         1           57         27         PAOZZ         5310-00-637-9541         96906         MS35338-46         WASHER, LOCK         A09, A14         EA         21           57         28         PAOZZ         5305-00-269-3213         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14         EA         9           57         29         PAOZZ         5340-01-117-6445         19207         10907027         HINGE, TEE         A09, A14         EA         1           57         30         XAOZZ         5310-00-584-5272         96906         MS35338-48         WASHER, LOCK         A09, A14         EA         1           57         32         PAOZZ         5310-00-584-5272         96906         MS35338-48         WASHER, LOCK         A09, A14         EA         1           57         33         PAOZZ         5310-00-584-5272         96906         MS35338-48         WASHER, LOCK         A09, A14         EA	57	23	XBOZZ	5220 00 020 7111	40670	34861701-2	GUARDA09, A14	EΑ	1
51         26         PAOZZ         5310-00-73-0558         96906         MS51967-8         NUT, PLAIN, HEXAGON         A09, A14         EA         21           57         27         PAOZZ         5310-00-637-9541         96906         MS35338-46         WASHER, LOCK         A09, A14         EA         21           57         28         PAOZZ         5305-00-269-3213         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14         EA         9           57         29         PAOZZ         5340-01-117-6445         19207         10907027         HINGE, TEE         A09, A14         EA         3           57         31         XAOZZ         19207         10907029         HINGE, BUTT         A09, A14         EA         1           57         32         PAOZZ         5310-00-584-5272         96906         MS35338-48         WASHER, LOCK         A09, A14         EA         1           57         33         PAOZZ         5310-00-880-7745         96906         MS51968-11         NUT, PLAIN, HEXAGON         A09, A14         EA         1           57         34         PAOZZ         5305-00-719-5275         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14	51	25	XDOZZ	3330-00-939-7111	40670	3486700	DOOR, METAL, SWINGING	EΑ	1
57         28         PAOZZ         5305-00-269-3213         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14         EA         9           57         29         PAOZZ         5340-01-117-6445         19207         10907027         HINGE, TEE         A09, A14         EA         3           57         30         XAOZZ         19207         10907028         STRAP, HINGE         A09, A14         EA         1           57         32         PAOZZ         5310-00-584-5272         96906         MS35338-48         WASHER, LOCK         A09, A14         EA         1           57         34         PAOZZ         5305-00-719-5275         96906         MS90727-128         SCREW, CAP, HEXAGON H         A09, A14         EA         1           57         35         PAOZZ         5305-00-269-3213         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14         EA         1           57         35         PAOZZ         5305-00-269-3213         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14         EA         3	51	26	PAOZZ		96906	MS51967-8	NUT, PLAIN, HEXAGONA09, A14	EΑ	21
57         30         XAOZZ         19207         10907028         .STRAP, HINGE         A09, A14         EA         1           57         31         XAOZZ         19207         10907029         HINGE, BUTT         A09, A14         EA         1           57         32         PAOZZ         5310-00-584-5272         96906         MS35338-48         .WASHER, LOCK         A09, A14         EA         1           57         34         PAOZZ         5305-00-719-5275         96906         MS90727-128         .SCREW, CAP, HEXAGON H         A09, A14         EA         1           57         35         PAOZZ         5305-00-269-3213         96906         MS90725-62         SCREW, CAP, HEXAGON H         A09, A14         EA         3	57	28	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW, CAP, HEXAGON H	EΑ	9
57         32         PAOZZ         5310-00-584-5272         96906         MS35338-48         .WASHER, LOCK	_	-	_	5340-01-117-6445			.STRAP, HINGE		
57   34   PAOZZ   5305-00-719-5275   96906   MS90727-128   SCREW, CAP, HEXAGON H	_	-	_	5310-00-584-5272					
57   35   PAOZZ   5305-00-269-3213   96906   MS90725-62   SCREW, CAP, HEXAGON H	_		_						
33 PAOZZ 3300-303-393-0237 30930 Wi333731-77 BOLT, SQUARE NEOK	57	35	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW, CAP, HEXAGON H	EΑ	6
	51	35	PAUZZ	5306-00-993-6257	90906	INI232121-11	BOLT, SQUARE NECKA09, A14	EA	

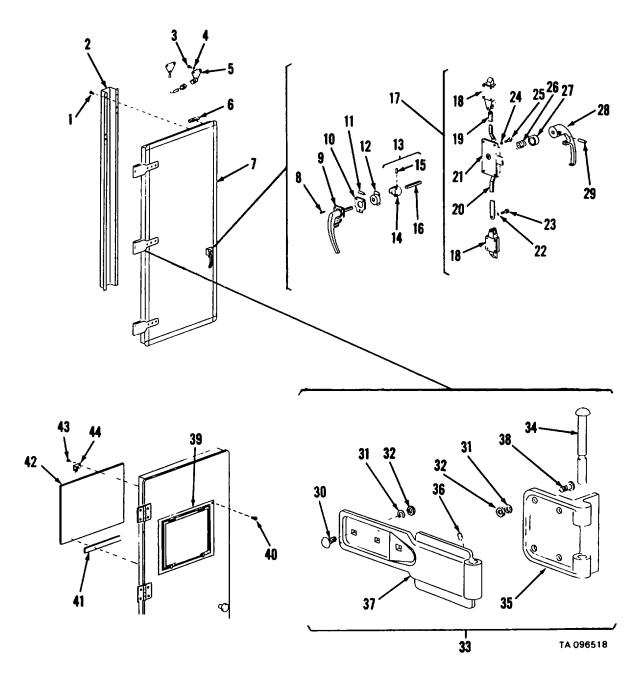


Figure 58. Rear door, XM738, XM823, XM824; side door, XM739, XM739E1, XM822

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI	-	ν-,	(*)	``'		DESCRIPTION	(.,	`
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
58	1	PA0ZZ	5305-00-432-4205	96906	MS51861-49	SCREW, TAPPING, THREA THREAD FORMING140	EA	64
58		PAOZZ	5305-00-432-4205	96906	MS51861-49	SCREW, TAPPING, THREA A11, C13, C58, C59, 26F	EA	32
58		XBOZZ		19207	10891499-2	GUARD140	EΑ	2
58		XBOZZ		19207	10891499-2	GUARD A11, C58, C59, .26F	EA	1 1
58		XBOZZ	5005 00 050 0047	19250	11682950	GUARD	EA	1
58	-	PAOZZ PAOZZ	5305-00-052-6917	96906	MS24629-50	SCREW, TAPPING, THREA	EA EA	4
58 58		PAOZZ	5310-00-045-3296 5340-01-034-3072	96906 19207	MS35338-43 11681178	WASHER, LOCK	EA	4   1
58	-	PAOZZ	5330-00-939-7111	19207	11592461	SEAL, RUBBER SPECIAL	RL	20
58	-	XDOZZ	0000 00 000 7111	40670	9419909	SEAL, RUBBER	FT	20
58	-	XDOZZ		40674	9884703	DOOR, METAL, SWINGING	ΕA	1 1
58	7	X00ZZ		19207	11682953	DOOR, METAL, SWINGINGC13	EΑ	1
58		XDOZZ		40670	9772700	DOOR, METAL, SWINGING LEFT SIDE 26F	EA	1
58		XDOZZ		40670	9772700	DOOR, METAL, SWINGING140	EA	2
58		PAOZZ	5320-00-067-5840	96906	MS20613-8P10	RIVET, SOLID	E	6
58		PAOZZ PAOZZ	5320-00-067-5840	96906	MS20613-8P10	RIVET, SOLIDA11, C13, C58, C59, 26F HANDLE, DOOR EXTERIOR140	EA EA	3 2
58 58	-	PAOZZ	2540-00-287-2571 2540-00-287-2571	19207 19207	7264749 7264749	HANDLE, DOOR EXTERIOR A11, C58, C59, 26F	EA	
58	-	PAOZZ	2540-01-035-0169	19207	11637970	HANDLE, DOOR EXTERIOR	EA	
58	-	PAOZZ	5330-00-414-6695	19207	11592566	GASKET140	EA	2
58	-	PAOZZ	5330-00-414-6695	19207	11592566	GASKETA11, C13, C58, C59, 26F	EA	1 1
58	11	PAOZZ	5315-00-682-2207	96906	MS35677-46	PIN, GROOVED, HEADLES140	EΑ	2
58	11	PAOZZ	5315-00-682-2207	96906	MS35677-46	PIN, GROOVED, HEADLES HEADLESA11, C13, C58, C59,	26F	EA
1 1	40	DDO77	2010 01 000 2052	40670	0067004	CLUTCH EDICTION 140	_^	2
58 58		PBOZZ PBOZZ	3010-01-098-2053 3010-01-098-2053	40670 40670	9067001 9067001	CLUTCH, FRICTION140   CLUTCH, FRICTION	EA EA	
58		PBOZZ	2510-01-031-0063	19207	1158900	CLUTCH, DOOR HANDLE	EA	
58		PBOZZ	3010-01-098-2054	40670	9067002	CLUTCH, FRICTION	EA	2
58		PBOZZ	3010-01-098-2054	40670	9067002	CLUTCH, FRICTIONA11, C58, CS9.26F	ΕA	1
58	13	PBOZZ	3010-01-098-2052	19207	11682943	CLUTCH, FRICTIONC13	EA	1
58		PBOZZ	2510-01-041-0680	19207	11589901	.CLUTCH, DOOR HANDLE	EA	1
58	15	PAOZZ	5315-00-800-0712	96906	MS35677-49	PIN, GROOVED, HEADLES HEADLESSA11, C13, C58, C59	) EA	1
58	16	PBOZZ	5315-01-045-6509	19207	11637989	PIN, STRAIGHT, HEADLEC13	EA	1
58		PBOZZ	2540-01-061-2331	19207	10891482	LOCK ASSEMBLY140	EA	2
58	17	PBOZZ	2540-01-061-2331	19207	10891482	LOCK ASSEMBLY26F	Е	1
58		PB0ZZ	2540-00-999-9451	19207	10882369	LOCK ASSEMBLY A11, C58, C59	EΑ	1
58		PBOZZ	2540-01-098-1933	19207	11682949	LOCK ASSEMBLY, SIDEC13	EA	1
58		PAOZZ	5340-00-839-0098	19207	7748911	.BOLT, FLUSHA11, C13, C58, C59, 140, 26F	EA	2
58 58		XBOZZ XBOZZ		19207 19207	8722186-3 11682948-2	ROD, LOCKINGA11, C58, C59, 140, 26F   ROD, LOCKINGC13	EA EA	1
58		XBOZZ		19207	8722186-10	ROD, LOCKINGA11, C58, C59, 140, 26F	EA	1   1
	20	ADOLL		10207	0722100 10	1100, 200, 140, 201		'
				L		1		1 1

ILLUSTI	1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN Unit
58	-	XBOZZ		19207	11682948-1	.ROD, LOCKING	EA	1
58 58		PAOZZ PAOZZ	2540-00-918-4184 5310-00-637-9541	19207 96906	10911036-2 MS35338-46	LOCK ASSEMBLY, VANDOO A11, C13, C58, C59, 140, 26F	EA EA	1 2
58		XDOZZ	5305-00-269-3234	96906	MS90727-58	SCREW, CAP, HEXAGON HA11, C13, C58, C59, 140, 26F	EA	2
58		PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER, LOCK	EA	24
58 58		PAOZZ PAOZZ	5310-00-582-5965 5305-00-432-4254	96906 96906	MS35338-44 MS51861-69	WASHER, LOCKA11, C13, C58, C59, 26F SCREW, TAPPING, THREA THREAD FORMING140	EA EA	12   24
58	25	PAOZZ	5305-00-432-4254	96906	MS51861-69	SCREW, TAPPING, THREAA11, C13, C58, C59, 26F	EΑ	12
58 58		PAOZZ PAOZZ	5360-00-025-8210 5360-00-025-8210	19207 19207	11589902 11589902	SPRING, HELICAL, COMP	EA EA	2   1
58	-	PAOZZ	5360-00-025-8210	19207	11589902	SPRING, HELICAL, COMPC13	EA	
58		XDOZZ	5340-01-112-6388	40670	9067005	RETAINER, HELICAL CO140	EΑ	2
58 58		PAOZZ PAOZZ	5340-01-112-6388 5340-01-032-6011	40670 19207	9067005 11637943	RETAINER, HELICAL C A11, C58, C59, 26F RETAINER, HELICAL CO C13	EA EA	1 1
58	28	PAOZZ	2540-00-809-7796	19207	10882484	HANDLE, DOOR INTERIOR140	EΑ	2
58 58		PAOZZ PAOZZ	2540-00-809-7796 5315-00-866-2673	19207 96906	10882484 MS35677-48	HANDLE, DOOR INTERIOR411, C13, C58, C59, 26F PIN, GROOVED, HEADLES HEADLESS140	EA EA	1 2
58	-	PAOZZ	5315-00-866-2673	96906	MS35677-48	PIN, GROOVED, HEADLES A11, C13, C58, C59, 22F	EA	2
58		PAOZZ PAOZZ	5306-00-816-2441	96906	MS35751-71	BOLT, SQUARE NECK140	EΑ	18
58 58		PAOZZ	5306-00-816-2441 5310-00-637-9541	96906 96906	MS35751-7I MS35338-46	BOLT, SQUARE NECK	EA EA	9   42
58	31	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER, LOCK	EA	21
58 58	-	PAOZZ PAOZZ	5310-00-732-0558 5310-00-732-0558	96906 96906	MS51967-8 MS51967-8	NUT, PLAIN, HEXAGON140 NUT, PLAIN, HEXAGON	EA EA	42   21
58	-	PAOZZ	2540-00-918-4194	40670	3234702	HINGE, REARODOR140	EA	6
58		PAOZZ PAOZZ	2540-00-918-4194	40670	3234702	HINGE, REARDOOR	EA EA	3
58 58		PAOZZ	5340-00-931-8180 5340-00-164-3558	40670 19207	9772706 11607505	HINGE, DOOR	EA	3
58	-	XAOZZ		40670	9068002	.PIN, STRAIGHT, HEADED140, 26F	EΑ	1
58 58		XAOZZ XAOZZ		19207 19207	11607480 10882202	.PIN, STRAIGHT, HEADEDA11, C13, C58, C59 .HINGE, BUTT	EA EA	1   1
58	35	XAOZZ		19207	10882201	.HINGE, BUTT	EΑ	1
58 58		PAOZZ XAOZZ	5305-00-723-9386	96906 40670	MS51963-64 9068001	.SETSCREWA11, C13, C58, C59, 140, 26F .STRAP, HINGE140, 26F	EA EA	1 1
58		XAOZZ		19207	11607487	.STRAP, HINGE	EA	
58		PAOZZ	5305-00-269-3214	96906	MS90725-64	SCREW, CAP, HEXAGON H140	EΑ	24
58 58		PAOZZ PAOZZ	5305-00-269-3214 5305-00-269-3214	96906 96906	MS90725-64 MS90725-64	SCREW, CAP, HEXAGON H	EA EA	12
58		PAOZZ	5306-00-993-6257	96906	MS35751-77	BOLT, SQUARE NECK C13, C58., C59	ΕA	6
58	30	PAOZZ	5306-01-033-4358	19207	11681633	BOLT, SQUARE NECK	EA	6
ш-			I	I .	E-14	<del>IU</del>		

LLUSTRATION   (a) (b)	QTY INC IN UNIT 1 20 10 10 10 10 10 10 10 10 10 10 10 10 10		DESCRIPTION	i .	(4)	(3)	(2)	1)	
FIG         ITEM         SMR         STOCK         PART         NUMBER         PART         NUMBER         USABLE ON CODE         U//           58         39         XDOZZ         5670-01-031-5060         70109         WM3330-1         WINDOW, METAL         C13         E/           58         40         PAOZZ         5305-00-432-4173         96906         MS51861-15         SCREW, TAPPING, THREA THREAD FORMING         C13         E/           58         41         PAOZZ         9320-00-897-5884         19207         10906776         RUBBER STRIP         C13         E/           58         42         XBOZZ         19207         11683043         PANEL, BLACKOUT         C13         E/           58         43         PAOZZ         5320-01-113-9895         96906         MS24662-25         RIVET, BLIND         C13         E/	IN UNIT 1 20 10 10 10 10 10 10 10 10 10 10 10 10 10					NATIONAL		RATION	ILLUST (a)
58       40       PAOZZ       5305-00-432-4173       96906       MS51861-15       SCREW, TAPPING, THREA THREAD FORMING	20 10 1 1 1 6	U/M	USABLE ON CODE		FSCM			ITEM	FIG
		U/M	WINDOW, METAL	NUMBER  WM3330-1 MS51861-15 10906776 11683043 MS24662-25	70109 96906 19207 19207 96906	NUMBER  5670-01-031-5060 5305-00-432-4173 9320-00-897-5884  5320-01-113-9895	XDOZZ PAOZZ PAOZZ PAOZZ XBOZZ PAOZZ	NO. 39 40 41 42 43	NO.  58 58 58 58 58
E-141			4	E 44					

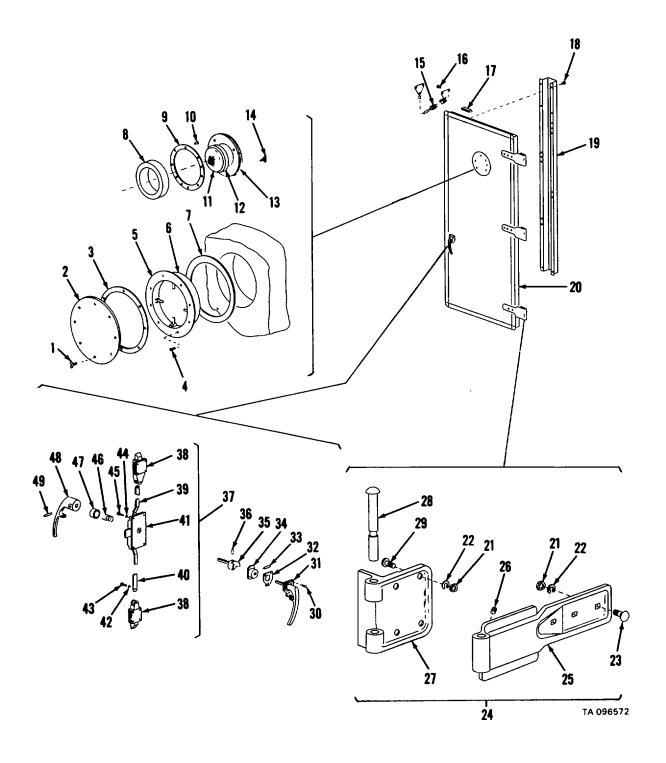


Figure 59. Side door and right rear door, XM738, XM739E1, XM823, XM824.

			Т	1	1			
(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUST		, ,				DESCRIPTION	` ,	`´
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
59		XDOZZ PBOZZ	5300-01-127-4209	19207	8747108	THUMBSCREW	EA	16
59 59	_	PAOZZ	2540-01-045-5630 5330-01-054-4008	19207 19207	10891492 10891493	COVER, ACCESS	EA EA	2 2
59		PAOZZ	5305-00-052-6906	96906	MS24627-35	SCREW, TAPPING, THREA THREAD FORMING A11, C58,	EA	16
F0	5	XBOZZ		19207	10891502	C59, 26F	EA	,
59 59	_	XBOZZ		19207	10891496	RETAINER, BUSHING	EA	2 2
59	7	PAOZZ		19207	8747104	GASKETA11, C58, C59, C26F	ΕA	2
59		PAOZZ	5365-00-929-8373	19207	10891495	BUSHING, RUBBER	EΑ	2
59 59		PAOZZ PAOZZ	5365-01-050-7925 5365-01-103-3444	19207 40670	10891494 99521005	SPACER, PLATE	EA EA	1 1
59		PAOZZ	5320-00-828-1284	96906	MS24662-155	RIVET, BLINDA11, C58, C59, C26F	EA	16
59		XBOZZ	2540-01-098-6783	40670	99521002	SCREEN, AIR VENT HOU	EA	2
59 59		XBOZZ PAOZZ		46470 40670	99521003 99521004	RETAINER	EA EA	2 2
59		PAOZZ	5305-00-919-5070	19207	10882136	THUMBSCREW	EA	6
59		PAOZZ	5340-01-034-3072	19207	11681178	CHAIN DOOR STOP	EA	2
59 59	16 17	PAOZZ PAOZZ	5305-00-052-6917 5330-00-939-7111	96906 19207	MS24629-50 115924461	SCREW, TAPPING, THREA	EA RL	8 42
59		PAOZZ	5305-00-432-4205	96906	MS51861-49	SCREW, TAPPING, THREA	EA	64
59	19	XBOZZ		19207	10891499-2	GUARDA11, C58, C59, C26F	EA	2
59 59		XDOZZ XDOZZ		40670 40670	9964700 9884701	DOOR, METAL, SWINGING	EA EA	1 1
59	20	XODZZ		40670	9965700	DOOR, METAL, SWINGING	EA	
59		PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT, PLAIN, HEXAGONA11, C58, C59, C26F	EA	42
59 59		PAOZZ PAOZZ	5310-00-637-9541 5306-00-816-2441	96906 96906	MS35338-46 MS35751-71	WASHER, LOCK	EA EA	42   18
59		PAOZZ	2540-00-918-4194	40670	3234702	HINGE, REARDOOR	EA	3
59	24	PAOZZ	5340-00-931-8180	40670	9772706	HINGE, DOORA11, C58, C59, C26F	EA	3
59 59	25 25	XAOZZ XAOZZ		40670 19207	9068001 11607487	STRAP, HINGE	EA EA	1   1
59	26 26	PAOZZ	5305-00-723-9386	96906	MS51963-64	SETSCREWA11, C58, C59, C26F	EA	
59	27	XAOZZ		19207	10882202	.HINGE, BUTTA11, C58, C59, C26F	EA	1
59	27	XAOZZ		19207	10882201	.HINGE, BUTT	EΑ	1 1
59 59	28 28	XAOZZ XDOZZ	5315-01-143-0639	40670 19207	9068002 11607480	PIN, STRAIGHT, HEADED	EA EA	1 1
59	29	PAOZZ	5305-00-269-3214	96906	MS90725-64	SCREW, CAP, HEXAGON HA11, 26F	EA	12
59		PAOZZ	5305-00-269-3216	96906	MS90725-66	SCREW, CAP, HEXAGON HA11, 26F	EΑ	12
59 59		PAOZZ PAOZZ	5305-00-269-3213 5306-01-033-4358	96906 19207	MS90725-62 11681633	SCREW, CAP, HEXAGON H	EA EA	6 6
59		PAOZZ	5306-00-993-6257	96906	MS35751-77	BOLT, SQUARE NECKC58, C59	ĒΑ	12
					E-14	43		

<i>(</i> -	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTF	-	(-)	(6)	( ',	(6)	DESCRIPTION	(.,	
(a)	(b)		NATIONAL					QTY
FIG NO.	NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC IN UNIT
59 59 59 59 59 59 59 59 59 59 59 59 59 5	31 32 33 33 34 34 35 35 37 37 37 38 39 40 41 42 43 44 45 46 46 47 47 48	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PBOZZ PAOZZ	5320-00-067-5840 2540-00-287-2571 5330-00-414-6695 5315-00-682-2207 3010-01-098-2053 3010-01-098-2054 3010-01-098-2054 5310-00-800-0712 5315-00-800-0712 2540-01-061-2331 2540-01-061-2331 2540-00-999-9451 5340-00-839-0098 2540-00-918-4184 5310-00-637-9541 5305-00-269-3234 5310-00-582-5965 5305-00-432-4254 5360-00-025-8210 5360-00-025-8210 5340-01-112-6388 5340-01-112-6388 5340-01-112-6388 5340-01-112-6388 5340-01-112-6388 5340-01-866-2673	96906 19207 19207 96906 96906 40670 40670 40670 96906 96906 19207 19207 19207 19207 19207 19207 19207 19207 19207 96906 96906 96906 19207 19207 40670 40670 19207 96906	MS20613-8P10 7264749 11592566 MS35677-46 MS35677-46 9067001 9067002 9067002 MS35667-49 MS35677-49 10891482 10882369 7748911 8722186-3 87221186-10 10911036-2 MS35338-46 MS90727-58 MS35338-44 MS51861-69 11589902 11589902 9067005 10882484 MS35677-48	RIVET, SOLID	EEEEEEEEEEEEEE EEEEEEEEEEEEEEEEEEEEEEE	622212121211 12224212122
					= 177(E-14			

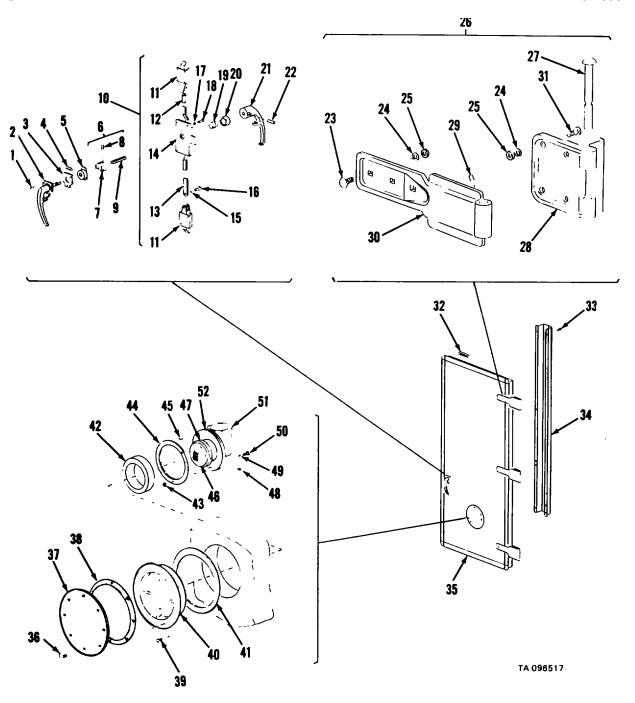


Figure 60. Right side door and right rear door, XM574, XM574E1.

_		45.	(6)		,_,	753	<i>(</i> -)	<b></b>
('ILLUSTF	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DEGGINI HON		QTY
FIG	ITEM	SMR	STOCK	FCOM	PART	LICADI E ON CODE	11/84	INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN Unit
60		PAOZZ	5320-00-067-5840	96906	MS20613-8P10	RIVET, SOLIDA12, A13	EA	6
60 60		PAOZZ PAOZZ	2540-01-035-0169 5330-00-414-6695	19207 19207	11637970 11592566	HANDLE, DOOR EXTERIOR	EA EA	2 2
60		PAOZZ	5315-00-682-2207	96906	MS35677-46	PIN, GROOVED, HEADLES HEADLESS	EA	2
60		PBOZZ	2510-01-031-0063	19207	11589900	CLUTCH, DOOR HANDLEA12, A13	EA	2
60	-	PBOZZ PBOZZ	2540-01-088-5905 2510-01-041-0680	19207 19207	11637990 11589901	CLUTCH ASSEMBLY, HAN	EA EA	2
60		PAOZZ	5315-00-800-0712	96906	MS35677-49	.PIN, GROOVED, HEADLES HEADLESS	EA	1
60		PAOZZ	5315-01-045-6509	19207	11637989	.PIN, STRAIGHT, HEADLE HEADLESSA12, A13	EA	1
60		PBOZZ PAOZZ	2540-01-049-8001 5340-00-839-0098	19207 19207	11637991-1 7748911	LOCK ASSEMBLY, VAN	EA EA	2 2
60		XBOZZ	3340 00 033 0030	19207	8722186-3	.ROD, LOCKINGA12, A13	EA	1
60		XBOZZ	0540 00 040 4404	19207	8722186-10	ROD, LOCKINGA12, A13	EA	1
60 60		PAOZZ PAOZZ	2540-00-918-4184 5310-00-637-9541	19207 96906	10911036-2 MS35338-46	LOCK ASSEMBLY, VANDOO DOOR	EA EA	1 2
60	16	XDOZZ	5305-00-269-3234	96906	MS90727-58	.SCREW, CAP, HEXAGON HA12, A13	EΑ	2
60		PAOZZ PAOZZ	5310-00-582-5965	96906	MS35338-44 MS51861-69	WASHER, LOCK	EA EA	24 24
60 60	18 19	PAOZZ	5305-00-432-4254 5360-00-025-8210	96906 19207	11589902	SPRING, HELICAL, COMP COMPRESSION A12, A13	EA	24
60	20	PAOZZ	5340-01-032-6011	19207	11637943	RETAINER, HELICAL CO COMPRESSION A12, A13	EΑ	2
60 60		PAOZZ PAOZZ	2540-00-809-7796 5315-00-866-2673	19207 96906	10882484 MS35677-48	HANDLE, DOOR INTERIORA12, A13 PIN, GROOVED, HEADLES HEADLESSA12, A13	EA EA	2 2
60		PAOZZ	5306-00-816-2441	96906	MS35751-71	BOLT, SQUARE NECKA12, A13	EA	18
60	24	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER, LOCKA12, A13	EΑ	42
60		PAOZZ PAOZZ	5310-00-732-0558 5340-00-164-3558	96906 19207	MS51967-8 11607505	NUT, PLAIN, HEXAGON	EA EA	42 6
60		XAOZZ	3340-00-104-3338	19207	11607303	PIN, STRAIGHT, HEADEDA12, A13	EA	1
60		XAOZZ	5005 00 700 0000	19207	10882202	.HINGE, BUTT	EA	1
60 60		PAOZZ XAOZZ	5305-00-723-9386	96906 19207	MS51963-64 11607487	.SETSCREW	EA EA	1 1
60	31	PAOZZ	5306-00-993-6257	96906	MS35751-77	BOLT, SQUARE NECKA12, A13	EA	12
60 60	-	PAOZZ PAOZZ	5306-00-089-0175 5305-00-269-3214	96906 96906	MS35751-84 MS90725-64	BOLT, SQUARE NECK	EA EA	6
60		PAOZZ	5330-00-269-3214	19207	11592461	SEAL, RUBBER SPECIAL	RL	36
60	33	PAOZZ	5305-00-432-4205	96906	MS51861-49	SCREW, TAPPING, THREA THREAD FORMING A12, A13	EΑ	61
60		XBOZZ XDOZZ		19207 19207	10891499-2 11607452	GUARD	EA EA	2 1
60		PBOZZ	2510-01-074-6764	19207	11607611-1	DOOR, METAL, SWINGING RIGHT REAR	EA	1 1
60		PAOZZ	5305-00-919-5070	19207	10882136	THUMBSCREWA12, A13	EA	16
60	37	PBOZZ	2540-01-045-5630	19207	10891492	COVER, ACCESSA12, A13	EA	2
ш.			I	i .	E-14	<del>17</del>		

(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTI (a)			NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC
60 60 60 60 60 60 60 60 60 60 60	39 40 41 42 43 44 45 46 47 48 49 50 51	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5330-01-054-4008 5305-00-068-9183 2450-01-094-9002 5330-00-841-9289 5365-00-929-8373 5310-00-952-3632 5365-01-049-4399 5320-00-828-1284 2510-01-047-5406 5320-00-903-5543 5310-00-582-5965 5305-00-225-3839 2540-01-094-9004 5330-01-054-4007	19207 96906 19207 19207 19207 19207 19207 96906 19207 19207 19207	10891493 MS35202-55 10891506 10944311 10891495 8741247-30 1158988 MS24662-155 11589882 MS24662-13 MS35338-44 MS90725-8 11589880 11589881	GASKET	E A A A A A A A A A A A A A A A A A A A	2 16 2 2 2 6 2 16 2 2 18 6 6 2 2 2
L!				<u> </u>	E-148(E-149	DLANK)	l	

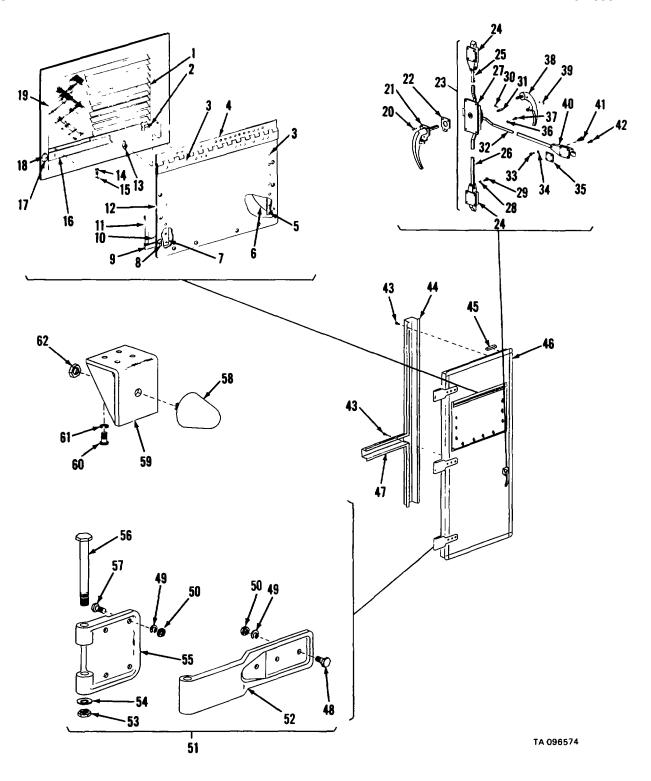


Figure 61. Rear doors, XM680, XM680E1.

			Т	_				
(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUST		. ,	` '	` ′	` '	DESCRIPTION	` ´	`´
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	l .
								UNIT
61		XDOZZ		40670	34861020	LOUVERA09, A14	EA	4
61		PAOZZ	5305-00-919-5070	19207	10882136	THUMBSCREWA09, A14	EA	4
61		PAOZZ XDOZZ	5320-00-242-1578	96906 40670	MS20470A6-8 3486972	RIVET, SOLID	EA EA	108 2
61		PAOZZ	5340-01-103-1553	40670	3486973-1	HINGE, BUTT SHIELD, LHA09, A14	EA	2
61	-	XBOZZ		40670	3486971	SHIELDA09, A14	EA	4
61		PAOZZ	5340-01-103-1554	40670	3486973-2	HINGE, BUTT RH	EA	2
61 61	-	PAOZZ PAOZZ	5325-00-826-3620 5330-01-105-2880	19207 40670	10907044-5 3486934	EYELET, TURNLOCK FAS FASTENER	EA FT	20 8
61		PAOZZ	5325-00-290-8026	71286	4002-11W	STUD ASSEMBLY, TURNL TURNLOCK	EA	20
						FASTENER		
61		PAOZZ	5330-01-120-9316	40670	2949995	RUBBER, STRIP	FT	6
61 61		XBOZZ PAOZZ	5310-00-080-8495	40670 96906	3486970 MS35425-39	COVER, ACCESS	EA EA	2 2
61	-	PAOZZ	5305-00-432-4171	96906	MS51861-36	SCREW, TAPPING, THREA THREAD FORMING A09, A14	EA	2
61		PAOZZ	5310-00-045-3299	96906	MS35338-42	WASHER, LOCK	EA	12
61		XBOZZ	5000 00 000 0040	40670	3486737	ANGLE	EA	4
61		PAOZZ PAOZZ	5320-00-638-8619 5325-01-031-8998	88044 19207	AN426A4-8 7327426-2	RIVET, SOLID	EA EA	40 20
61		PAOZZ	2540-01-098-1932	40670	3486736	SCREEN ASSEMBLY, DOOA09, A14	EA	20
61		PAOZZ	5320-00-067-5840	96906	MS20613-8P10	RIVET, SOLID	EA	6
61		PAOZZ	2540-00-287-2571	19207	7264749	HANDLE, DOOR	EA	2
61		PAOZZ PBOZZ	5330-00-414-6695 2540-01-061-2331	19207 19207	11592566 10891482	GASKET	EA EA	2
61	-	PBOZZ	2540-01-061-2331	19207	10882369	LOCK ASSEMBLY	EA	
61	24	PAOZZ	5340-00-839-0098	19207	7748911	.BOLT, FLUSHA09, A14	EA	2
61		XBOZZ		19207	8722186-3	ROD, LOCKING	EA	1
61 61		XBOZZ PAOZZ	2540-00-918-4184	19207 19207	8722186-10 10911036-2	ROD, LOCKING	EA EA	1 1
61		PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER, LOCK	EA	2
61	29	XDOZZ	5305-00-269-3234	96906	MS90727-58	.SCREW, CAP, HEXAGON H	EΑ	2
61		PAOZZ	5315-00-816-1794	96906	MS24665-285	PIN, COTTERA09, A14	EA	2
61		PAOZZ XBOZZ	5315-01-096-3205	19207 19207	10920274 8722186-4	PIN	EA EA	2
61		PAOZZ	5305-00-958-0611	96906	MS35207-309	SCREW, MACHINE	EA	2
61		PAOZZ	5310-00-595-7237	96906	MS35333-42	WASHER, LOCK	EA	2
61		XBOZZ	5040 00 500 5005	19207	10920252	SPACER	EA	2
61 61		PAOZZ PAOZZ	5310-00-582-5965 5305-00-432-4254	96906 96906	MS35338-44 MS51861-69	WASHER, LOCK	EA EA	24 24
61		PAOZZ	2540-00-809-7796	19207	10882484	HANDLE, DOOR	EA	2
61		PAOZZ		40670	30154719	PIN, GROOVED	A	2
			1	1	E-15	31	ĺ	l

	1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN Unit
61	40	PAOZZ	5340-00-839-0098	19207	7748911	BOLT, FLUSHA09, A14	EA	2
61	-	PAOZZ	5305-00-052-7405	94906	MS24617-47	SCREW, TAPPING, THREA THREAD FORMING A09, A14	EA	4
61		PAOZZ	5305-01-050-1480	96906	MS24625-63	SCREW, TAPPING, THREA THREAD FORMING A09, A14	EA	4
61		PAOZZ XBOZZ	5305-00-432-4205	96906 40670	MS51861-49 3349701-1	SCREW, TAPPING, THREA	EA EA	88 1
61	44	XBOZZ		40670	3349701-2	GUARD	EA	1
61 61	-	PAOZZ XDOZZ	5330-00-939-7111	19207 40670	11592461 9444702	SEAL, RUBBER SPECIAL	RL EA	40 1
61		XDOZZ		40670	9444702	DOOR, METAL, SWINGING	EA	
61	46	XDOZZ		40670	3486708	DOOR, METAL SWINGING	EA	1
61		XDOZZ XDOZZ		40670 40670	3486707 9444701	DOOR, METAL SWINGING	EA EA	1 1
61	-	XBOZZ		19207	10920231	GUARDA09, A14	EA	2
61	-	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW, CAP, HEXAGON H	EA	18
61		PAOZZ PAOZZ	5310-00-637-9541 5310-00-732-0558	96906 96906	MS35338-46 MS51967-8	WASHER, LOCK	EA EA	42 42
61	51	PAOZZ	2540-00-910-8213	19207	10882244	HINGE, DOOR	EΑ	3
61	-	PAOZZ	2540-00-910-8212	19207	10882243	HINGE, DOOR	EA EA	3
61		XAOZZ PAOZZ	5310-00-067-9507	19207 96906	10891504 MS51922-37	STRAP, HINGE	EA	
61		PAOZZ	5310-00-809-5998	96906	MS27183-18	.WASHER, FLAT	EA	1
61		XAOZZ XAOZZ		19207 19207	10882202 10882201	.HINGE BUTT	EA EA	1 1
61		PAOZZ	5305-00-719-5275	96906	MS90727-128	.SCREW, CAP, HEXAGON H	EA	1
61	-	PAOZZ	5306-01-033-4358	19207	11681633	BOLT, SQUARE NECK	EA	12
61	-	PAOZZ PAOZZ	5306-00-993-6257 5340-00-910-9639	96906 40670	MS35751-77 3486896	BOLT, SQUARE NECK	EA EA	12 4
61		XBOZZ		40670	3486898	BRACKET, MOUNTINGA09, A14	EA	4
61 61		PAOZZ PAOZZ	5305-00-052-6917 5310-00-045-3296	96906 96906	MS24429-50 MS35338-43	SCREW, TAPPING, THREA	EA EA	8 8
61		PAOZZ	5310-00-045-3290	96906	MS51968-8	NUT, PLAIN, HEXAGON	EA	4
				1				
					E-152(E-153	BLANK)		

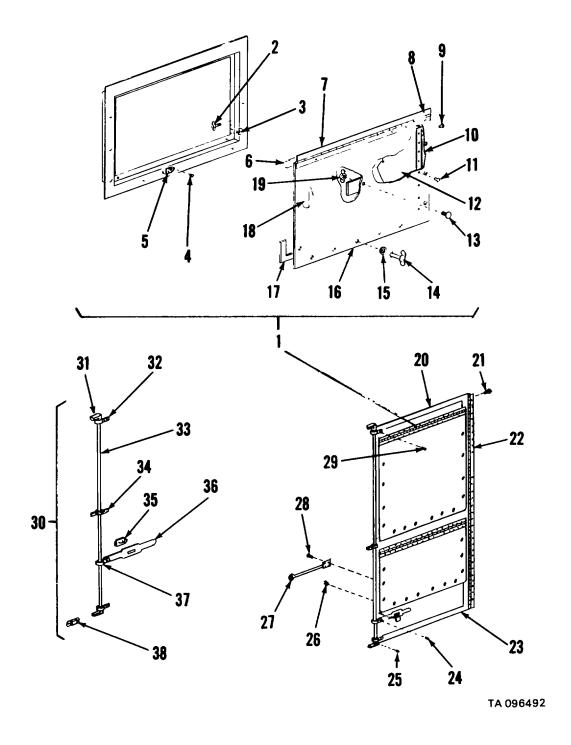


Figure 62. Front doors, XM680, XM680E1.

			ı	1	1			
(	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUST		, ,	, ,	` ´		DESCRIPTION	, ,	`´
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
62		XDOZZ		40670	3486994	OPENING ASSEMBLY	EA	4
62 62		PAOZZ PADZZ	5305-00-919-5070 5310-00-952-3632	19207 19207	10882136 8741247-30	.THUMBSCREW	EA EA	2 2
62	4	PADZZ	5320-00-638-8619	88044	AN426A4-8	RIVET, SOLID	EA	26
62		PAOZZ	5325-01-031-8998	19207	7327426-2	.RECEPTACLE, TURNLOCKA09, A14	EA	13
62		PAOZZ XDOZZ	5330-01-105-2880	40670	3486934	RUBBER STRIP	FT	4   1
62 62	7 8	PAOZZ	5320-00-242-1578	40670 96906	3486949 MS20470A6-8	.HINGE, BUTT	EA EA	46
62		PAOZZ	5320-00-242-1579	96906	MS20470A6-7	.RIVET, SOLID	EA	24
62		PAOZZ	5340-01-103-1557	40670	3486950-2	.HINGE, BUTT LOWER, RIGHT	ΕA	1
62 62		PAOZZ PAOZZ	5340-01-103-1555 5320-00-242-1578	40670 96906	3486964-2 MS20470A6-8	.HINGE, BUTT UPPER, RIGHT	EA EA	1 2
62	12	XBOZZ	3320-00-242-1370	40670	3486962	SHIELD UPPER COVER	EA	1
62	12	XBOZZ		40670	3486947	.SHIELD LOWER COVERA09, A14	EΑ	1
62		PAOZZ	5307-01-104-5993	19207	11592443-1	STUD, SELF-LOCKING	EA	1
62	14	PAOZZ	5325-00-290-8026	19207	10907045-5	STUD ASSEMBLY, TURNL TURNLOCK FASTENER. A09	EA	13
62	15	PAOZZ	5325-00-826-3620	19207	10907044-5	.EYELET, TURNLOCK FAS FASTENER A09, A14	EΑ	13
62		XBOZZ		40670	3486961	.COVER, ACCESS UPPER OPENINGA09, A14	EA	1
62 62	16 17	XBOZZ PAOZZ	5330-01-120-9316	40670 40670	3486948 2949995	COVER, ACCESS LOWER OPENING	EA FT	1   8
62	18	PAOZZ	5340-01-103-1558	40670	3486950-1	.HINGE, BUTT LOWER, LEFT	EA	1
62	18	PAOZZ	5340-01-103-1556	40670	3486964-1	.HINGE, BUTT UPPER, LEFTA09, A14	EΑ	1
62	19	PAOZZ	5310-00-080-8495	96906	MS35425-39	NUT, PLAIN, WINGA09, A14	EA	1
62 62	20 20	XDOZZ XDOZZ		40670 40670	3486723-2 3486723-1	DOOR, METAL, SWINGING	EA EA	1 1
62	20	XDOZZ		40670	9444700-1	DOOR, METAL, SWINGING	EA	i
62	20	XDOZZ		40670	9444700-2	DOOR, METAL, SWINGINGA14	EA	1
62 62	21 22	PAOZZ XDOZZ	5305-00-052-7380	96906 40670	MS24627-30 8-3486715	SCREW, TAPPING, THREA THREAD FORMING A09, A14 HINGE, ACCESS DOOR	EA EA	132 2
62	22	PAOZZ	5340-01-103-3400	40670	9444710	HINGE, BUTT	EA	2
62	23	PAOZZ	5330-00-939-7111	19207	11592461	SEAL, RUBBER SPECIALA09, A14	RL	40
62		XDOZZ		19220	14X870	PIN, STRAIGHTA09, A14	EA	4
62 62	25 26	XDOZZ PADZZ	5340-00-584-9400	19220 92026	7X195 08	SETSCREW	EA EA	16 2
62	27	XBOZZ	2540-01-091-7621	40670	3486743	DOOR, HOLD-BACK ASSE	EA	2
62	28	PAOZZ	5305-00-432-4172	96906	MS51861-37	SCREW, TAPPING, THREAA09, A14	ΕA	10
62		PAOZZ PBOZZ	5305-00-469-3722	96906	MS51862-58	SCREW, TAPPING, THREAA09, A14	EA	20
62 62		PAOZZ	2540-01-098-1934 2590-01-100-3745	40670 40670	2948730 2948717	LOCK ASSEMBLY, FRONT	EA EA	2
62		PAOZZ	9390-00-563-7562	75345	5626-1	NONMETALLIC CHANNEL	EA	2
						<u> </u>		
					E-15	35		

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	RATION (b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION  USABLE ON CODE	U/M	
62 62 62 62 62 62 62	33 34 35 36 37	XDOZZ PAOZZ XDOZZ XDOZZ XDOZZ PAOZZ	5340-01-103-8766 1620-00-756-9181 2540-01-100-3744	19220 40670 19220 02121 19220 40670	5626-7 2948718 5628-6 5628-5 5626-10 2948720	BAR, LOCKING		UNIT 2 1 2 2 2 2 3 3
					E-156(E-157	BLANK)		

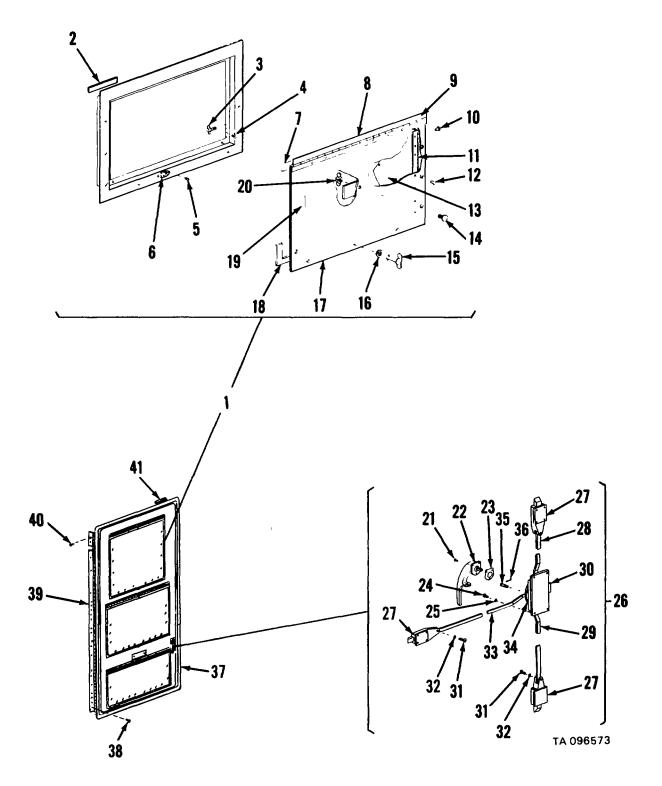


Figure 63. Front door, XM822.

1	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
63		XDOZZ XDOZZ		19207 19207	11682968 11682967	FRAME ASSEMBLY TOP	EA EA	1 1
63		XDOZZ		19207	11682966	FRAME ASSEMBLY BOTTOMC13	EA	i
63		XDOZZ	9320-00-107-0847	19207	11682988	RUBBER STRIP	FT	4
63		XDOZZ XDOZZ	9320-00-209-1900 9320-00-107-0823	19207 19207	11682989 11682990	RUBBER STRIP	FT FT	12 12
63	3	PAOZZ	5305-00-919-5070	19207	10882136	.THUMBSCREWC13	EΑ	2
63		PBOZZ PAOZZ	5310-01-044-8360	19207 88044	10882479-2 AN426A4-8	.NUT, PLAIN, BLIND RIV	EA EA	2 24
63		PAOZZ	5320-00-638-8619 5325-01-031-8998	19207	7327426-2	RECEPTACLE, TURNLOCK	EA	12
63		PAOZZ	9320-00-611-6416	19207	11592552	.RUBBER STRIPC13	FT	9
63		XDOZZ PAOZZ	5340-01-097-9602	40670 19207	11682963 11592529	.HINGE, BUTT	EA EA	1 1
63	-	PAOZZ	5340-01-112-8196	19207	11592525	.HINGE, BUTT U/O NHA 11682966	EA	
63		PAOZZ	5320-00-849-9356	96906	MS20470A8-9	.RIVET, SOLID	EA	35
63 63		PAOZZ XDOZZ	5320-00-242-1579	96906 40670	MS20470A6-7 11682965	RIVET, SOLID	EA EA	24 2
63		PAOZZ	5340-01-114-0131	19207	11592531-2	.HINGE, BUTT	EA	1
63		PAOZZ PAOZZ	5340-01-099-8107	19207	11592527-2	HINGE, BUTT	EA	1
63 63		XBOZZ	5320-00-242-1578	96906 19207	MS20470A6-8 11682964	RIVET, SOLID	EA EA	7 2
63	13	PBOZZ	2530-01-047-5405	19207	11592530	.COVER, INTERMEDIATE	EA	2
63	-	PBOZZ PAOZZ	2510-01-047-5404 5307-01-104-5993	19207 19207	11592526 11592443-1	COVER, LOWER FRAME	EA EA	2   1
63		PAOZZ	5325-00-298-7004	71284	4002-10W	STUD ASSEMBLY, TURNL TURNLOCK FASTENER. C13	EA	12
63	-	PAOZZ	5325-00-081-4157	19207	10907044-2	.EYELET, TURNLOCK FASC13	EA	12
63		XBOZZ PBOZZ	2540-01-044-8748	19207 19207	11682962 11592528	.COVER, ACCESS	EA EA	1 1
63		PBOZZ	2540-01-044-8745	19207	11592524	.COVER, ACCESS	EA	1
63		PAOZZ	9320-00-897-5884	19207	10906776	RUBBER STRIP	FT	17
63	-	PAOZZ PAOZZ	5340-00-099-0086 5340-01-099-8106	19207 19207	11592531-1 11592527-1	.HINGE, BUTT	EA EA	1 1
63	20	PAOZZ	5310-00-080-8495	96906	MS35425-39	.NUT, PLAIN, WINGC13	EA	1
63		PAOZZ PAOZZ	5320-00-067-5840 2540-00-287-2571	96906 19207	MS20613-8P10 7264749	RIVET, SOLID	EA EA	3
63		PAOZZ	5330-00-414-6695	19207	11592566	GASKET	EA	
63	1	PAOZZ	5305-00-432-4254	96906	MS51861-69	SCREW, TAPPING, THREA THREAD FORMING C13	EA	16
63		PAOZZ XDOZZ	5310-00-582-5965 2540-01-111-5387	96906 40670	MS35338-44 11682979	WASHER, LOCK	EA EA	16   1
63		PAOZZ	5340-00-839-0098		7748911	BOLT, FLUSHC13	EA	3
L!			ı	<u> </u>	E-15	<del>)9</del>	l	

1	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a)	(b)	CNID	NATIONAL		DART	DESCRIPTION		QTY
FIG NO.	NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN UNIT
63 63 63 63 63 63 63 63 63 63	29 30 31 32 33 34 35 36 37 38 39 40	XBOZZ XBOZZ PAOZZ XBOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	2590-00-630-1567 5305-00-269-3234 5310-00-637-9541 2540-01-044-8928 5315-01-096-3205 5315-00-816-1794 5305-00-292-7947 5340-01-049-9478 5305-00-052-6882 5330-00-939-7111	19207 19207 19207 96906 96906 19207 19207 96906 19207 96906 19207	11682948-5 11682948-3 10911036-1 MS90727-58 MS35338-46 11682948-4 11592551 10920274 MS24665-285 11682931 MS24627-66 11592441 MS24627-65 11592461	ROD, LOCKING	E E A A A A A A A A A A A A A A A A A A	1 1 1 3 3 1 1 1 1 34 1 34 20
					,	,		

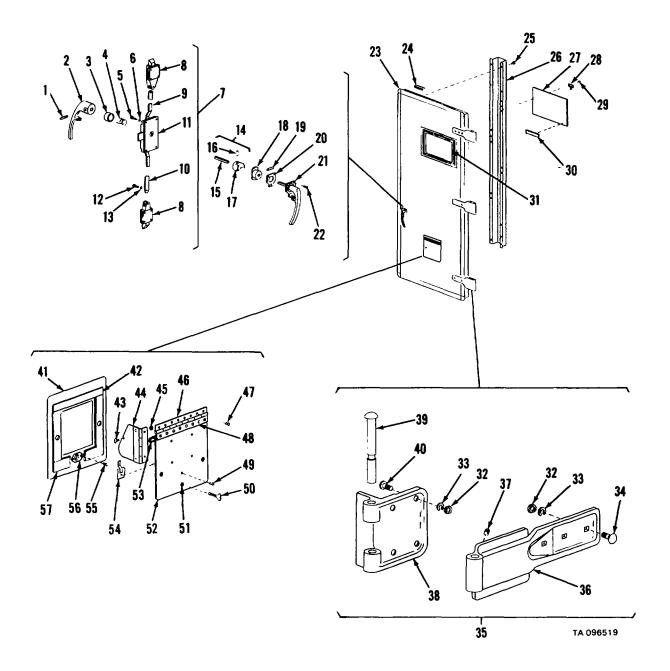


Figure 64. Rear door and right side door, XM822

	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUST	RATION	• •	, ,	` ′	, ,	DESCRIPTION	` ´	` ´
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
INO.	NO.	CODE	NOWBER	I JOIN	NOMBER	USABLE ON CODE	O/IVI	UNIT
C4	4	DA077	5245 00 000 0072	00000	M005077 40	DIN CROOVED HEADLESS		
64 64	1 2	PAOZZ PAOZZ	5315-00-866-2673 2540-00-809-7796	96906 19207	MS35677-48 10882484	PIN, GROOVED, HEADLESS	EA EA	2 2
64	3	PAOZZ	5340-00-009-7790	19207	11637943	RETAINER, HELICAL CO	EA	2
64	4	PAOZZ	5360-00-025-8210	19207	11589902	SPRING, HELICAL, COMP COMPRESSION	EA	2
64	5	PAOZZ	5305-00-432-4254	96906	MS51861-69	SCREW, TAPPING, THREA THREAD FORMING C13	EA	24
64	6	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER, LOCK	EA	24
64	7	PAOZZ	2540-01-098-1936	19207	11682985	LOCK ASSEMBLY, RIGHT SIDE DOOR	EA	1
64	7	PAOZZ	2540-01-049-8001	19207	11637991-1	LOCK ASSEMBLY, VAN REAR DOOR	EA	
64	8	PAOZZ	5340-00-839-0098	19207	7748911	BOLT. FLUSH	EA	2
64	9	XBOZZ		19207	8722186-3	ROD. LOCKING	EA	1 1
64	10	XBOZZ		19207	8722186-10	ROD, LOCKING	EA	1 1
64	11	PFOZZ	2590-00-630-1567	19207	10911036-1	LOCK, VAN DOOR	EA	1 1
64	11	PAOZZ	2540-00-918-4184	19207	10911036-2	LOCK ASSEMBLY, VAN HOOD	EΑ	1
64	12	XDOZZ	5305-00-269-3234	96906	MS90727-58	SCREW, CAP, HEXAGON H	EΑ	2
64	13	PAOZZ	5310-00-637-5541	96906	MS35338-46	WASHER, LOCK	EΑ	2
64	14	PBOZZ	3010-01-098-2052	19207	11682943	CLUTCH, FRICTION	EΑ	2
64	15	PBOZZ	3040-01-120-40670	40670	11682942	SHAFT, STRAIGHT HEADLESS	EΑ	1
64	16	PAOZZ	5315-00-800-0712	96906	MS35677-49	PIN, GROOVED, HEADLESS	EΑ	1
64	17	PBOZZ	2510-01-041-0680	19207	11589901	CLUTCH, DOOR HANDLE	EΑ	1
64	18	PBOZZ	2510-01-031-0063	19207	11589900	CLUTCH, DOOR HANDLE	EΑ	2
64	19	PAOZZ	5315-00-682-2207	96906	MS35677-46	PIN, GROOVED, HEADLES HEADLESSC13	EA	2
64	20	PAOZZ	5330-00-414-6655	19207	11592566	GASKET C13	EA	2
64	21	PAOZZ	2540-01-035-0169	19207	11637970	HANDLE, DOOR EXTERIOR C13	EA	2
64	22	PAOZZ	5320-00-067-5840	96906	MS20613-8P10	RIVET, SOLID C13	EA	6
64	23	XDOZZ		19207	11682936	DOOR, METAL, SWINGING C13	EA	1
64	23	XDOZZ		19207	11682936	DOOR, METAL, SWINGING C13	EA	1
64	24	PAOZZ	5330-00-939-7111	19207	11592461	SEAL, RUBBER SPECIAL	RL	40
64	25	PAOZZ	5305-00-052-6917	96906	MS24629-50	SCREW, TAPPING, THREA THREAD FORMING C13	EA	32
64	25	PAOZZ	5305-00-432-4201	96906	MS51861-45	SCREW, TAPPING, THREA THREAD FORMINGC13		EA
64	26	XBOZZ		19207	10891499-2	GUARD	ΕA	2
64	27	XBOZZ		19207	11683043	PANEL BLACKOUT	EA	2
64	28	XDOZZ		19207	11683044	CLIP	EA	4
64	29	PAOZZ	5320-01-113-9895	96906	MS24662-25	RIVET, BLIND	ĒΑ	12
64	30	PAOZZ	9320-00-897-5884	19207	10906776	RUBBER STRIP	FT	10
64	31	PAOZZ	5670-01-031-5060	70109	WM3331	WINDOW, METAL	EΑ	2
64	32	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT, PLAIN. HEXAGON C13	EΑ	42
64	33	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER, LOCK C13	EΑ	42
64	34	PAOZZ	5306-00-816-2441	96906	MS35751-71	BOLT, SQUARE, NECK	EΑ	18
64	35	PAOZZ	5340-00-164-3558	19207	11607505	HINGE, TEE C13	EΑ	6
64	36	XAOZZ		19207	11607487	STRAP.HINGE C13	EA	1
					E-10	 83		
					E-11	9 <del>3</del>		

	•	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
1	(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
	64 64 64 64 64 64 64 64 64 64 64	38 39 40 40 41 42 43 44 45 46 47 48 49 50	XAOZZ XAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5305-00-269-3214 5306-00-993-6257 9320-00-611-6416 5305-00-919-5070 2510-01-037-4973 2510-01-030-2423 5310-01-044-8360 5340-01-034-3852 5320-00-242-1580 5320-00-242-1579 5325-00-582-3830	19207 19207 96906 96906 19207 19207 19207 19207 19207 19207 96906 96906 96906	10882202 11607480 MS90725-64 MS35751-77 11681434 11592552 10882136 11681400-1 11681400-2 10882479-2 11681399 MS20470AD6-12 MS20470A6-6 MS20470A6-7 10907045-1	RIVET, SOLID	E E E E E E E E E E E E E E E E E E E	1 1 12 12 2 2 4 2 2 4 2 16 16 10 6
	64 64 64 64 64 64	51 52 53 54 55 56 57	PAOZZ PBOZZ DDOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5325-00-582-3839 5340-01-040-7362 5340-01-038-5287 5320-00-543-3680 5325-01-031-8958 9320-00-897-5884	19207 19207 19207 19207 96906 19207 19207	10922418 11681407 11631743 11681432 MS20426A4-7 7327426-2 10906776 <b>E-164/(E-16</b>	EVELET, TURNLOCK FAS FASTENER       C13         COVER, ACCESS       C13         SEAL       C13         CLIP, SPRING TENSION       C13         RIVET, SOLID       C13         RECEPTACLE, TURNLOCK       C13         RUBBER STRIP       C13         5 BLANK)	EA FT EA EA FT	6 2 3 2 12 6 4

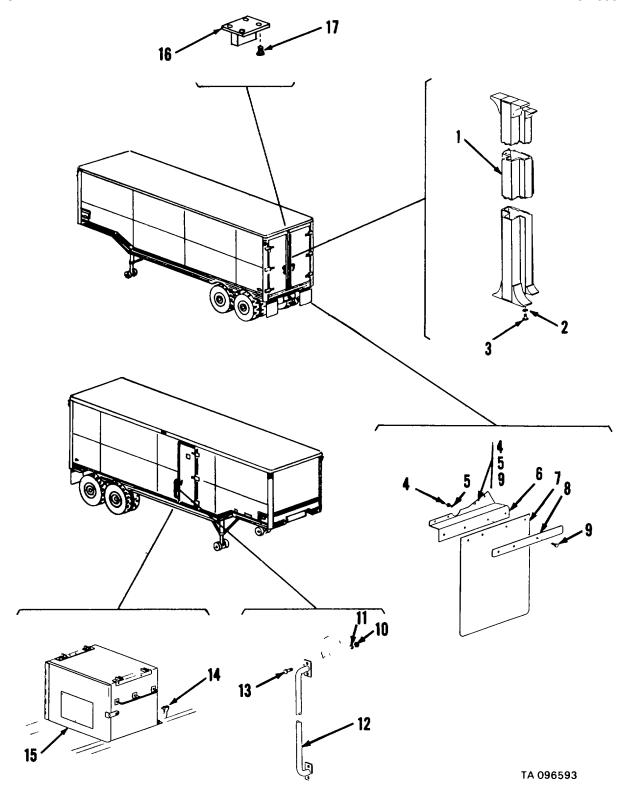


Figure 65. Miscellaneous body parts.

		(2)	<b></b>		(=)	(2)		(2)
1	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	RATION					DESCRIPTION		
(a)	(b)		NATIONAL					QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
65	1	PBOZZ	2540-01-044-8929	19207	11589919	POST, DOOR,.REMOVABLE REAR	EA	1
65		PBOZZ	2510-01-092-9821	40670	3486504	POST ASSEMBLY. REARA09. A14	EΑ	
65	i	XO7ZZ	2510-01-091-7623	40670	3486405	POST ASSEMBLY. FRONT	ĒΑ	1 1
65	2	PAOZZ	5310-00-407-9566	96906	MS35338-45	WASHER, LOCKA12,A13,C58,C59	EΑ	4
65	2	PAOZZ	5310-00-407-9566	96906	MS35338-45	WASHER, LOCKA09,A14	EΑ	8
65	3	PAOZZ	5305-00-954-4603	96906	MS35218-84	SCREW,.MACHINEA12,A13,C58,C59	EΑ	4
65	3	PAOZZ	5305-00-954-4603	96906	MS35218-84	SCREW, MACHINE	EΑ	8
65	4	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT, PLAIN, HEXAGON A09,A10,A11,A12.A13,A14.C58,C59,140,26	EA.	14
65	4	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT.PLAIN,HEXAGON	EΑ	14
65	4	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT.PLAIN,HEXAGONC14,C15,C16 ,C17.C18,C19,C61,C62		16
65	4	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT.PLAIN.HEXAGONC13	_EA	16
65	5	PAOZZ	5310-00-637-5541	96906	MS35338-46	WASHER,LOCKA09,A10.A11,A12,A13,A14,C58,C59.140.26		14
65	5	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK	EΑ	14
65	5	PAOZZ PAOZZ	5310-00-637-9541	96906-	MS35338-46	WASHER.LOCKC14,C15,C16,C17,C18,C19,C61,C62	EΑ	16
65	5 6	XBOZZ	5310-00-637-9541	96906 19207	MS35338-44 10882199	WASHER.LOCK	EA	16   1
65	6	XBOZZ		19207	10882199	BRACKET. MOUNTING	EA	
65	6	XBOZZ		19207	10882207	BRACKETMOUNTINGLH A09,A10,A11,A12,A13,A14,C58,C59,140,26		
65	6	XBOZZ		19207	10882207	BRACKET MOUNTING	EA	
65	6	XBOZZ		19207	11646302-2	BRACKET RH	EΑ	lil
65	6	XBOZZ		19207	11646302-2	BRACKETC13	ĒΑ	1 1
65	6	XBOZZ		19207	11646302-1	BRACKET LH	ΕA	1
65	6	XBOZZ		19207	11646302-1	BRACKET	EΑ	1
65	6	XBOZZ		40670	5955122-1	BRACKET RHC61,C62	EΑ	1
65	6	XBOZZ		40670	5955122-2	BRACKET LHC61,C62	EΑ	1
65	7	PAOZZ	2540-00-897-5917	19207	10882200	GUARD, SPLASH,VEHICU	EΑ	2
65	8	PAOZZ	5365-00-717-5617	18876	10944341	SPACER,PLATE	EΑ	2
65	9	PAOZZ	5305-00-942-2196	96906	MS18154-60	SCREWCAP,HEXAGON A09,A10,A11,A12,A13,A14,C58,C59,140,261		14
65	9	PAOZZ	5305-00-942-2196	96906	MS18154-60	SCREWCAP,HEXAGON.HC13	EA	14
65	9	PAOZZ	5305-00-942-2196	96906	MS18154-60	SCREWCAP,HEXAGON.HC14,C15,C16,C17,C18,C19,C61,C62	EA	16
65	9	PAOZZ PAOZZ	5305-00-942-2196	96906	MS18154-60	SCREWCAP,HEXAGON.H	EΑ	16
65 65	10 10	PAOZZ	5310-00-952-3566 5310-00-952-3566	03481 03481	A25-380 A25-380	NUT, PLAIN	EA EA	6 10
65	10	PAOZZ	5310-00-952-3566	03481	A25-380 A25-380	NUT PLAIN.BLIND RIV RIVET09.A10.A14.C16.C17.C19	EA	12
65	10	PAOZZ	5310-00-952-3566	03481	A25-380 A25-380	NUT PLAIN.BLIND RIV RIVET	EA	18
65	11	PAOZZ	5310-00-932-5366	96906	MS35338-44	WASHER, LOCK	EA	6
65	11	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER, LOCK	EΑ	10
65	11	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER LOCK	ΕA	12
						, , , , , , , , , , , , , , , , , , , ,		
					E-1	67		

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG	(b)	SMR	NATIONAL STOCK		PART			QTY INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
65	11	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER,LOCKC13	EA	18
65	12	PBOZZ	5340-01-092-4139	19207	11681343	HANDLE, BOWC18	EΑ	1 1
65	12	PBOZZ	2540-01-031-6397	19207	11681277	WASHER,LOCK	EΑ	1 1
65	12	PBOZZ	2540-01-031-6397	19207	11681277	HANDRAIL, METALLICC16,C17,C19	EΑ	2
65	12	PBOZZ	2540-01-031-6397	19207	11681277	HANDRAIL, METALLICC13	EΑ	3
65	12	PBOZZ	2540-01-091-7625	40670	3234997	HANDLE ASSEMBLY	EΑ	2
65	13	PAOZZ	5305-00-071-2241	96906	MS90725-10	SCREW,CAP,HEXAGONC62	EΑ	6
65	13	PAOZZ	5305-00-071-2241	96906	MS90725-10	SCREW,CAP,HEXAGON.HC18	EA	10
65	13	PAOZZ	5305-00-071-2241	96906	MS90725-10	SCREW,CAP,HEXAGON.HA09,A10,A14,C16,C17,C19	EΑ	12
65	13	PAOZZ	5305-00-071-2241	96906	MS90725-10	SCREW,CAP,HEXAGON.HC13	EΑ	18
65	14	PAOZZ	2530-00-678-4092	19207	8747218	PIN AND CHAIN ASSVC14,C15	EA	1
65	15	PAOZZ	2540-01-089-9133	19207	11646333	BOX,STOWAGE,VEHICULC14,C15	EA	1
65	16	XDOZZ	2540-01-091-7624	40670	3486748	BRACKET ASSEMBLY,DOA09,A14		3
65	17	PAOZZ	5305-00-292-7947	96906	MS24627-66	SCREW,TAPPING,THREA THREAD FORMINGA09,A14	EA	12
					E 469//E 46	O DI ANK)		
					E-168/(E-16	S DLANN)		

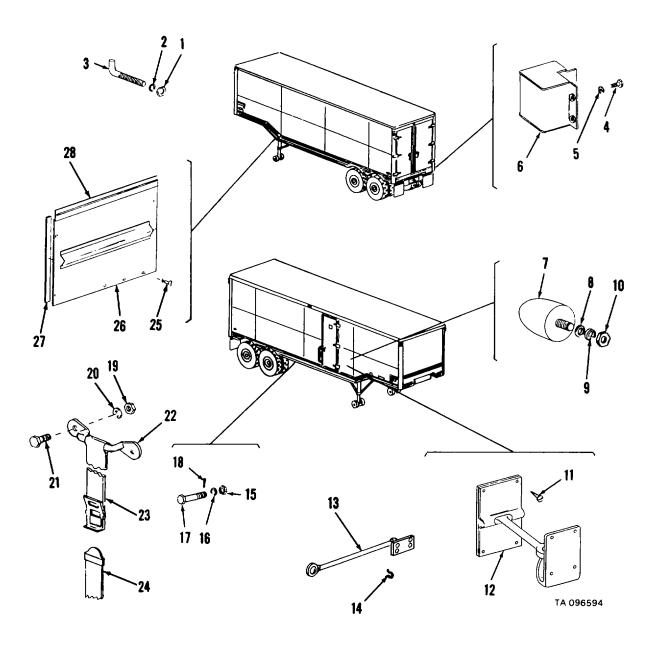


Figure 66. Miscellaneous body parts.

E-170

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	RATION	\-/		``'	(0)	DESCRIPTION	(,,	(0)
			NATIONAL			DESCRIPTION		QTY
(a)	(b)	CMD			DADT			_
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
								UNIT
66	1	PAOZZ	5310-00-880-7744	96906	MS51967-5	NUT, PLAIN,HEXAGON	EΑ	2
66	2	PAOZZ	5310-00-407-9566	96906	MS35338-45	WASHER,LOCK	EΑ	2
66	3	PAOZZ	5306-01-034-3418	19207	10882285	BOLT,HOOK	EΑ	2
66	4	XDOZZ	5305-00-543-2419	96906	MS35291-061	SCREW CAP, HEXAGON H A09, A10, A11, A14, C58, C59, 140, 26F	EΑ	8
66	4	PAOZZ	5305-00-915-8087	96906	MS18154-113	SCREW CAP, HEXAGON H C13, C14, C15, C16, C17, C18, C19, C61, C62	EΑ	8
66	4	PAOZZ	5305-00-042-6417	96906	MS90725-113	SCREW CAP,HEXAGON HA12,A13	EΑ	8
66	5	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCKA09,A10,A11,A14,C58,C59,140,26F	EΑ	8
66	5	PAOZZ	5310-00-584-5272	96906	MS35338-48	WASHER,LOCK.A12,A13,C13,C14,C15,C16,C17,C18,C19,C61,C6		8
66	6	PAOZZ	2540-01-046-0367	19207	10891528	BUMPER, VEHICULAR REAR, LEFT HAND	EΑ	1
66	6	PFOZZ	2540-01-032-7419	19207	10891529	BUMPER, VEHICULAR REAR, RIGHT HAND	ΕA	1
66	7	PAOZZ	5340-00-929-8372	19207	8747317	BUMPER,RUBBER	EA	2
66	7	PAOZZ	5340-00-929-8372	19207	8747317	BUMPER,RUBBER.A11,A12,A13,C16,C18,C58,C59,140,26F		3
66	7	PAOZZ	5340-00-929-8372	19207	8747317	BUMPER,RUBBER	EΑ	4
66	8 9	PAOZZ PAOZZ	5310-00-080-6004	96906 96906	MS27183-14 MS35338-46	WASHER,FLAT	EA EA	4 2
66	9	PAOZZ	5310-00-637-9541 5310-00-637-9541	96906	MS35338-46	WASHER,LOCKA09,A10,A14,C15,C17,C61,C62 WASHER,LOCKA11,A12,A13,C16,C18,C58,C59,140,26F	EA	3
66	9	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCKC13	EA	4
66	10	PAOZZ	5310-00-037-9341	96906	MS51967-8	NUT,PLAIN,HEXAGON	EA	2
66	10	PAOZZ	5310-00-732-0559	96906	MS51967-6	NUT,PLAIN,HEXAGON	EA	2
66	10	PAOZZ	5310-00-732-0559	96906	MS51968-8	NUT,PLAIN,HEXAGONA11,A12,A13,C16,C18,C58,C59,140,26		3
66	10	PAOZZ	5310-00-732-0559	96906	MS51968-8	NUT.PLAIN.HEXAGON	ĒΑ	4
66	11	PAOZZ	5305-00-855-0967	96906	MS24629-37	SCREW,TAPPING,THREA THREAD FORMING	EΑ	16
66	11	PAOZZ	5305-00-855-0967	96906	MS24629-37	SCREW,TAPPING,THREA THREAD FORMINGA12,A13	EA	24
66	11	PAOZZ	5305-00-432-4172	96906	MS51861-37	SCREW, TAPPING, THREA THREAD FORMINGA11, C58, C59	) EA	24
66	11	PAOZZ	5305-00-432-4172	96906	MS51861-37	SCREW, TAPPING, THREA THREAD FORMINGC13,140,26F	EA	32
66	11	PAOZZ	5305-00-432-4172	96906	MS51861-37	SCREW, TAPPING, THREA THREAD FORMINGA09	EΑ	20
66	11	PAOZZ	5305-00-432-4252	96906	MS51861-66	SCREW,TAPPING	EΑ	16
66	11	PAOZZ	5305-00-432-4252	96906	MS51861-66	SCREW,TAPPINGC16,C18	EΑ	24
66	12	PAOZZ	2540-00-918-4191	19207	8747118	HOLDER ASSEMBLY	EΑ	2
66	12	PAOZZ	2540-00-918-4191	19207	8747118	HOLDER ASSEMBLYA12,A13,C16,C18	EΑ	3
66	12	PAOZZ	2540-00-918-4191	19207	8747118	HOLDER ASSEMBLY.DOORC13,140,26F	EA	4
66	13	XBOZZ	2540-01-091-7621	40670	3486743	DOOR,HOLD-BACK ASSEA09	EΑ	4
66	14	PAOZZ	5340-00-584-9400	92026	OB	CLIP,SPRING TENSION	EΑ	4
66	15	PAOZZ	5310-00-763-8901	92906	MS51968-23	NUT,PLAIN,HEXAGON	ΕA	4
66	15	PAOZZ	5310-00-763-8901	92906	MS51968-23	NUT, PLAIN, HEXAGON	EΑ	6
66	15	PAOZZ	5310-00-763-8901	92906	MS51968-23	NUT,PLAIN,HEXAGON	EΑ	6
66	15	PAOZZ	5310-00-732-0560	92906	MS51968-14	NUT,PLAIN,HEXAGON	EA FA	24 24
66	15 15	PAOZZ PAOZZ	5310-00-763-8920 5310-00-763-8920	92906 92906	MS51967-20 MS51968-23	NUT.PLAIN,HEXAGONC13	EA	24
66	16	PAOZZ	5310-00-763-8920	92906	MS35340-51	WASHER, LOCKC14,C15,C16,C17,C18,C19,C61,C62	EA	6
00	10	FAULL	3310-00-032-0434	32300	1V1000040-01	vvA3i1E1X, E00X014,013,010,017,010,019,001,002	LA	0
					E-1	71		
					_			
$\overline{}$			1		1			

1 '	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG	ITEM	SMR	STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	
I NO.	INO.	CODE	NUMBER	FSCIVI	INUIVIBER	USABLE ON CODE	U/IVI	
								UNIT
66	16	PAOZZ	5310-00-052-6454	96906	MS35340-51	WASHER,LOCK	EΑ	6
66	16	PAOZZ	5310-00-584-5272	96906	MS35338-48	WASHER,LOCKA11,C58,C59,140,26F	EΑ	24
66	16	PAOZZ	5310-00-820-6653	80045	23MS35338-50	WASHER,LOCK	EΑ	24
66	16	PAOZZ	5310-00-820-6653	80045	23MS35338-50	WASHER,LOCK	EΑ	24
66	17	XDOZZ	5305-00-929-9218	96906	MS51106-463	SCREW,CAP,HEXAGONC61,C62	EΑ	2
66	17	XDOZZ	5305-00-929-9218	96906	MS51106-463	SCREW,CAP,HEXAGON.HC14,C15,C16,C17,C18,C19	EΑ	6
66	17	XDOZZ	5305-00-929-9218	96906	MS51106-463	SCREW,CAP,HEXAGON.HC13	EΑ	6
66	17	PAOZZ	5305-00-762-6041	96906	MS90726-189	SCREW,CAP,HEXAGON.H		4
66	17	PAOZZ	5305-00-719-5184	96906	MS90727-109	SCREW,CAP,HEXAGON.HA11,C58,C59,14,0,26F	EΑ	24
66	17	PAOZZ	5305-00-727-5677	96906	MS90726-162	SCREW,CAP,HEXAGON.H	EΑ	24
66	17	PAOZZ	5305-00-727-5677	96906	MS90726-162	SCREW,CAP,HEXAGON.HC13	EΑ	24
66	18	PAOZZ	5315-00-013-7214	96906	MS24665-359	PIN,COTTER DOLLY ATTACHC61,C62	EΑ	2
66	18	PAOZZ	5315-00-013-7214	96906	MS24665-359	PIN,COTTER	EΑ	6
66	18	PAOZZ	5315-00-013-7214	96906	MS24665-359	PIN,COTTERC13	EA	6
66	19	PAOZZ	5310-00-934-9751	96906	MS35650-302	NUT,PLAIN,HEXAGONC14,C15,C16,C17,C18,C19,C58,C59	EΑ	16
66	19	PAOZZ	5310-00-934-9751	96906	MS35650-302	NUT,PLAIN	EΑ	8
66	20	PAOZZ	5310-00-045-3296	96906	MS35338-43	WASHER,LOCKC14,C15,C16,C17,C18,C19,C58,C59	EΑ	16
66	20	PAOZZ	5310-00-045-3296	96906	MS35338-43	WASHER,LOCK	EΑ	8
66	21	PAOZZ	5305-00-993-1851	96906	MS35207-267	SCREW MACHINEC14,C15,C16,C17,C18,C19,C58,C59	EΑ	16
66	21	PAOZZ	5305-00-993-1851	96906	MS35207-267	SCREW MACHINE	EΑ	8
66	22	PAOZZ	5340-00-916-6539	96906	MS51939-2	LOOP,STRAP FASTENERC14,C15,C16,C17,C18,C19,C58,C59	EΑ	8
66	22	PAOZZ	5340-00-916-6539	96906	MS51939-2	LOOP,STRAP FASTENERA09,A11,A12,A13,A14,140,26F	EΑ	4
66	23	PAOZZ	5340-01-089-9171	19207	10882135	STRAP,WEBBINGC14,C15,C16,C17,C18,C19,C58,C59	EΑ	4
66	24	PAOZZ	5340-01-089-9172	19207	10882134	STRAP,WEBBING	EΑ	4
66	24	PAOZZ	5340-01-089-9172	19207	10882134	STRAP,WEBBINGA09,A11,A12,A13,A14,C15,C16,C17,C18,C19,140,	26FEA	2
66	24	PAOZZ	5340-01-089-9173	19207	11684309	STRAP,WEBBING	EΑ	2
66	25	PAOZZ	5325-00-811-2699	71286	4002-19W	STUD ASSEMBLY, TURNLTURNLOCK FASTENER A09, A1	1EA	11
_		D.4.C.==	5005 00 000 0000	45005	1,000704:-	A12,A13,A14,C14,C15,C16,C17,C18,C19,C58,C59,140,26F		ا ر ا
66	26	PAOZZ	5325-00-826-3620	15207	10907044-5	EVELET,TURNLOCK FAS	EA	11
		DAC77	0000 00 007 5004	40007	40000770	A12,A13,A14,C14,C15,C16,C17,C18,C19,C58,C59,140,26F		,
66	27	PAOZZ	9320-00-897-5884	19207	10906776	RUBBER STRIP	FT	10
66	27	XDOZZ	9320-00-930-9798	81354	MIL-R-6130ATYP	RUBBER STRIP	FT	10
"		<b>7</b>				A12,A13,A14,C14,C15,C16,C17,C18,C19,C58,C59,140,26F		
66	28	XBOZZ		40670	9348040	COVER BOXA09,A11	EΑ	1
						A12,A13,A14,C14,C15,C16,C17,C18,C19,C58,C59,140,26F		
					E-172/(E-17	3 BLANK)		

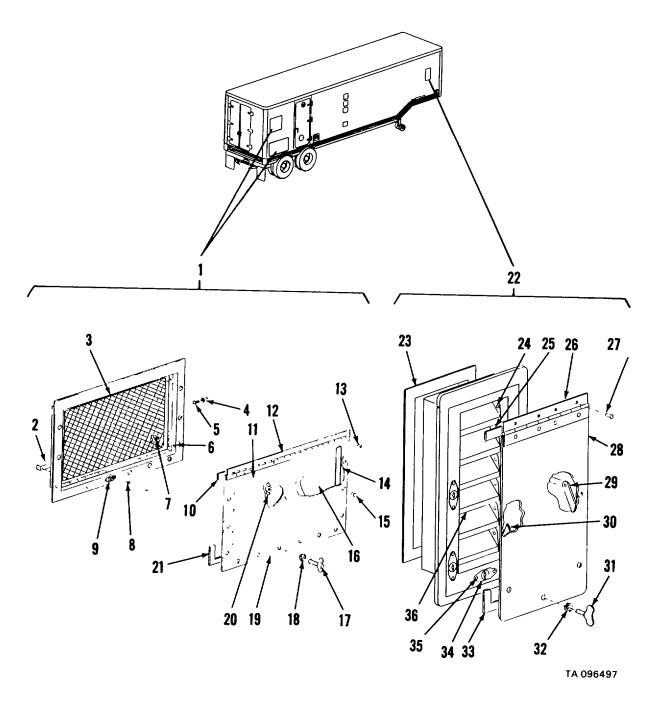


Figure 67. Heat exchanger opening assembly, XM680; fresh air opening assembly, XM680, XM680E1.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUS	TRATION	, ,	`,	` ′	` '	DESCRIPTION	` '	`
(a)	(b)		NATIONAL			BEGGIAN HON		QTY
1 ''	1 ''	CMD			DADT			
FIG	ITEM		STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
						GROUP 1812 SPECIAL PURPOSE BODIES		
67	1	XDOZZ		40670	3486985	OPENING ASSEMBLY LOWER A09	EA	2
67		XDOZZ		40670	3486956	OPENING ASSEMBLY LOWER	EA	2
67		PAOZZ	5330-01-103-5701	40670	34861827	RUBBER STRIP U/O NHA 3486956. 3486985	FT	17
67	3	PAOZZ	2540-01-098-1938	40670	3486981	SCREEN ASSEMBLY, UPP U/O NHA 3486985	EA	1 1
67	3	PAOZZ	2540-01-101-8356	40670	3486969	SCREEN ASSEMBLY, UPP U/O NHA 3486986	EA	
67		PAOZZ	5310-00-596-7693	96906	MS35335-31	.WASHER LOCK U/O NHA 3486986.3486985	EA	10
67		PAOZZ	5305-00-432-4171	96906	MS51861-36	.SCREW,TAPPING,THREA U/O NHA 3486986,3486985.A09	EA	10
67	6	PAOZZ	5310-00-952-3632	19207	8741247-30	.NUT.PLAIN.BLIND RIV U/O NHA 3486986.3486985 A09	EA	4
67	7	PAOZZ	5305-00-919-5070	19207	10882136	.THUMBSCREW U/O NHA 3486986,3486985 A09	EA	2
67	8	PAOZZ	5320-00-638-8619	88044	AN426A4-8	RIVET,SOLID U/O NHA 3486985	EA	26
67	9	PAOZZ	5325-01-031-8998	19207	7327426-2	RECEPTACLE, TURNLOCK U/O NHA 3486985	EA	13
67	10	PAOZZ	5330-01-105-2880	40670	3486934	RUBBER STRIP U/O NHA 3486986.3486985	FT	7
67		PAOZZ	5320-00-242-1578	96906	MS20470A6-8	RIVET.SOLID U/O NHA 3486985	EA	51
67	11	PAOZZ	5320-00-242-1376	96906	MS20470A8-9	RIVET,SOLID U/O NHA 3486986	EA	35
67	12	XDOZZ	3320-00-649-9330	40670	3486980	.HINGE,BUTT U/O NHA 3486985	EA	1
67	12	XDOZZ		40670	3486953	.HINGE,BUTT U/O NHA 3486986	EA	
67	13	PAOZZ	5320-00-242-1579	96906	MS20470A6-7	RIVET.SOLID U/O NHA 3486986	EA	18
67	14	XDOZZ	3320-00-242-1379	40670	3486978	HINGE,BUTT U/O NHA 3486985 A09	EA	2
67	14	XDOZZ		40670	3486955	HINGE,BUTT U/O NHA 3486986	EA	2
67	15	PAOZZ	5320-00-242-1578	96906	MS20470A6-8	RIVET.SOLID U/O NHA 3486985	EA	40
67	16	XBOZZ	3320-00-242-1376	40670	3486979	.SHIELD U/O NHA 3486985	EA	2
67	16	XBOZZ		40670	3486954	.SHIELD U/O NHA 3486986	EA	2
67	17	PAOZZ	5325-00-290-8026	19207	10907045-5	.STUD ASSEMBLY,TURNL U/O NHA 3486985 A09	EA	13
67		PAOZZ	5325-00-826-3620	19207	10907044-5	EVELET.TURNLOCK FASU/O NHA 3486985	EA	13
67	19	XBOZZ	0020 00 020 0020	40670	3486977	.COVER.ACCESS U/O NHA 3486985 A09	ĒΑ	1
67	19	XBOZZ		40670	3486952	.COVER.ACCESS U/O NHA 3486986	ĒΑ	lil
67	20	PAOZZ	5310-00-080-8495	96906	MS35425-39	.NUT,PLAIN,WING U/O NHA 3486986,3486985 A09	EA	
67	21	PAOZZ	5330-01-120-9316	40670	2949995	.RUBBER,STRIP U/O NHA 3486986,3486985	EΑ	15
67	22	XDOZZ	3333 01 120 0010	40670	3486946	FRAME ASSEMBLY	ĒΑ	2
67	23	PAOZZ	2540-01-098-1937	40670	3486989	SCREEN ASSEMBLY.FRE	EΑ	1 1
67	24	PAOZZ		07707	AD-42	RIVETA09.A14	EΑ	28
67		PAOZZ	5330-01-105-2880	40670	3486934	RUBBER STRIPA09,A14	FT	1
67	26	XDOZZ		40670	3486945	.HINGE,BUTT	ΕA	lil
67	27	PAOZZ	5320-00-242-1578	96906	MS20470A6-8	.RIVET,SOLIDA09,A14	ĒΑ	8
67	28	XBOZZ		40670	3486944	.COVER,ACCESSA09,A14	ĒΑ	1 1
67	29	PAOZZ	5340-01-048-6635	19207	10882483-2	.STAY,FOLDING RHA09,A14	EΑ	1 1
67	30	PAOZZ	5340-01-048-6634	19207	10882483-1	.STAY,FOLDING LHA09,A14	ĒΑ	i
67	31	PAOZZ	5325-00-290-8026	19207	10907045-5	.STUD ASSEMBLY, TURNL TURNLOCK FASTENERA09, A1	1 EA	5
67		PAOZZ	5325-00-826-3620	19207	10907044-5	.EYELET,TURNLET FAS FASTENER		5
1						,		
					E-1	75		
					_			

1	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
67 67 67 67	33 34 35 36	PAOZZ PAOZZ PAOZZ XBOZZ	5330-01-120-9316 5325-01-031-8998 5320-00-638-8619	40670 19207 88044 40670	2949995 7327426-2 AN426A4-8 3486986 <b>E-176/(E-17</b>	.RUBBER,STRIP	FT EA EA EA	7 5 10 6

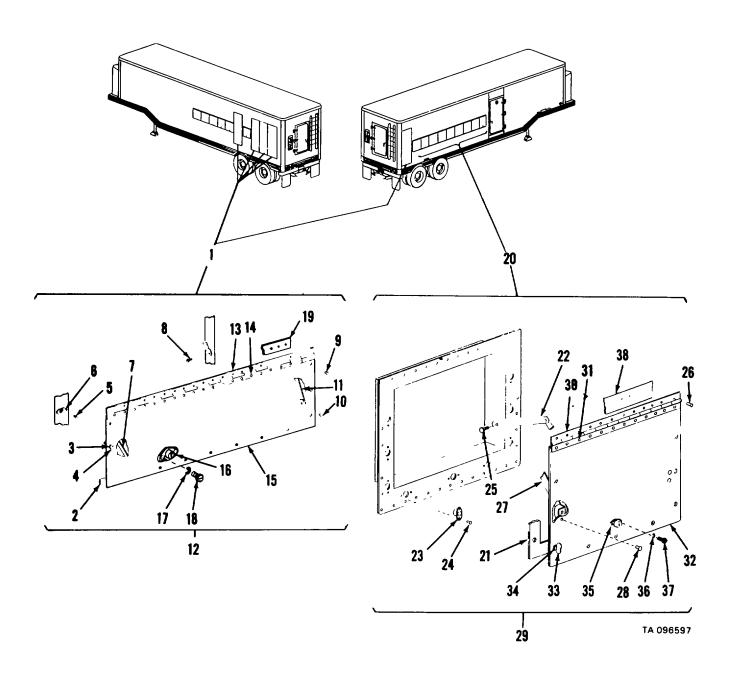


Figure 68. Access openings, XM654.

E-178

1	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
68	1	XDOZZ		40670	3234919-4	FRAME ASSLEMBLY LEFT SIDE A10	EA	3
68	1	XDOZZ		40670	3234919-5	FRAME ASSLEMBLY LEFT SIDE A10	EA	1
68	1	XDOZZ		40670	3234918	FRAME ASSLEMBLY RIGHT SIDE A10	EA	1
68	2	PAOZZ	9320-00-897-5884	19207	10906776	RUBBER STRIP U/O NHA 3234919-4,3234919-5,3234918.A10	FT	13
68	2	ZDOZZ	9320-00-930-9798	81349	MIL-R-6130ATYP	RUBBER STRIP A10	FT	13
68	3	PAOZZ	5325-00-826-3620	19207	10907044-5	EVELET,TURNLOCK FAS U/O NHA 3234919-4,3234919-5, 3234918.A10	EA	17
68	4	PAOZZ	5325-00-290-3816	19207	10907045-1	STUD ASSEMBLY U/O NHA 3234919-4,3234919-5, 3234918.A10	EA	17
68	5	PAOZZ	5320-00-721-5211	96906	MS20470A4-6	RIVET,SOLID U/O NHA 3234919-4,3234919-5,3234918.A10	EA	34
68	6	PAOZZ	5325-01-031-8998	19207	7327426-2	RECEPTACLE,TURNLOCK U/O NHA 3234919-4,3234919-5 3234918.A10	EA	17
68	7	PAOZZ	5340-00-060-0122	19207	7416878-2	STAY,FOLDING U/O NHA 3234919-4,3234919-5,3234918.A10	EA	1
68	8	PAOZZ		40670	31691032	SCREW,SHOULDERU/O NHA3234919-4,3234919-5,3234918A10	EA	2
68	9	PAOZZ	5320-00-242-1576	96906	MS20470A6-12	RIVET,SOLID U/O NHA 3234919-4,3234919-5,3234918.A10	EA	34
68	10	PAOZZ	5320-00-242-1580	96906	MS20470A6-6	RIVET,SOLID U/O NHA 3234919-4,3234919-5,3234918.A10	EA	2
68	11	PAOZZ	5340-00-060-0122	19207	7416878-2	STAY,FOLDING U/O NHA 3234919-4,3234919-5,3234918.A10	EA	1
68	12	XDOZZ		40670	3234927	COVER ASSEMBLY A10	EΑ	3
68	12	XDOZZ		40670	3234927-1	COVER ASSEMBLY A10	EΑ	1
68	12	XDOZZ		40670	3234928	COVER ASSEMBLY A10	EΑ	1
68	13	XDOZZ		40670	3234931	HINGE,BUTT U/O NHA 3234927,3234927-1,3234928 A10	EA	1
68	14	PAOZZ	5320-00-242-1580	96906	MS20470A6-6	RIVET,SOLID U/O NHA 3234919-4,3234919-5,3234918.A10	EA	37
68	15	XBOZZ		40670	3234929	COVER ACCESS U/O NHA 3234927 A10	EA	3
68	15	XBOZZ		40670	3234929-1	COVER ACCESS U/O NHA 3234927-1 A10	EA	1
68	15	XBOZZ		40670	3234930	COVER ACCESS U/O NHA 3234928 A10	EA	1
68	16	XDOZZ		94222	44-99-223-13	LOCK ACCESS COVER U/O NHA 3234919-4,3234919-5, 3234918	EA	1
68 2	17	PAOZZ	5310-00-045-3296	96906	MS35338-43	WASHER LOCK U/O NHA3234919-4,3234919-5,3234918.A10		EA
68	18	PAOZZ	5305-00-984-6210	96906	MS35206-263	SCREW MACHINEU/O NHA3234919-4,3234919-5,3234918.A10	EA	2
68	19	PAOZZ	5330-00-878-1726	81348	MILC20696TYPE 2CLASS3	CLOTH COATEDU/ONHA3234919-4,3234919-5,3234918.A10	EA	2
$\Box$					F_17			

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
68	30	XDOZZ		40670	3234926	HINGE, BUTT U/O NHA 3234924, 3234924-1 A10	EA	1
68	31	PAOZZ	5320-00-242-1580	96906	MS20470A6-6	.RIVET, SOLID A10	EA	11
68	32	XBOZZ		40670	3234925	COVER, ACCESS U/O NHA 3234924 A10	EA	1
68	32	XDOZZ		40670	3234925-1	COVER, ACCESS U/O NHA 3234924 1 A10	EA	1
68	33	XDOZZ		94222	44-99-223-13	.LOCK, ACCESS COVERA10	EA	1
68	34	PAOZZ	5325-00-290-3816	19207	1090745-1	.STUD ASSEMBLY, TURNLA10	EA	9
68	35	PAOZZ	5325-00-826-3620	19207	10907044-5	.EYELET, TURNLOCK FAS A10	EA	9
68	36	PAOZZ	5310-00-045-3296	96906	MS35338-43	.WASHER, LOCK A10	EA	2
68	37	PAOZZ	5305-00-984-6210	96906	MS35206-263	.SCREW, MACHINEA10	EA	2
68	38	XDOZZ		81348	MILC20696TYP-	.CLOTH, COATEDA10	FT	2
					E-180/(E-18	1 BLANK)		

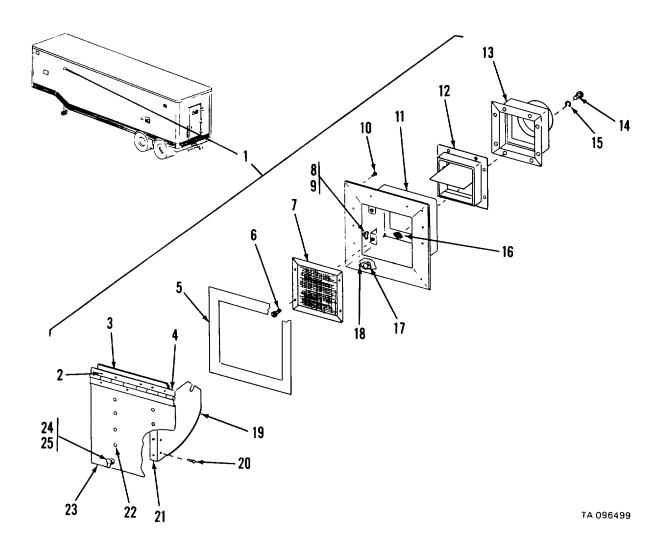


Figure 69. Discharge assembly, blower exhaust, XM822.

1	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
69	1	XDOZZ		19207	11683046	DISCHARGE ASSEMBLY C13	EA	1
69	2	PAOZZ	5320-01-030-9997	96906	MS2047OA6-10	.RIVET, SOLID	EA	6
69	3	XBOZZ		19207	11683047-5	.SPACER	EA	1
69	4	XDOZZ		40670	11683047-2	.HINGE, BUTT CI3	EA	1
69	5	XDOZZ		19207	11683268	.SEAL	EA	1
69	6	PAOZZ	5305-00-855-0964	96906	MS24629-48	.SCREW, TAPPING.THREA THREAD FORMING CI3	EA	4
69	7	XDOZZ		19207	11683054	.SCREEN ASSEMBLY C13	EA	1
69	8	PAOZZ	5310-00-720-8549	96906	MS35426-13	.NUT, PLAIN, WING C13	EA	2
69	9	PAOZZ	5310-01-112-4372	96906	MS21331-2	.NUT, PLAIN, CLINCH	EA	2
69	10	PAOZZ	5320-00-264-3351	88044	AN426A3-7	.RIVET, SOLID C13	EA	16
69	11	XBOZZ		19207	11683048	.DISCHARGE HOUSING	EA	1
69	12	XDOZZ		19207	11683049	.DAMPER ASSEMBLY C13	EA	1
69	13	XDOZZ		19207	11603050	.DUCT DAMPER	EA	1
69	14	PAOZZ	5305-00-052-6917	96906	MS24629-50	.SCREW, TAPPING, THREA THREAD FORMING C13	EA	8
69	15	PAOZZ	5310-00-045-3296	96906	MS35338-43	.WASHER, LOCK	EA	8
69	16	PAOZZ	5310-00-062-5300	72962	22NA21J82	.NUT, SELF-LOCKING, PL	EA	8
69	17	PAOZZ	5325-01-117-7453	19207	7327426-1	.RECEPTACLE	EA	2
69	18	PAOZZ	5320-00-582-3494	96906	MS20600AD4-4	.RTVET, BLIND C13	EA	4
69	19	PAOZZ		19207	11683047-7	.RAINSHIELD	EA	2
69	20	PAOZZ	532-01-112-8727	96906	MS20470A4-2	.RIVET, SOLID	EA	8
69	21	XDOZZ		40670	1163047-3	.HINGE, BUTT C13	EA	2
69	22	PAOZZ	5320-00-584-9078	96906	MS20470A4-4	.RIVET, SOLID C13	EA	8
69	23	XBOZZ		19207	11683047-1	.COVER, ACCESS	EA	1
69	24	PAOZZ	5325-00-624-9931	71286	4002-15W	.STUD ASSEMBLY, TURNL TURNLOCK FASTENER C13	EA	2
69	25	PAOZZ	5325-00-584-1271	19207	10907044-3	.EYELET, TURNLOCK FASTENER C13	EA	2
					E-18	33		

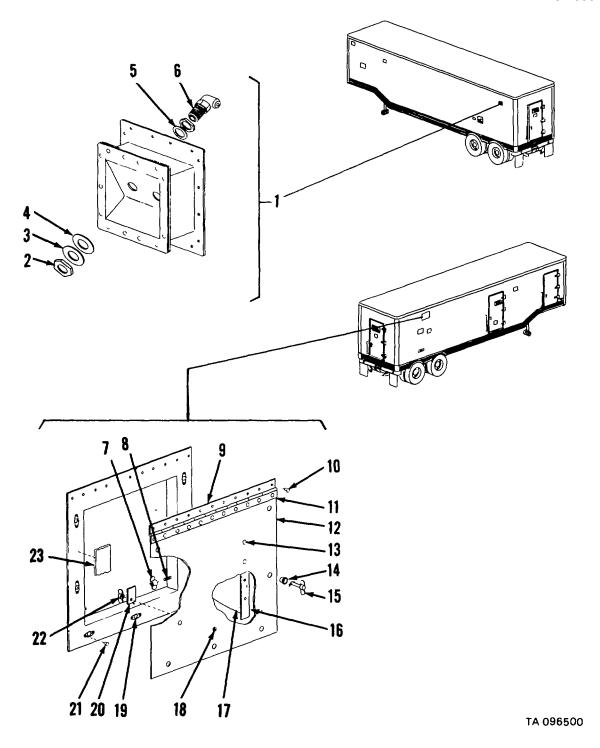


Figure 70. Propane vent outlet, knock engine condenser frame, XM822.

	(1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
70	1	XDOZZ		19207	11682880	OUTLET ASSEMBLY C13	EA	2
70	2	PAOZZ	4730-00-244-9848	40670	11682888	.NIPPLE, TANK C13	EA	1
70	3	PAOZZ	5310-00-809-8541	96906	MS27183-27	.WASHER, FLAT C13	EA	1
70	4	XDOZZ		19207	11682887	GASKET C13	EA	2
70	5	PAOZZ	5330-01-125-6276	40670	11682889	.WASHER, FLAT C13	EA	1
70	6	XDOZZ		93061	152FS6-8	ELBOW C13	EA	1
70	7	PAOZZ	5310-00-515-9267	96906	MS35425-37	NUT, PLAIN, WING C13	EA	2
70	8	PAOZZ	5307-00-358-0297	96906	MS51989-104-10	STUD, LOCKED IN	EA	2
70	9	XDOZZ		40670	11682835	NUT, SELF-LOCKING, PL	EA	1
70	10	PAOZZ	5320-00-721-5211	96906	MS20470A4-6	RIVET, SOLID C13	EA	11
70	11	PAOZZ	5320-00-584-9078	96906	MS20470A4-4	RIVET, SOLID C13	EA	11
70	12	XBOZZ		19207	11682834	COVER,ACCESS C13	EA	1
70	13	PAOZZ	5320-00-616-4869	96906	MS20470A4-3	RIVET, SOLID C13	EA	12
70	14	PAOZZ	5325-00-624-9931	19207	10907044-3	EYELET, TURNLOCK FASTENER C13	EA	7
70	15	PAOZZ	5325-00-624-9931	71286	4002-15	STUD ASSEMBLY TURNL TURNLGCK FASTENER C13	EA	7
70	16	XDOZZ		40670	11682838	HINGE, BUTT	EA	2
70	17	XBOZZ		19207	11682836	RAINSHIELD C13	EA	2
70	18	PAOZZ	5305-00-225-3842	96906	MS90728-9	SCREW, CAP,HEXACON H C13	EA	1
70	19	PAOZZ	5325-01-031-8998	19207	7327426-2	RECEPTACLE, TURNLOCK	EA	7
70	20	XDOZZ	5340-01-111-5388	40670	11682837	PLATE, RETAINER VENT	EA	1
70	21	PAOZZ	5320-00-582-3494	96906	MS20600AD4-4	RIVET, BLIND	EA	14
70	22	PAOZZ	5310-00-080-8495	96906	MS35425-39	NUT, PLAIN, WING C13	EA	1
70	23	PAOZZ	9320-00-897-5884	19207	10906776	RUBBER STRIP C13	FT	11
					E-18	35		

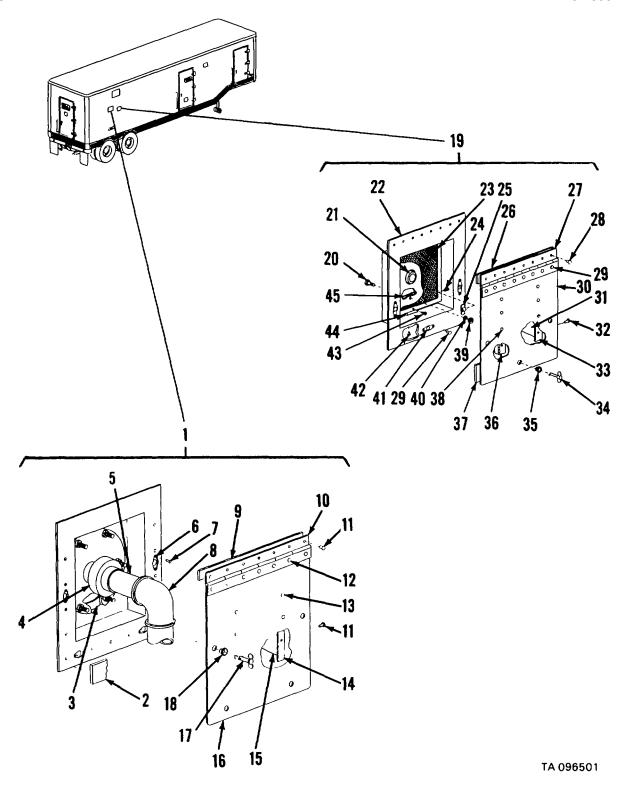


Figure 71. Exhaust outlet assembly, knock engine breather assembly, XM822.

(	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	RATION					DESCRIPTION		
(a)	(b)		NATIONAL					QTY
FIG	ITEM		STOCK		PART			INC
NO.	NO.	CODE	NUMBER	FSCM	NUMBER	USABLE ON CODE	U/M	IN
								UNIT
71	1	XDOZZ		19207	11683055	EXHAUST OUTLET ASSEMBLY	ΕA	1
71	2	PAOZZ	9320-00-897-5884	19207	10906776	.RUBBER STRIP C13	FT	4
71	_	PAOZZ	5330-01-125-0939	40670	11683060	.GASKET	EΑ	1
71		PAOZZ	4730-00-204-3392	81348	22-U-531	.UNION, PIPE	EA	1
71	5	PAOZZ	4730-00-143-4324	96906	MS51953-151	NIPPLE, PIPE	EA	1
71	6 7	PAOZZ PAOZZ	5325-01-117-7453 5320-00-582-3494	19207 96906	7327426-1 MS20600AD4-4	RECEPTACLE	EA EA	4 8
71	8	PAOZZ	4730-00-221-5012	96906	MS51845-7	ELBOW, PIPE	EA	1
71	9	XBOZZ	1700 00 221 0012	19207	11683057-7	SPACER	EA	
71	10	XDOZZ		40670	11683057-2	.HINGE, BUTT	EΑ	1
71	11	PAOZZ	5320-00-584-9078	96906	IS20470A4-4	.RIVET,SOLID	EA	13
71	12	XOOZZ		96906	MS20470A6-1	RIVET,SOLID	EA	7
71		PAOZZ	5320-00-721-5210	96906	MS20470A4-5	RIVET,SOLID	EA	6
71	14 15	XDOZZ XBOZZ		40670 19207	11683057-3 11683058	.HINGE BUTT	EA EA	2 2
71	16	XBOZZ		19207	11683057-1	COVER.ACCESS	EA	1 1
71	17	PAOZZ	5325-00-624-9931	71286	4002-15W	STUD ASSEMBLY.TUIINL TURNLOCK FASTENER C13	EA	
71		PAOZZ	5325-00-584-1271	19207	10907044-3	EYELET, TURNLOCK FASTENER	EA	4
71	19	XDOZZ		19207	11682840	BREATHER ASSEMBLY	EΑ	1
71	20	PAOZZ	5305-00-071-2241	96906	MS90725-10	.SCREW.CAP.HEXAGON H	EΑ	2
71	22	XDOZZ		19207	11682851	.FRAME C13	EA	1 1
71	23	XDOZZ	2540-01-111-5386	40670	11682843	SCREE ASSEML	EA	1
71 71		PAOZZ PAOZZ	5307-00-358-0297 5310-00-515-9267	96906 96906	MS51989-104-10 MS35425-37	STUD, LOCKED IN	EA EA	2 2
71	26	XBOZZ	3310-00-313-9207	19207	11682844	SPACER	EA	1
71	27	XDOZZ		40670	11682846	.HINGE, BUTT	EA	
71	28	PAOZZ	5320-01-113-9S95	96906	MS24662-25	.RIVET, BLIND	EA	8
71	29	PAOZZ	5320-00-582-3494	96906	MS20600AD4-4	.RIVET, BLIND	EΑ	12
71	30	XBOZZ		19207	11682847	.COVER, ACCESS C13	EA	1
71	31	XDOZZ	5000 00 704 5040	19207	11682848	RAINSHIELD	EA	2
71	32 33	PAOZZ XDOZZ	5320-00-721-5210 40670	96906 116828	MS20470A4-5	.RIVET, SOLID	EA EA	8 1
71	34	PAOZZ	5325-00-624-9931	71286	4002-15W	STUD ASSEMBLY, TURNL TURNLOCK FASTENER C13	EA	3
71	35	PAOZZ	5325-00-584-1271	19207	109007044-3	EYELET, TURNILOCK FASTENER	EA	3
71	36	XDOZZ		40670	11682849-1	.HINGE, BUTT	EA	1
71	37	PAOZZ	5330-01-126-9674	40670	11682850	.GASKET	EA	1
71		PAOZZ	5320-00-721-5211	96906	MS20470A4-6	RIVET, SOLID	EA	8
71	39	PAOZZ	5310-00-761-6882	96906	MS51967-2	.NUT, PLAIN, HEXAGONA09, C13, C15, C16, C17,	EA	2
71	40	DAOZZ	5310 00 593 5065	06006	MS35330 44	C18, C19, C61, C62	E^	,
71   71		PAOZZ PAOZZ	5310-00-582-5965 5325-01-031-8998	96906 19207	MS35338-44 7327426-2	.WASHER, LOCK	EA EA	2 2
''	41	I AOLL	3323-01-031-0390	13201	7327420-2	I REGEL TAGEE, TORNEGOR		-
					E-18	87		
					E-16	D <i>r</i>		

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
71	42	PAOZZ	5320-00-824-4760	81349	M24243-1B408	.RIVET, BLIND	EA	4
71	43	PAOZZ	5305-00-432-4201	96906	MS51861-45	.SCREW,.TAPPING, THEA THREAD FORMING C13	EA	2
71	44	PAOZZ	5340-00-126-1677	40670	11682842	.BRACKET,ANGLE	EA	2
71	45	PAOZZ	5330-01-125-0940	40670	11682852	.GASKET	EA	1
					E-188/(E-18	BLANK)		

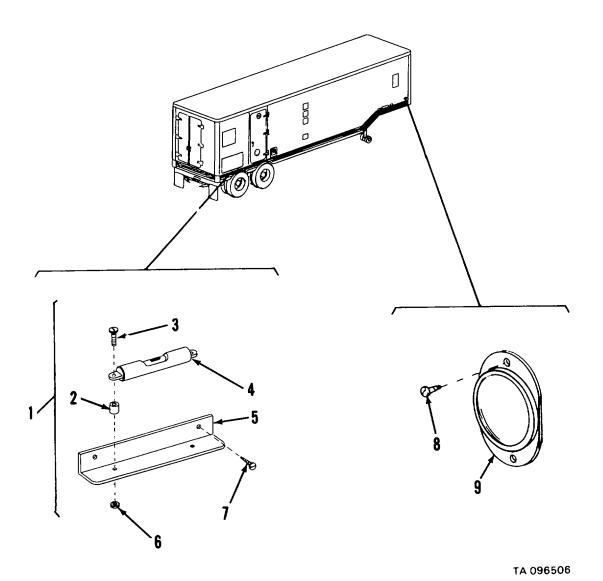


Figure 72. Level assembly and reflector.

E-190

					1	1		
	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a)	(b)		NATIONAL			DESCRIPTION		QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN Unit
						GROUP 22 BODY, CHASSIS AND ACCESSORIES GROUP 2202 ACCESSORY ITEMS		
72	1	PAOZZ	5210-00-001-1255	19207	11638167	LEVEL ASSEMBLY BODY .C13, C14, C15, C16, C17, C19, C58, C59, C61, C62	EA	8
72 72		XDOZZ XDOZZ	5365-01-051-8631	40670 19207	31681070 11638170	LEVEL ASSEMBLY A11, 140, 26F .SPACER, SLEEVE C13, C14, C15, C16, C17, C18 C19, C58, C59, C61, C62	EA EA	8 2
72 72		PAOZZ PAOZZ	5365-00-112-1679 5305-00-150-3583	40670 96906	31681072 MS27039-812	.SPACER SLEEVE	EA EA	2 16
72 72		PAOZZ PAOZZ	5320-00-242-1587 5210-01-053-3357	96906 19207	MS20470A5-12 11638168	RIVET, SOLID	EA EA	2
72 72		PAOZZ PAOZZ	5210-00-9296-8364 5340-01-099-1670	57163 19207	1986G 11638169	.VIAL ASSEMBLY, MECHA	EA EA	1
72 72		PAOZZ PAOZZ	5340-01-131-2303 5310-00-941-6019	40670 96906	31681071 MS21083N08	BRACKET, ANGLE	EA EA	1 2
72	7	PAOZZ	5305-00-855-0954	96906	MS24629-46	SCREW, TAPPING, THREA THREAD FORMING C58	EA	16
72 72		PAOZZ PAOZZ	5320-00-982-3815 5320-01-028-4855	96906 96906	MS24662-153 MS24662-204	RIVET, BLIND	EA EA	16 16
72	8	PAOZZ	5305-00-432-4252	96906	MS51861-66	SCREW, TAPPING REFLECTOR ATTACH . A12, A13 C13, C14, C15, C16, C17, C18, C19, C61, C62	EA	16
72	8	PAOZZ	5305-00-432-4201	96906	MS51861-45	SCREW, TAPPING, THREA THREAD FORMING A11	EA	16
72	8	PAOZZ	5305-00-855-0957	96906	MS24629-46	SCREW, TAPPING, THREA THREAD FORMING C58,	EA	16
72	8	PAOZZ	5305-00-432-4203	96906	MS51861-47	SCREW, TAPPING, THREA THREAD FORMING A09	EA	12
72	9	PAOZZ	9905-00-205-2795	96906	MS35387-1	REFLECTOR RED A09, A11, A12, A13, A14, C13, C14, C15, C16, C17, C18, C19, C58, C59, C61, C62, 140, 26F	EA	4
72 72		PAOZZ PAOZZ	9905-00-205-2795 9905-00-202-3639	96906 96906	MS35387-1 MS35387-2	REFLECTOR, INDICATIN	EA EA	2 4
72	9	PAOZZ	9905-00-202-3639	96906	MS35387-2	C15, C16, C17, C18, C19, C58, C59, C61, C62, 140, 26F REFLECTOR, INDICATINA09, A14	EA	2
					E-19	91		

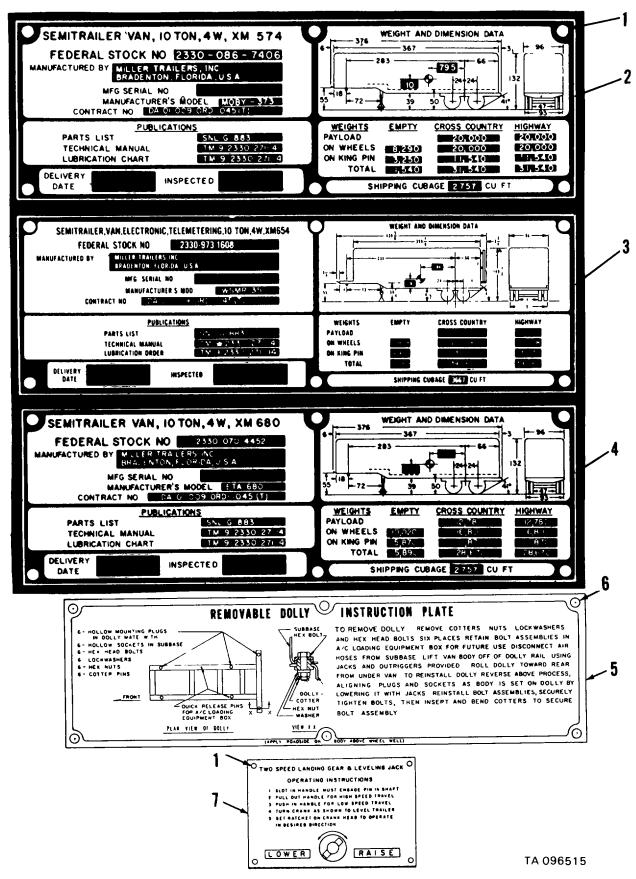


Figure 73. Name and data plate.

	(1) RATION (b) ITEM NO.	(2) SMR CODE	(3)  NATIONAL  STOCK  NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	
73 73 73 73 73 73 73 73	1 1 2 3 4 5	PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5305-00-432-4164 5305-00-432-4164 9305-01-094-9011 9905-01-098-2012 9905-01-098-2016 5305-00-432-4201 9905-00-905-4470	96906 96906 19207 40670 40670 19207 96906 19207	MS51861-25 MS51861-25 MS51861-25 10920175 3234900 3486910 11681452 MS51861-45 10923325 E-19	GROUP 2210 DATA PLATES  SCREW, TAPPING, THREA	EAA EAA EAA	10 6 4 1 1 1 6 2

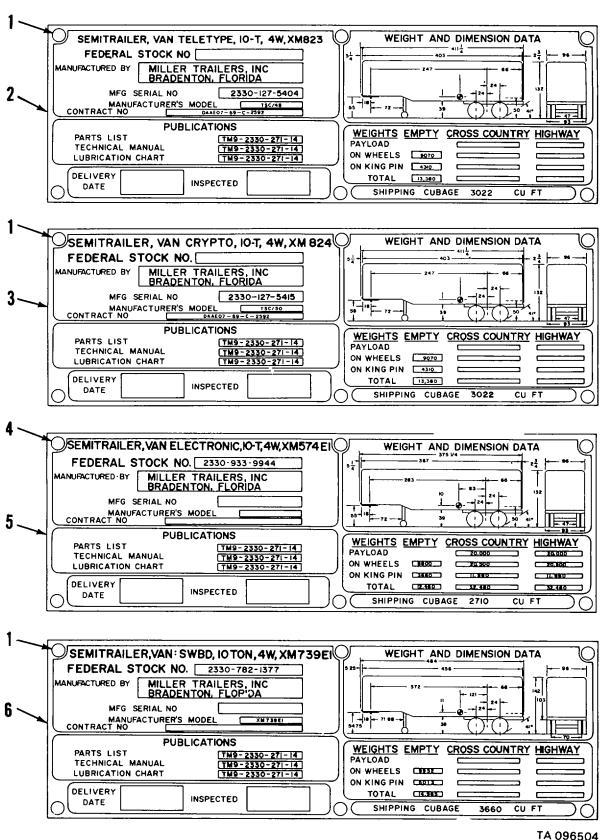
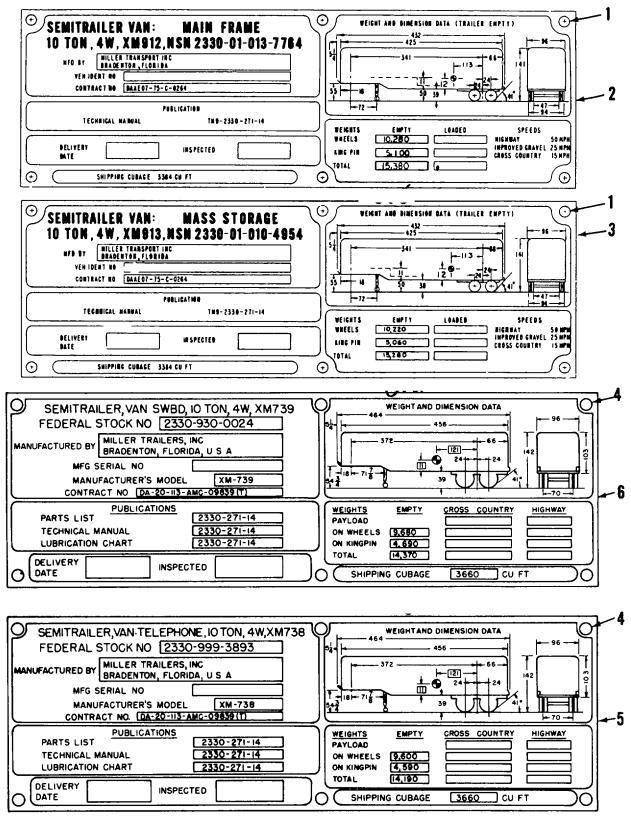


Figure 74. Name and data plate.

	(1) RATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4)	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
74 74 74 74 74 74	2 3 4 5	PAOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5305-00-432-4164 9905-01-0949012 5304-00-432-4201 9905-00-014-7068 9905-01-100-6247	96906 40670 40670 96906 19207 40670	MS51861-25 9048906 9050906 MS51861-45 11592447 9965900	SCREW, TAPPING	EA EA EA EA EA	6 1 1 6 1
					E-19	5		



TA 096505

Figure 75. Name and data plate.

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
75	1	PAOZZ	5305-00-432-4201	96906	MS51861-45	SCREW, TAPPING, THREAC61,C62	EA	6
75	2	PAOZZ	9905-01-032-7307	19207	11684468	PLATE IDENTIFICATIOC61	EA	1
75	3	PAOZZ	9905-01-032-7308	19207	11684469	PLATE IDENTIFICATIOC62	EA	1
75	4	PAOZZ	5305-00-432-4164	96906	MS51861-25	SCREW, TAPPING, THREAA11,140	EA	6
75	5	PAOZZ	9905-00-927-9391	40670	9772910	PLATE, IDENTIFICATIO IDENTIFICATION A11	EA	1
75	6	PAOZZ	9905-00-927-9392	40670	9772915	PLATE IDENTIFICATIO IDENTIFICATION140	EA	1
					E-19	7		

TM 9-2330-271-14&P SECTION II

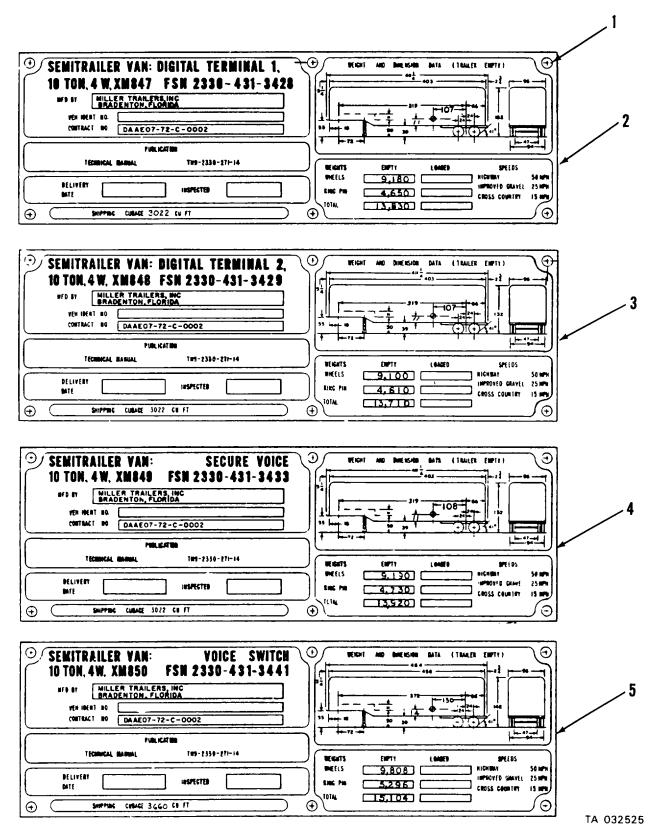
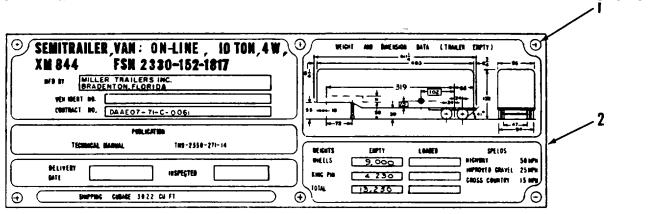
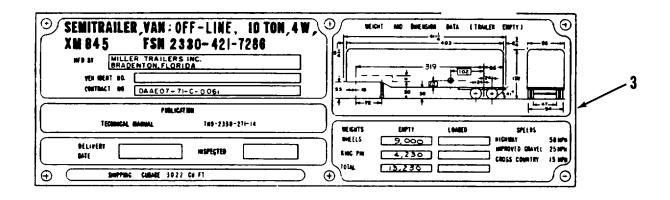


Figure 76. Name and data plate.

	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
76 76 76 76 76	2 3 4	PAOZZ PAOZZ PAOZZ XDOZZ PAOZZ	5305-00-432-4201 9905-01-098-2009 9905-01-098-2010 9905-01-098-2013	96906 19207 19207 19207 19207	MS51861-45 11681644 11681645 11681646 11681647	SCREW, TAPPING, THREA	EA EA EA EA	6 1 1 1
					E-19	9		



SECTION II



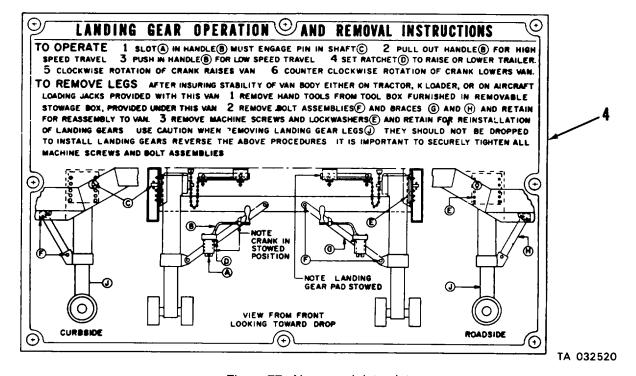


Figure 77. Name and data plate.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
77	1	PAOZZ	5305-00-432-4201	96906	MS51861-45	SCREW, TAPPING, THREAC14,C15	EA	12
77	2	PAOZZ	9905-01-098-2014	19207	11681241	PLATE, IDENTIFICATI IDENTIFICATION	EA	1
77	3	PAOZZ	9905-01-098-2015	19207	11681242	PLATE, IDENTIFICATI IDENTIFICATION	EA	1
77	4	PAOZZ	9905-01-054-0272	19207	11646331	PLATE, INSTRUCTION	EA	1
					E-20			

**SECTION II** TM 9-2330-271-14&P 1 0 SEMITLR VAN PETRO LAB IOT 4-WHL XM822 WEIGHT AND DIMENSION DATA 375 FEDERAL STOCK NO. 2330-122-4966 367 - 96 MANUFACTURED BY -66 MFG SERIAL NO MANUFACTURER S MODEL CONTRACT NO. **PUBLICATIONS WEIGHTS EMPTY HIGHWAY** PARTS LIST PAYLOAD 10.500 10,500 TECHNICAL MANUAL ON WHEELS 10,608 16,870 16,870 LUBRICATION CHART ON KING PIN 5.192 15.800 9.430 26300 9,430 TOTAL DELIVERY **INSPECTED** DATE  $\circ$ SHIPPING CUBAGE 2967 CU FT  $\oplus$ SEMITRAILER VAN  $\oplus$ WEIGHT AND DIMENSION DATA (TRAILER EMPTY) IO TON 4 W FSN 2330-884-1749 XM 680E1 MFD BY SEE NOTE A YEH IDENT NO CONTRACT NO PUBLICATION TECHNICAL MANUAL TH9-2330-271-14

WEIGHTS

WKEELS

KING PIN

TOTAL

**①** 

9200

5520

14720

LOADED

0

SPEEDS

IMPROVED GRAVEL 25 MPH

CROSS COUNTRY 15 MPH

50 MPH

 $\Theta$ 

HICHWAY

THIS SEMITRAILER HAS WATER FORDING CAPABILITY TO A MAXIMUM HEIGHT OF 46 INCHES

INSPECTED

CUBAGE 2757 CU ET

DELIVERY

0

SHIPPING

DATE

 $\oplus$ 

TA 096508

Figure 78. Name and data plate.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
78	1	XDOZZ		19207	11683220	PLATE IDENTIFICATIOC13	EA	1
78	2	PAOZZ	5305-00-432-4164	96906	MS51861-25	SCREW TAPPING THREA THREAD FORMING C13	EA	8
78	2	PAOZZ	5305-00-432-4164	96906	MS51861-25	SCREW TAPPING THREA A14	EA	6
78	3	XDOZZ		19207	11646236	PLATE IDENTIFICATION A14	EA	1
78	4	POAZZ	9905-00-001-6351	19207	11638000	PLATE INSTRUCTIONS FORDINGC13	EA	1
					E-20	3		

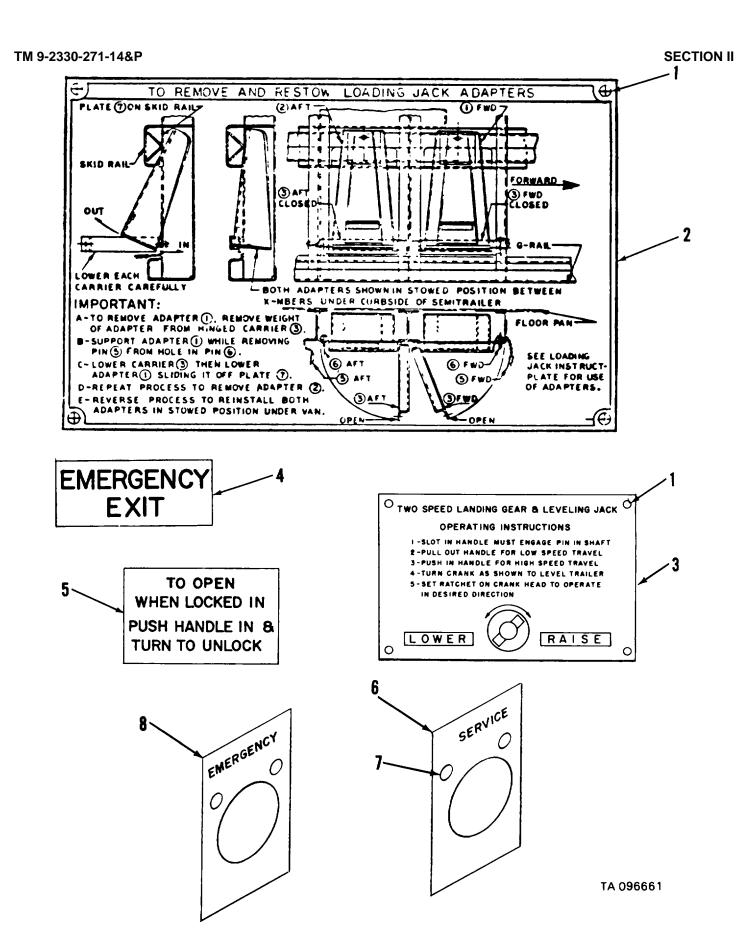


Figure 79. Instruction plate.

  LJ 11	(1) STRATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a FI NO	) (b) G ITEM	1	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
7 7 7 7 7 7 7	9 1 9 2 9 3 9 3 9 4 9 4	PAOZZ PAOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5305-00-432-4201 5305-00-432-4201 9905-00-897-6055 9905-00-897-6055 9905-01-043-8002 9905-01-043-8002 9905-01-043-8003	96906 96906 19207 19207 19207 19207 19207	MS51861-45 MS51861-45 11681464 10882193 10882193 11638183 11638183 11638183	SCREW, TAPPING, THREAC16,C17,C18,C19,C61,C62 SCREW, TAPPING THREA	EA EA EA EA EA EA	8 4 1 2 1 2 3 2
7 7 7 7	9 6 9 7	PAOZZ PAOZZ PAOZZ PAOZZ	9905-01-043-8003 9905-00-999-7369 5320-00-982-3815 9905-00-999-7370	19207 96906 96906 96906	11638182 MS53007-2 MS24662-153 MS53007-1	PLATE, INSTRUCTION	EA EA EA	3 1 4 1
					E-20	5		

TM 9-2330-271-14&P SECTION II

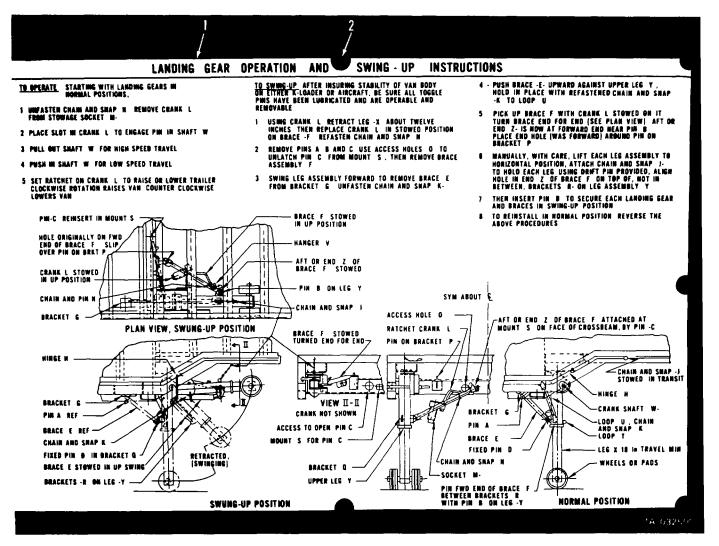


Figure 80. Instruction plate.

(ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
80 80	1 2	XDOZZ PAOZZ	5305-00-432-4201	19207 96906	11681453 MS51861-45	PLATE, INSTRUCTIONC16,C17,C18,C19,C61,C62 SCREW, TAPPING, THREAC16,C17,C18,C19,C61,C62	EA EA	2 16
					E-20	7		

TM 9-2330-271-14&P SECTION II

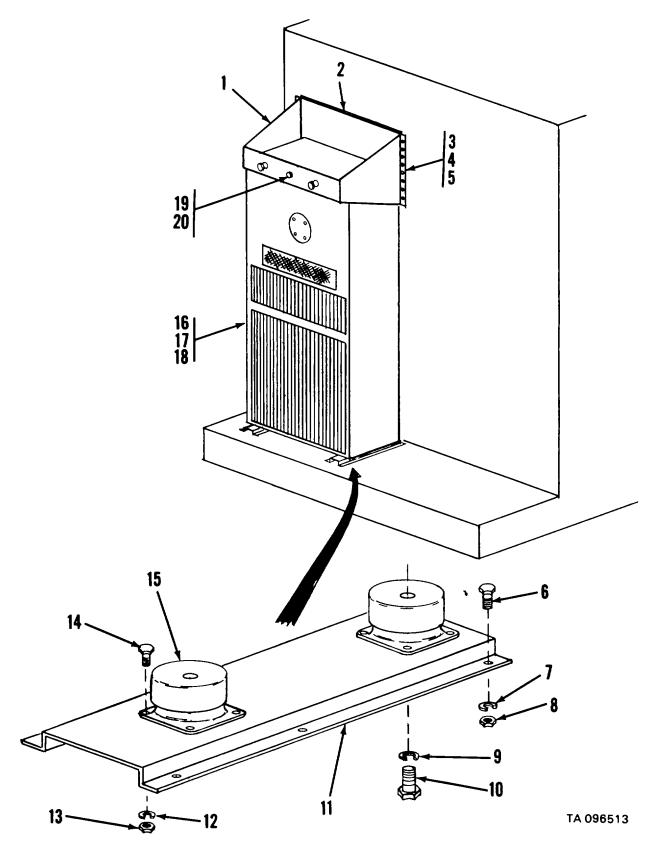


Figure 81. Air conditioner, XM654. **E-208** 

(ILLUST	1)	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG	(b)	SMR	NATIONAL STOCK		DADT	DESCRIPTION		QTY
NO.	ITEM NO.	CODE	NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	INC IN UNIT
						GROUP 52 AIR CONDITIONING COMPONENTS GROUP 5200 GAS COMPRESSOR ASSEMBLY		
81	1	XBOZZ		40670	3234960	HOOD ASSEMBLY A10	EA	2
81	2	PAOZZ	9320-00-897-5884	19207	10906776	RUBBER STRIP A10	EA	6
81	3	PAOZZ	5305-00-071-2241	96906	MS90725-10	SCREW, CAP, HEXAGON HA10	EA	32
81	4	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER LOCK A10	EA	32
81	5	PAOZZ	5320-01-037-6819	19207	10882479-1	NUT, BLIND RIVET A10	EA	32
81	6	PAOZZ	5305-00-042-6417	96906	MS90725-113	SCREW, CAP, HEXAGON HA10	EA	24
81	7	PAOZZ	5310-00-584-5272	96906	MS35338-48	WASHER LOCK A10	EA	24
81	8	PAOZZ	5310-00-768-0318	96906	MS51967-14	NUT PLAIN HEXAGON A10	EA	24
81	9	PAOZZ	5310-00-584-5272	96906	MS35338-48	WASHER LOCK A10	EA	8
81	10	PAOZZ	5305-00-964-0589	96906	MS51095-416	SCREW, CAP, HEXAGON HA10	EA	8
81	11	XBOZZ		40670	3670923	CHANNEL ASSEMBLY A10	EA	4
81	12	PAOZZ	5310-00-582-5965	96906	MS35338-44	WASHER LOCK A10	EA	8
81	13	PAOZZ	5310-00-761-6882	96906	MS51967-2	NUT PLAIN HEXAGON A09,A10,C15,C16,C17,C18	EA	8
81	14	PAOZZ	5305-00-068-0502	96906	MS90725-6	SCREW, CAP, HEXAGON H	EA	8
81	15	PAOZZ	5340-00-664-7442	81860	C2090-6	MOUNT RESILIENT	EA	2
81	16	XDOZZ		60532	MAC6V60	AIR CONDITION	EA	2
81	17	PAOZZ	5330-00-918-4183	40670	3234416	RUBBER STRIP A10	EA	1
81	18	PAOZZ	5340-01-105-7137	40670	3234427	FRAME, AIR INLET-OUT A10	EA	2
81	19	PAOZZ	5306-00-226-4831	96906	MS90728-38	BOLT, MACHINEA10	EA	2
81	20	PAOZZ	5310-00-407-9566	96906	MS35338-45	WASHER LOCK A10	EA	2
					E-20	פונ 		

**SECTION II** TM 9-2330-271-14&P 12 14 13 10 ′

Figure 82. Air conditioner, XM680, XM680E1.

TA 096512

	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
82 82 82 82 82 82 82 82 82 82	2 3 4 5 6 6 7 8	PAOZZ PAOZZ XDOZZ XBOZZ XDOZZ XDOZZ XDOZZ PAOZZ PAOZZ PAOZZ	5305-00-069-5576 5310-00-209-0965 5310-00-582-5965 5310-00-761-6882	96906 96906 40670 81349 40670 40670 96906 96906 96906	MS90725-92 MS35338-47 3486895 3486898 MILA52767 3486897-1 3486897-2 MS90725-12 MS35338-44 MS1967-2	SCREW, CAP, HEXAGON H	EA EA EA EA EA EA EA EA	16 16 4 4 4 4 4 64 64 64
82 82 82 82 82 82	11 11 12 13	PAOZZ PAOZZ PAOZZ XDOZZ PAOZZ PAOZZ	5310-00-514-1330 5340-01-098-6797 5340-01-098-6798 5305-00-855-0964 5310-00-045-3296	81860 40670 40670 40670 96906 96906	C2060-6 9444905-1 9444905-3 3486935 MS24629-48 MS35338-43		EA EA EA EA EA	16 8 8 2 20 20
					E-21	1		

TM 9-2330-271-14&P SECTION II

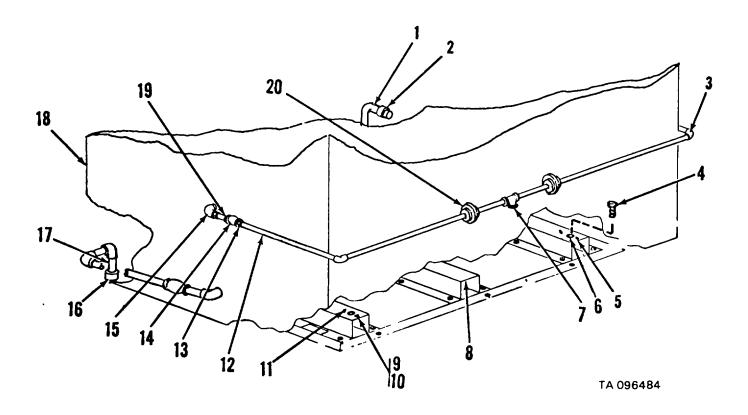


Figure 83. Air conditioner, XM822.

(ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
83	1	PAOZZ	4720-00-432-1341	19207	11683235	HOSE NONMETALLIC RUBBER 1 INCH I D x 36 INCHES LONG AIR CONDITIONING	EA	3
83	2	PAOZZ	4730-00-908-3194	96906	MS35842-11	CLAMP HOSEC13	EA	1
83	3	PAOZZ	4730-00-254-6450	96906	MS35917-5	ELBOW TUBEC13	EA	2
83	4	PAOZZ	5305-00-226-7768	96906	MS80726-115	SCREW, CAP, HEXAGON HC13	EA	4
83	5	XBOZZ		19207	11682999-1	SUPPORT MOUNTING RHC13	EA	1
83	6	PAOZZ	5310-01-102-9862	19207	10907011	NUT, ASSEMBLY RETAINC13	EA	4
83	7	XDOZZ		30327	1013	TEE, PIPEC13	EA	1
83	8	XBOZZ		19207	11683001	SUPPORT CENTERC13	EA	1
83	9	XBOZZ		19207	11682999-2	SUPPORT MOUNTING LHC13	EA	1
83	10	PAOZZ	5320-00-637-6072	29666	BL-10-8	RIVET BLINDC13	EA	36
83	11	PAOZZ	5320-00-234-2597	96906	MS20427-8C12	RIVET SOLIDC13	EA	8
83	12	PAOZZ	4710-00-277-5529	19207	86689210	TUBE METALLICC13	EA	10
83	13	PAOZZ	4730-00-266-1835	17773	11242067-7	ADAPTER STRAIGHT PIC13	EA	8
83	14	PAOZZ	4820-00-432-1336	19207	11637879	VALVE ASSEMBLYC13	EA	2
83	15	PAOZZ	4730-01-029-2738	41947	A-11442	ELBOW PIPE TO TUBEC13	EA	2
83	16	PAOZZ	4730-00-278-2681	88044	AN910-4D	COUPLING PIPEC13	EA	1
83	17	PAOZZ	4730-00-222-1839	96906	MS51846-58	NIPPLE PIPEC13	EA	1
83	18	XDOZZ		81349	MILA52250	AIR CONDITIONERC13	EA	1
83	19	PAOZZ	4730-00-821-8981	19207	11668049	ADAPTER STRAIGHT PIC13	EA	2
83	20	PAOZZ		17773	11241706-2	UNION PIPEC13	EA	2
					E-21	3		

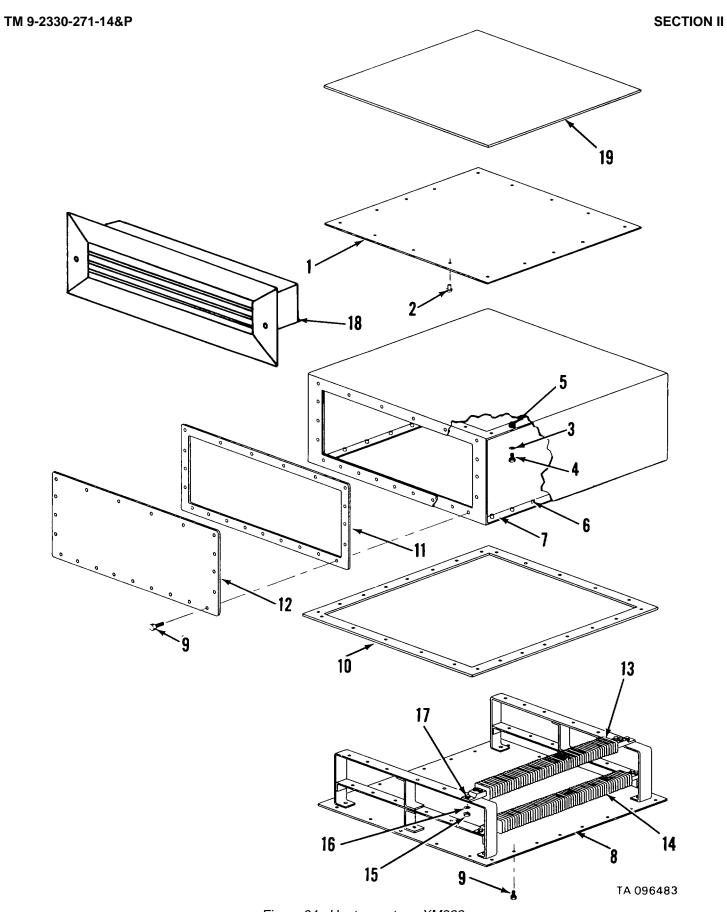


Figure 84. Heater system, XM822.

1	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
84 84 84 84 84 84 84 84 84 84 84 84 84 8	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 18 18	XBOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ XBOZZ XDOZ XDO	5320-00-175-7604 5310-00-582-5965 5305-00-068-0502 5310-00-952-3632 5320-01-037-6819 5305-00-068-0501 5330-00-001-7858 5330-00-001-7857 5310-00-959-7600 5310-00-582-5965 5305-00-267-8973	19207 96906 96906 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207 19207	11683026 MS24662-57 MS35338-44 MS90725-6 8741247-30 10882479-1 11683020 11683011 MS90725-5 11683030 11683027 11683262-1 11683262-2 MS51922-5 MS35338-44 MS90726-4 11683100 11683101 11683099 11683029 E-21	GROUP 5247 HEATING UNITS  COVER ACCESS	EAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	1 16 26 26 26 47 1 1 47 1 1 6 6 24 24 24 1 1 4 2 1

TM 9-2330-271-14&P SECTION II

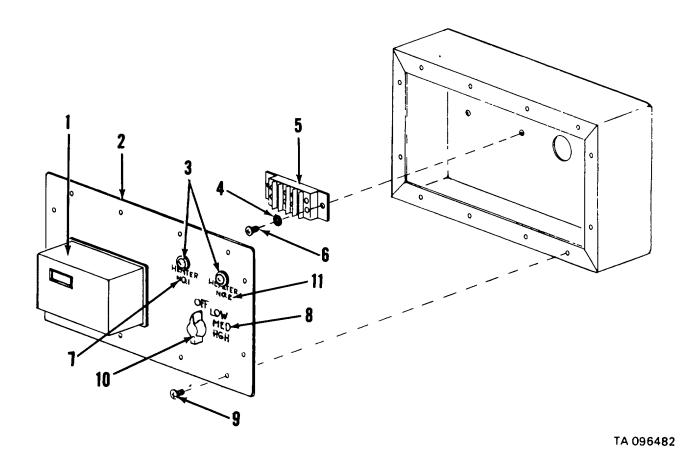


Figure 85. Heater thermostat, XM822.

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
85 85 85 85 85 85 85 85 85 85	2 3 4 5 6 7 8 9 10	XDOZZ XBOZZ XDOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ PAOZZ	5310-00-045-3299 5975-00-080-4554 5305-00-958-4357 9905-01-109-5871 9905-01-098-2018 5305-00-088-8330 5930-00-259-4647 9905-01-109-5870	19207 19207 19207 96906 89020 96906 19207 19207 96906 96906 19207	11683255 11683197 11683253 MS35338-42 524 MS35207-242 11683216-2 11683217 MS35207-241 MS25002-3 11683216-1	THERMOSTAT HEATER	EAAAAAA EEEEEEEEEEEEEEEEEEEEEEEEEEEEEE	1 1 2 2 6 2 V 1 12 1 V
					E-21	7		

TM 9-2330-271-14&P SECTION II

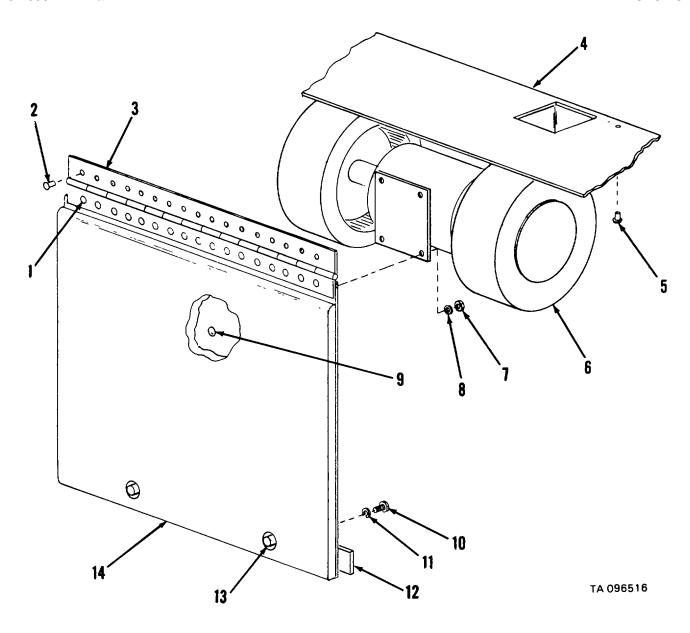


Figure 86. Blower installation, XM654.

	1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
86 86 86 86 86 86 86 86 86 86 86 86	2 3 4 5 6 7 8 9 10 11 12 13	PAOZZ PAOZZ XBOZZ PAOZZ XDOZZ XDOZZ XBOZZ	5320-00-242-1580 5320-00-242-1578 5320-01-028-4855 4140-01-098-2059 5310-00-596-6897 5310-00-816-2441 5305-00-989-7435 5310-00-576-5752 5330-01-103-1993	96906 96906 40670 96906 40670 13257 96906 96906 96906 96906 40670 94222 40670	MS20470A6-6 MS20470A6-8 3670807 3670812 MS24662-204 3670818 52NE066 MS27183-14 MS35751-71 MS35207-264 MS35333-39 3670827 44-99-225-21 3670809	GROUP 64 VENTILATING FANS AND BLOWERS GROUP 6402 BLOWER ASSEMBLY  RIVET SOLID	E E E E E E E E E E E E E E E E E E E	34 34 2 2 92 2 8 8 8 8 8 20 2
					E-21	9		

	(1) RATION	(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 95 GENERAL USE STANDERIZED PARTS GROUOP 9501 BULK MATERIAL		
		PCFZZ	6145-00-805-3354	81349	M13486-1-12	WIRE, ELECTRICALC13,C14,C15,C16,C17,C18,C19,	FT	1
		PCFZZ	6145-00-152-6499	81349	M13486-1-5	WIRE, ELECTRICAL	FT	1
		XDFZZ		70903	MW-C14 (41) B9	WIRE, ELECTRICAL	FT	1
		XDFZZ		70903	MW-C16 (26) B9	WIRE, ELECTRICALA09,A14	FT	1
					E-22	<b>30</b>		

		NATIONAL S	TOCK NUMBER INDEX		
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5210-00-001-1255	72	1	5310-00-045-3299	61	15
6645-00-001-1256	6	9	5310-00-045-3299	85	4
6250-00-001-1257	15	3	2540-00-043-3299	03	4
9905-00-001-6351	78	4	4730-00-050-4203	42	4
				48	
5330-00-001-7857	84	11	4730-00-050-4208		35
5330-00-001-7858	84	10	5940-00-050-6209	16	9
5330-00-001-7859	6	2	5940-00-050-6209	17	2
5330-00-001-7860	13	4	5940-00-050-6209	17	10
5330-00-001-7861	13	5	5940-00-050-6209	17	10
5320-00-011-9285	50	4	5940-00-050-6209	19	8
5315-00-013-7214	66	18	5940-00-050-6209	20	2
5315-00-013-7214	66	18	5940-00-050-6207	24	20
5315-00-013-7214	66	18	5305-00-050-9215	44	13
5315-00-013-7238	46	6	5310-00-052-2242	54	55
5315-00-013-7238	47	8	5310-00-052-6454	50	3
5315-00-013-8143	46	9	5310-00-052-6454	50	39
5315-00-013-8143	47	1	5310-00-052-6454	66	16
5315-00-014-2543	48	12	5310-00-052-6454	66	16
9905-00-014-7068	74	5	5305-00-052-6882	63	40
5310-00-016-7361	44	7	5305-00-052-6906	56	50
5310-00-017-9721	43	8	5305-00-052-6906	59	4
5306-00-017-9722	43	10	5305-00-052-6917	54	60
5305-00-017-9723	50	18	5305-00-052-6917	54	60
4730-00-018-9566	26	16	5305-00-052-6917	54	60
5925-00-019-0103	1	10	5305-00-052-6917	58	3
6240-00-019-0877	•	• •	5305-00-052-6917	59	16
6240-00-019-0877	7	6	5305-00-052-6917	61	60
6240-00-019-0877	7	6	5305-00-052-6917	64	25
6240-00-019-0877	7	6	5305-00-052-6917	69	14
6240-00-019-0877	8	8	5305-00-052-7380	62	21
6240-00-019-0877	9	7	5305-00-052-7405	56	17
6240-00-019-0877	10	12	5305-00-052-7405	61	41
6240-00-019-3093	10	5	5305-00-052-7403	54	22
6240-00-019-3093	12	7	5305-00-052-7492	54	22
5365-00-023-8241	51	30	5999-00-057-2929	2	5
5330-00-025-8210	6	10	5999-00-057-2929	9	10
	54	21		10	10
5360-00-025-8210		21	5999-00-057-2929	16	11
5360-00-025-8210	54		5999-00-057-2929		
5360-00-025-8210	58	26	5999-00-057-2929	18	12
5360-00-025-8210	58	26	5999-00-057-2929	18	17 15
5360-00-025-8210	58 50	26 46	5999-00-057-2929	19	
5360-00-025-8210	59 50	46	5999-00-057-2929	20 20	8
5360-00-025-8210	59	46	5999-00-057-2929		15
5360-00-025-8210	60	19	5999-00-057-2929	20	21
5360-00-025-8210	64	4	5999-00-057-2929	21	5
2530-00-026-0265	40	4	5999-00-057-2929	21	12
2530-00-026-0265	40	1	5999-00-057-2929	23	4
2510-00-037-4972	26	15	5999-00-057-2929	23	15
2530-00-040-2856	48	54	5999-00-057-2929	16	20
2530-00-040-2856	49	2	5340-00-057-4094	68	7
5305-00-042-6417	66	4	5340-00-060-0122	68	11
5305-00-042-6417	81	6	5340-00-060-0122	68	27
5305-00-044-4153	43	3	5340-00-060-0122		
5305-00-044-4153	51	16	2640-00-060-3550	41	4
6240-00-044-6914			2640-00-060-3550	69	16
6240-00-044-6914	9	4	5310-00-062-5300	36	7
6240-00-044-6914	10	4	5330-00-067-5840	54	38
6240-00-044-6914	12	7	5320-00-067-5840	54	38
6240-00-044-6914	12	7	5320-00-067-5840	55	17
5310-00-045-3296	11	2	5320-00-067-5840	56	1
5310-00-045-3296	16	19	5320-00-067-5840	58	8
5310-00-045-3296	16	19	5320-00-067-5840	58	8
5310-00-045-3296	16	19	5320-00-067-5840	59	30
5310-00-045-3296	19	24	5320-00-067-5840	60	1
5310-00-045-3296	24	5	5320-00-067-5840	61	20
5310-00-045-3296	53	16	5320-00-067-5840	63	21
5310-00-045-3296	54	64	5320-00-067-5840	64	22
5310-00-045-3296	54	64	5310-00-067-6356	42	16
5310-00-045-3296	58	4	5310-00-067-6356	51	4
5310-00-045-3296	61	61	5310-00-067-6356	51	27
5310-00-045-3296	66	20	5310-00-067-9507	56	36
5310-00-045-3296	66	20	5310-00-067-9507	61	53
5310-00-045-3296	68	17	5305-00-068-0501	84	9
5310-00-045-3296	68	36	5305-00-068-0502	81	14
5310-00-045-3296	69	15	5305-00-068-0502	84	4
5310-00-045-3296	82	14	5305-00-068-0502	52	10
5310-00-045-3296	1	15	5320-00-068-2057	53	13
5310-00-045-3299	2	9	5305-00-068-9183	60	39
5310-00-045-3299	4	19	4730-00-069-1186	33	6
5310-00-045-3299	9	9	4730-00-069-1186	33	48
	· ·	ŭ			.5

	NATIONAL STO		OCK NUMBER INDEX			
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM	
4730-00-069-1186	34	3	6240-01-155-8717			
4130-00-069-1186 4730-00-069-1186	35 38	8 1	6240-01-155-8717 2530-00-157-1396			
4730-00-069-11 86	39	5	2530-00-157-1396	33	40	
4730-00-069-1187	33	8	2530-03-157-1396	34	28	
4730-00-069-1187	35 82	31	2530-00-157-1396 5305-00-150-5303	35 54	3	
5305-00-069-5576 5305-00-071-2237	62 19	1 20	5305-00-159-5393 5305-00-159-5393	54 54	2 2	
5305-00-071-2241	65	13	5305-00-t59-5393	54	60	
5305-00-071-2241	65	13	2530-00-159-8755	29	5	
5305-00-071-2241 5305-00-071-2241	65 65	13 13	2530-00-159-8756 6110-00-161-0404	29 5	5 2	
5305-00-071-2241	71	20	5340-00-164-3558	54	43	
5305-00-071-2241	81	3	5340-00-164-3558	54	43	
5975-00-073-4341	5 27	26	5340-00-164-3558	58	33	
2530-00-074-2357 5306-00-074-2366	50	6 35	5340-00-164-3S58 5340-00-164-3558	60 64	26 35	
2530-00-075-5856	38	8	5340-00-167-0721	29	9	
2530-00-075-5856	39	12	5325-00-171-6387	16	17	
2530-00-075-5856 2540-00-075-6633	52 42	2 1	5325-00-171-6387 5325-00-171-6387	16 16	17 17	
2540-00-078-6633	42	11	5325-00-171-0387	16	17	
5925-00-080-2113	5	30	5325-00-171-6387	19	16	
5975-00-080-4554	1	16	5325-00-174-9008	16	17	
5975-00-080-4554 5310-00-080-6004	85 40	5 17	5325-00-174-9008 5325-00-174-9008	16 16	17 17	
5310-00-080-6004	66	8	5325-00-174-9008	19	16	
5310-00-080-6004	86	8	5320-00-175-7604	84	2	
5310-00-080-8495	61	13	2510-00-177-7188	26	2	
5310-00-080-8495 5310-0C-080-8495	62 63	19 20	6220-00-179-4324 9390-00-180-7289	10 16	2 2 7	
5310-00-080-8495	67	20	9390-00-180-7289	22	5	
5310-00-080-8495	70	22	9390-00-180-7289	24	t6	
5325-00-081-4157 5305-00-082-6977	63 44	16 9	4730-00-187-7612 4730-00-187-7612	33 34	46 33	
5340-00-082-0977	16	20	4730-00-187-7612	35	36	
5340-00-088-1254	16	20	4730-00-196-0883	33	34	
5340-00-088-1254	19	22	4730-00-196-0883	34	11	
5305-00-088-8330 5306-00-089-0175	85 55	9 27	3110-00-198-0014 9905-00-202-3639	26 72	12 9	
5306-00-089-0175	60	31	9905-00-202-3639	72	9	
5365-00-090-5426	16	6	4710-00-203-0028	35	13	
5365-00-090-5426 5365-00-090-5426	17 17	7 5	4710-00-203-3172 4710-00-203-3172	33 33	9 9	
5365-00-090-5426	17	15	4710-00-203-3172	33	9	
5365-00-090-5426	19	6	4710-00-203-3L72	33	9	
5365-00-090-5426	22	8	4710-00-203-3172	33	36	
5365-30-090-5426 5365-00-090-5426	23 23	7 17	4710-00-203-3172 4710-00-203-3172	34 38	1 2	
5365-00-090-5426	24	18	4710-00-203-3172	39	23	
3110-00-100-0515	4R	7	4730-00-204-3392	71	4	
3110-00-100-4220 3110-00-100-5951	48 40	7	9905-00-205-2795 9905-00-205-7795	72 72	9	
3110-00-100-3931	40 48	8 10	5310-00-209-0965	72 82	9 2	
5120-00-104-4076			9320-00-209-1900	63	2	
3120-00-105-9923	26	10	5935-00-214-0904	20	14	
3120-00-105-9923 9320-00-107-9923	26 63	11 2	5310-00-220-2665 5310-00-220-6848	26 48	17 6	
9320-00-107-9923	63	2	4730-00-221-5012	71	8	
5935-00-112-4416	5	14	4730-00-222-1839	83	17	
5305-00-115-9526	9	13	5120-00-222-1904			
5305-00-115-S526 3110-00-117-0759	10 48	7 20	5120-00-224-7330 5305-00-225-3839	60	50	
5320-00-117-6856	64	47	5305-00-225-3842	10	18	
2530-00-118-8589	37	1	530L-00-225-6992	51	22	
2530-00-118-8589 4010-00-129-3221	31 42	1 13	5306-00-225-8496 5306-00-225-8496	26 32	22 3	
5320-00-129-5706	2	13	5305-00-225-9081	6	20	
5935-00-131-9685	2 5	17	5306-00-225-9084	8	15	
5935-00-131-9685	5	18	5305-00-225-9101	50	17	
1440-00-133-9471 5935-00-137-4670	26 4	1 21	5306-00-226-4831 5305-00-226-7768	81 83	19 4	
3110-00-142-4355	48	7	4730-00-231-5644	34	6	
2530-00-142-6045	36	1	5320-00-234-2597	83	11	
4730-00-143-4324 5310-00-140-0136	71 51	5 25	4730-00-240-9154 5310-00-240-9332	35 50	11	
5310-00-149-9126 5306-00-150-3075	51 42	25 18	5310-00-240-9332 5320-00-242-1576	50 68	41 9	
5305-00-150-3583	72	3	5320-09-242-1576	68	26	
3040-00-150-7127	27	6	5320-00-242-1578	61	3	
6145-00-152-6499			5320-00-242-1578	62	8	

			OCK NUMBER INDEX			
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM	
5000 00 040 4570	00		5005 00 000 0050	0.5	70	
5320-00-242-1578 5320-00-242-1578	62 63	11 12	5305-03-269-3250 5310-00-269-4040	35 51	76 74	
5320-00-2Z2-1578	67	11	2610-00-269-7383	31	7-7	
5320-00-242-1578	67	15	2610-00-269-7383	41	2	
5320-00-242-1578 5320-0C-242-1578	67 68	77 28	2530-00-270-3878 ?530-00-270-3878	33 33	2 11	
5320-00-242-1578	86	2	2530-00-270-3878	34	16	
5320-00-242-1579	54	15	2530-00-270-3878	35	15	
5320-00-242-1579 5320-00-242-1579	54 62	15 9	2530-00-270-3878 4730-00-270-4580	39 35	4 29	
5320-00-242-1579	63	10	4730-0D-270-4580	38	7	
5320-00-242-1579 5320-00-242-L579	64 67	49 13	473n-00-270-4580 5325-00-270-8890	39 16	9 17	
5320-00-242-1580	54	13	5325-00-270-0090	24	10	
5320-00-242-1580	54	13	4320-00-213-0853	3	8	
5320-00-242-1580 5320-00-242-L580	64 68	48 10	5306-00-274-0958 5365-00-274-4544	50 30	24 12	
5320-00-242-1580	68	14	5365-00-274-4544	32	7	
5220-00-242-1580	68	31	5310-00-275-6635	30	14	
5320-00-242-1580 5320-00-242-1587	86 72	1 3	4710-00-277-5525 4710-00-277-5525	34 35	5 27	
5315-00-243-1169	42	1	4710-00-277-5525	38	4	
5940-00-244-9749	1	11	4710-00-277-5525	39	10	
4730-00-244-9848 4730-00-244-9848	33 33	7 7	4710-00-277-5529 4710-00-277-5529	33 34	24 4	
4730-00-244-9848	34	13	4710-00-277-5529	35	12	
4130-00-244-9848 4730-00-244-9848	35 38	18 19	4710-00-277-5529 2530-00-278-2243	83 31	12 1	
4130-00-244-9848	39	3	4730-00-278-2681	83	16	
4730-00-244-5848	70	2	4730-00-278-3213	33	15	
4730-00-249-3935 4730-00-249-3935	33 34	33 14	4730-00-278-3213 5975-00-280-3510	38	10 3	
4730-00-249-3935	35	17	5975-00-280-3510	3 5 5	8	
4730-00-249-3935	39	13	5920-00-280-8342		33	
5325-00-249-6352 5305-00-253-5626	33 42	44 12	5310-00-782-4776 5340-00-282-8335	51 24	21 4	
4130-00-254-6450	83	3	5935-00-283-3394	16	20	
5930-00-259-4647	85	10	5920-00-284-6787	5	32	
2610-00-262-8677 2610-00-262-8677	41	1	5320-00-285-1025 2540-00-287-2571	43 55	IS 18	
5320-00-204-3351	65	10	2540-00-287-2571	56	2 9	
4730-00-266-1835 5305-00-267-8973	83 84	13 17	2540-00-287-2571 2540-00-287-2571	58 58	9 9	
5305-00-267-8973	52	8	2540-00-287-2571	59	31	
5305-00-269-2803	28	17	2540-00-287-2571	61	71	
5305-00-269-2803 5305-00-269-2803	34 35	20 25	2540-00-287-2571 2530-00-287-8252	63 32	22 12	
5305-00-269-2803	36	11	4730-00-289-005l	35	7	
5305-00-269-2805	30	8	5325-00-290-0074	16	17	
5305-00-269-2807 5305-00-269-2807	28 28	17 17	5325-00-290-3816 5325-00-290-3816	64 68	50 4	
5305-00-269-3213	33	28	5325-00-290-3816	68	34	
5305-00-269-3213 530s-00-269-3213	54 54	48 48	5315-00-290-6132 5325-00-290-8026	42 61	6 10	
5305-00-269-3213	56	26	5325-00-290-8026	62	14	
5305-00-269-3213	56	32	5325-00-290-8026	67	17	
5305-00-269-3213 5305-00-269-3213	57 57	28 35	5325-00-290-8026 5340-00-291-4214	67	31	
5305-00-269-3213	59	29	5305-00-292-7947	63	38	
5305-00-269-3213	61	48	5305-00-292-7947	65	17	
5305-00-269-3214 5305-00-269-3214	58 58	38 38	5330-00-297-7106 5315-00-298-1481	9 43	5 6	
5305-00-269-3214	58	38	5325-00-298-7004	54	16	
5305-00-269-3214 5305-00-269-3214	59 60	29 31	5325-00-298-7004 5325-00-298-7004	54 63	16 5l	
5305-00-269-3214	64	40	6220-00-299-5893	12	1	
5305-00-269-3216	56	32	6250-00-299-6096	14	5	
5305-00-269-3216 5305-00-269-3233	59 29	29 2	6220-00-299-7425 6220-00-299-7425	7 7	4 4	
5305-00-269-3234	54	29	6220-00-299-7426	7 7	4	
5305-00-269-3234	55 56	10	6220-00-299-7426	7	4	
5305-00-269-3234 5305-00-269-3234	56 57	10 13	5310-00-314-0764 5310-00-314-0765	27 27	5 4	
5305-00-269-3234	58	23	5315-00-316-1063	48	31	
5305-00-269-3234 5305-00-269-3234	59 60	43 16	1005-00-317-2453 2530-00-318-1227	2 36	15 3	
5305-00-269-3234 5305-00-269-3234	60 61	16 29	2530-00-318-1227 3020-00-319-6011	48	40	
5305-00-269-3234	63	31	5310-00-322-7260	27	3	
5305-00-269-3234 5305-00-269-3250	64 34	12 21	2530-00-322-7261 4710-00-322-7264	27 48	2 27	
0000 00 200 0200	J <del>-1</del>	۷.	47 10-00-322-7204 E 222	40	۷.	

	N.	ATIONAL ST	OCK NUMBER INDEX		
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5000 00 000 4005	40	0.5	5005 00 400 4004	7-	
5306-00-322-1365 5306-00-335-4768	48 40	25 16	5305-00-432-4201 5305-00-432-4201	75 76	1 1
4820-00-350-6495	34	12	5305-00-432-4201	71	i
4820-00-350-6749	33	23	5305-00-432-4201	79	1
5330-00-353-0959 5330-00-353-0959	7 7	8 8	5305-00-432-4201 5305-00-432-4201	19 80	1 2
5330-00-353-0959	7	8	5305-00-432-4203	72	2 8 3 6
4910-00-357-5494	70	0	5305-00-432-4205	11	3
5307-00-358-0792 5307-00-355-0297	70 11	8 24	5305-00-432-4205 5305-00-432-4205	24 55	1
2530-00-359-1162	40	11	5305-00-432-4205	55	1
6250-00-311-4018 6250-00-371-4018	1 7	7 7	5305-00-432-4205 5305-00-432-4205	56 56	43 43
6250-00-371-4018	1	7	5305-00-432-4205	57	21
5306-00-383-4957	40	14	5305-00-432-4205	58	1
4720-00-384-8245 5310-00-393-6685	30 16	3 8	5305-00-432-4205 5305-00-432-4705	58 59	1 18
5310-00-393-6685	17	8	5305-00-432-4205	60	33
5310-00-393-6685	17	16 16	5305-00-432-4205	61	43
5310-00-393-6685 5310-00-393-6685	17 19	16 7	5305-00-442-4252 5305-00-432-4252	66 66	11 11
5310-00-393-6685	22	7	5305-00-432-4252	72	8
5310-00-393-6685 5310-00-393-6685	23 23	8 18	5305-00-432-4254 5305-00-432-4254	55 56	7 13
5310-00-393-6685	24	19	5305-00-432-4254	56	41
5940-00-339-6676	17	13	5305-00-432-4254	57	3
5940-00-399-6676 5940-00-399-6616	17 18	13 16	5305-00-432-4254 5305-00-432-4254	58 58	25 25
5940-00-394-6676	19	4	5305-00-432-4254	59	45
5940-00-399-6676 5035-00-400-4564	20	12	5305-00-432-4254	60	18
5925-00-400-1561 5310-00-407-9566	1 6	5 19	5305-00-432-4254 5305-00-432-4254	61 63	37 24
5310-00-407-9566	8	14	5305-00-432-4254	64	5
5310-00-407-9566 5310-00-407-9566	26 32	21	5105-00-432-4255 6220-00-433-5966	57 8	19 4
5310-00-407-9566	50	2 7	5995-00-435-2498	O	4
5310-00-407-9566	65	2	5935-00-455-2634	5	21
5310-00-407-9566 5310-00-407-9566	65 66	2 2	5930-00-455-2748 5930-00-455-3418	5 5	3 4
5310-00-407-9566	81	70	5330-00-462-0907	10	3
5330-00-414-6695	54 54	37	4730-00-463-1588	30 62	9 29
5330-00-414-6695 5330-00-414-6695	55 55	31 16	5305-00-469-3722 5305-00-476-7369	12	3
5330-00-414-6695	56	3	5305-00-476-7369	13	14
5330-00-414-6695 5330-30-4t4-6695	58 58	10 10	5305-00-483-0555 5305-00-483-0555	17 12	3 3
5330-00-414-66\$5	59	32	5305-00-483-0555	13	t4
5330-00-414-6695	60	3	5305-00-483-0555	14	8
5330-00-414-6695 5330-00-414-66S5	61 63	22 23	5310-00-488-9342 4130-00-494-6580	44 38	8 9
5330-00-414-6695	64	20	4730-00-494-6580	39	24
4730-00-419-9425 4730-00-419-9425	30 32	11 6	5310-00-500-0387 6220-00-500-0437	40 9	9 2
4820-00-420-5499	33	35	5340-00-510-8828	48	33
4820-00-432-1336	83	14	2590-00-510-8829	40	34
2590-00-432-1339 2590-00-432-1340	22 17	1 9	5340-00-510-8831 4710-00-511- 1692	48 31	41 4
4720-00-432-1341	83	1	5330-00-513-9933	48	3
5305-00-432-4164	73 73	1 1	5340-00-514- 1330 5315-00-515-0405	82 48	10 21
5305-00-4!2-4164 5305-00-432-4164	73 73	1	5315-00-515-0495 5310-00-515-9267	70	7
5305-00-432-4164	74	1	5310-00-515-9267	71	25
5305-00-432-41 64 5305-00-432-4164	75 8	4 2	5365-00-516-7878 2530-00-522-1157	31 28	9 12
5305-00-432-4164	78	2	5940-00-534-0991	24	12
5305-00-432-4166	2	1	5940-00-534-0991	24	15
5305-00-432-4171 5305-00-432-4111	61 67	14 5	6240-00-536- 1851 5915-00-538-6260	14 3	11 1
5305-00-432-4172	7	10	5305-00-543-2419	66	4
5305-00-432-4172 5305-00-432-4172	62 66	28 11	5340-00-543-3398 5320-00-543-3680	54 54	52 7
5305-00-432-4172	66	11	5320-00-543-3680	54 54	7
5305-00-432-4172	66	11	5320-00-543-3680	64	55
5305-00-432-4173 5305-00-432-4173	53 58	10 40	3120-00-544-1535 5310-00-550- 1130	48 2	15 12
5305-00-432-4201	64	25	5310-00-550-1130	2	12
5305-00-432-4201 5305-00-432-4201	71 72	43	5310-00-550-1130 5310-00-550-1130	16 16	19 10
5305-00-432-4201 5305-00-432-4201	72 73	8 6	5310-00-550-1130 5310-00-550-1130	16 33	19 12
5305-00-432-4201	74	4	5310-00-550-1130	38	12
			E 224		

	N	ATIONAL STO	OCK NUMBER INDEX		
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-00-550-1130	39	20	5310-00-584-5272	48	45
5310-00-550-3503 4210-00-555-8837	21	9	5310-00-584-5272 5310-00-584-5272	4 49	45 8
4210-00-555-8837			5310-00-584-5272	51	12
4210-00-555-8837	7	0	5310-00-584-5272	57	32 5
5310-00-559-0070 5310-00-559-0070	7 56	9 56	5310-00-584-5272 5310-00-584-5272	66 66	5 16
3020-00-562-0487	48	39	5310-00-584-5272	81	7
3020-00-562-0488	48	8	5310-00-584-5272	81	9
9390-00-563-1562	62	32	5310-00-584-7888	42	17
4710-00-566-7133 4710-00-566-7134	32 32	9 11	5310-00-584-1888 5310-00-584-7888	50 51	36 9
5935-00-572-9180	2 9	3	5310-00-584-7889	50	42
5935-00-572-9180		11	5320-00-584-9078	69	22
5535-00-572-9180 5935-00-572-9180	10 16	8 12	5320-00-584-9078 5320-00-584-9078	70 71	11 11
5935-00-572-9180	18	t10	5340-00-584-9400	62	26
5935-00-572-9180	18	18	5340-00-584-9400	66	14
5935-00-572-9180	19	13	5310-00-586-1767	48	30
5935-00-572-9180 5935-00-572-9180	20 20	6 13	4730-00-595-0083 4730-00-595-0083	33 33	1 32
5935-00-572-9180	20	22	4730-00-595-0083	34	15
5935-00-572-9180	21	6	4730-00-595-0083	35	16
5935-00-572-9180 5935-00-572-9180	21 23	13 2	4730-00-595-0083 4730-00-595-0083	38 39	18 1
5935-00-572-9180	23	13	5310-00-595-6612	51	3
5310-00-576-5752	1	9	5310-00-595-6612	51	26
5310-00-516-5752 5310-00-576-5153	7 86	9 11	5310-00-595-7237	56 57	21 15
5310-00-576-5152 6220-00-577-3434	7	1	53L0-00-595-7237 5310-00-595-7237	61	34
6220-00-577-3434	7	1	5310-00-596-6897	86	34 7
6220-00-577-3435	7	1	53L0-00-596-7693	67	4 5 5
5325-00-577-6134 5325-00-575-6134	16 16	17 17	5310-00-596-8169 5310-00-596-8169	7 7	5 5
5325-00-579-6134	16	i <i>.</i> 17	5310-00-596-8169	7	5
5325-00-579-6134	19	16	5340-00-597-6153	16	20
5320-00-582-3494 5320-00-582-3494	6 14	15 4	5340-00-591-6153 5340-00-597-6153	16 19	20
5320-00-582-3494	69	18	5340-00-597-6153	19	22 22
5320-00-582-3494	70	21	5340-00-591-6153	24	4
5320-00-582-3494 5320-00-582-3494	71 71	7 29	9320-00-611-6416 9320-00-611-6416	54 54	4 4
5325-00-582-3494	64	51	9320-00-611-6416	63	7
5310-00-582-5665	19	18	9320-00-611-6416	64	42
5310-00-582-5665	28 28	4 10	5330-00-614-4356 1015-00-614-4454	40 40	5 4
5310-00-582-5965 5310-00-582-5965	33	21	1015-00-614-4454 5930-00-615-6731	40 5	11
5310-00-582-5965	40	20	5320-00-616-4869	70	13
5310-00-582-5965	52	3	53 5-00-616-5522	4	4
5310-00-582-5965 5310-00-582-5965	54 54	23 23	5315-00-616-5530 5310-00-616-6857	48 48	13 4
5310-00-582-5965	55	8	6240-00-617-0991		
5310-00-582-5965	56	14	6240-00-617-0991	11	4
5310-00-582-5965 53L0-00-582-5965	57 58	4 24	5325-00-624-9931 5325-00-624-9931	6 69	13 24
5310-00-582-5965	58	24	5325-00-624-9931	70	15
5310-00-582-5965	59	44	5325-00-624-9931	71	17
5310-00-582-5965 5310-00-582-5965	60 60	17 49	5325-00-624-9931 5310-00-627-6128	71 28	34 16
5310-00-582-5965	61	36	5310-00-627-6128	29	3
5310-00-582-5965	63	25	4820-00-629-2180	35	19
5310-00-582-5965 5310-00-582-5965	64 65	6 11	2590-00-630-1567 2590-00-630-1567	54 55	21 15
5310-00-582-5965	65	11	2590-00-630-1567	63	30
5310-00-582-5965	65	11	2590-00-630-1567	64	11
5310-00-582-5965 5310-00-582-5965	65 71	11 40	4710-00-630-9928 5305-00-633-0785	32 8	11 12
5310-00-582-5965	81	40	5930-00-636-1285	5	10
5310-00-582-5965	81	12	5320-00-637-6072	83	t10
5310-00-582-5965	82	8	5310-00-637-9541	9	14
5310-00-582-5965 5310-00-582-5965	84 84	3 16	5310-00-637-9541 5310-00-631-9541	10 15	6 5
5310-00-582-6714	33	50	5310-00-637-9541	30	5 7
5325-00-584-1271	69 70	25	5310-00-637-9541	31	8
5325-00-584-1271 5325-00-584-1211	70 71	14 18	5310-00-637-9541 5310-00-637-9541	33 33	29 38
5325-00-584-1271	71	35	5310-00-637-9541	34	22
5310-00-584-5272	43	2	5310-00-637-9541	35	24
5310-00-584-5272 5310-00-584-5272	45 48	5 36	5310-00-637-9541 5310-00-637-9541	36 37	10 3
33.3 00 00 1 0212	40	00	E 00F	0,	J

		NATIONAL 31	OCK NOWBER INDEX		
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-00-637-9541	43	12	5315-00-682-2201	64	19
5310-00-637-9541	44	6	5935-00-686-2599	22	12
5310-00-631-9541	48	56	5305-00-688-2111	37	4
5310-00-637-9541	49	4	2530-00-690-2669	25	. 1
5310-00-637-9541	54	28	5360-00-692-6059	50	13
5310-00-637-9541	54	41	5310-00-693-0622	26	6
5310-00-637-9541	54	41	5310-00-693-0623	26	7
5310-00-637-9541	55	11	5330-00-693-0624	26	8
5310-00-637-9541	55	20	2530-00-693-1007	27	8
5310-00-637-9541	56	9	2530-00-693-1029	40	10
5310-00-637-9541	56	25	2590-00-693-3452	9	i š
		12		50	11
5310-00-637-9541	57		5315-00-699-8465		
5310-00-637-9541	57	27	5360-00-699-9018	28	13
5310-00-637-9541	58	22	3020-00-701-4980	48	.5
5310-00-637-9541	58	31	3120-00-701-4995	48	16
5310-00-637-9541	58	31	5360-00-704-4253	42	10
5310-00-637-9541	59	22	5940-00-705-6708	18	5
5310-00-037-9541	59	42	5305-00-716-8179	48	43
5310-00-637-9541	60	15	1440-00-717-5144	50	23
5310-00-637-9541	60	24	5365-00-717-5617	65	-8
5310-00-637-9541	61	28	5305-00-719-5184	66	11
5310-00-637-9541	61	49	5305-00-719-5104	45	
					6
5310-00-637-9541	63	32	5305-00-719-5275	<u>56</u>	38
5310-00-637-9541	64	13	5305-00-719-5215	57	34
5310-00-637-9541	64	33	5305-00-719-5275	61	56
5310-00-637-9541	65	5	5325-00-720-8076	33	10
5310-00-637-9541	65	5 5	5310-00-720-8208	8	2
5310-00-637-9541	65	5	5310-00-720-8549	69	8
5310-00-637-9541	65	5 5	5320-00-721-5210	11	13
5310-00-637-9541	66	5	5320-00-721-5210	71	32
5310-00-637-9541	66	9	5320-00-721-5211	68	5
5310-00-631-9541	66	0	5320-00-121-5211	68	24
		9			
5310-00-637-9541	66	9	5320-00-721-5211	70	10
5220-00-638-8619	6	.5	5320-00-721-5211	71	38
5320-00-638-8619	61	17	5305-00-123-9386	54	45
5320-00-638-8619	62	4	5305-00-723-9386	55	24
5320-00-638-8619	63	5	5305-00-723-9386	56	29
5320-00-638-8619	67	8	5305-00-723-9386	58	36
5320-00-638-8619	67	35	5305-00-123-9386	59	26
5310-00-641-9939	28	9	5305-00-123-9386	60	29
2510-00-647-0907	50	20	5305-00-723-9386	64	37
2510-00-641-0908	50	21	5305-00-725-4138	48	43
2510-00-647-0909	50	22	5305-00-725-4183	48	37
	50 50			48	44
5306-00-647-1029		9	5305-00-725-4183		
5930-00-655-1513	2	6	5305-00-725-4187	4 <u>9</u>	18
5930-00-655-1514	2	18	6220-00-126-1916	7	1
5340-00-664-7442	81	15	6220-00-726-1916	7	1
6220-00-669-5623	9	1	5305-00-726-2559	51	29
2530-00-670-5334	48	22	6220-00-727-3288	7	1
2530-00-678-4089	46	4	5305-00-727-5677	48	44
2530-00-678-4090	46	4	5305-00-727-5677	66	1
1510-00-678-4091	46	10	5305-00-727-5677	66	17
2530-00-678-4092	46	12	5305-00-727-8816	50	49
2530-00-678-4092	47	4	4730-00-729-6437	30	10
2530-00-678-4092	47	12	4730-00-729-6437	32	8
2530-00-678-4092	49	12	2530-00-730-7620	28	1
2530-00-678-4092	65	14	2530-00-730-7621	28 33	1
2530-00-678-4093	46	2	5310-00-732-0558	33	30
2590-00-678-6124	23	12	5310-00-732-0558	33	1
4120-00-678-6125	33	45	5310-00-732-0558	37	2
4120-00-678-6125	34	32	5310-00-732-0558	48	57
4720-00-678-6125	35	37	53L0-00-732-0558	49	5
5365-00-678-6872	48	32	5310-00-732-0558	50	6
2530-00-678-9029	50	38	5310-00-732-0558	50	32
5330-00-678-9047	8	9	5310-00-732-0558	54	40
	48	9		54 54	40
5310-00-679-5658			5310-00-732-0558	54 FF	
5305-00-680-9197	48	42	5310-00-732-0558	55	19
5975-00-682-0560	5	12	5310-00-732-0558	56	24
5975-00-682-0561	4	2	5310-00-732-0558	57	26
5935-00-682-0569	3	21	5310-00-732-0558	58	32
5340-00-682-1508			5310-00-732-0558	58	32
5340-00-682-1508			5310-00-732-0558	59	21
5340-00-682-1508			5310-00-732-0558	60	25
5315-00-682-2207	54	36	5310-00-732-0558	61	50
5315-00-682-2207	54	36	5310-00-732-0558	64	32
5315-00-682-2207	58	11	5310-00-732-0558	65	4
		11		65	4
5315-00-682-2207 5315-00-682-2207	58 50		5310-00-732-0558 5310-00-732-0558	00 65	
5315-00-682-2207	59 50	33	5310-00-732-0558	65 65	4
5315-00-682-2207	59	33	5310-00-732-0558	65	4
5315-00-682-2207	60	4	5310-00-732-0558	66	10
			E 000		

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-00-732-0559	28	15	6220-00-752-6516	7	3
5310-00-732-0559	28	15	6220-00-752-6516	7	3
5310-00-732-0559 5310-00-732-0559	30 31	6 7	2530-00-753-9308 5325-00-754-1071	31 33	10 10
5310-00-732-0559	34	23	5325-00-754-1154	16	17
5310-00-732-0559	35	23	5310-00-754-2005	26	14
5310-00-732-0559 5310-00-732-0559	36 61	9 62	5935-00-754-9083 1620-00-756-9181	22 62	14 36
5310-00-732-0559	66	10	5310-00-761-6882	2	11
5310-00-732-0559	66	10	5310-00-761-6882	2	11
5310-00-732-0559 5310-00-732-0560	66 45	10 4	5310-00-761-6882 5310-00-761-6882	2 16	1I 18
5310-00-732-0560	48	46	5310-00-761-6882	16	18
5310-00-732-0560	48	46	5310-00-761-6882	28	3
5310-00-732-0560 5310-00-732-0560	49 66	7 15	5310-00-761-6882 5310-00-761-6882	33 33	11 20
5310-00-732-0500	8	13	5310-00-761-6882	38	I1
5306-00-713-9239	40	14	5310-00-761-6882	39	19
5320-00-735-5198 1440-00-735-5316	50 40	31 19	5310-00-761-6882 5310-00-761-6882	43 71	13 39
2510-00-736-8629	50	26	5310-00-761-6882	81	13
2510-00-736-8641	50	27	5310-00-761-6882	82	9
2510-00-736-8642 2510-00-736-8676	50 50	28 30	5305-00-762-6041 5310-00-763-8901	66 50	17 2
2510-00-736-8677	50	29	5310-00-763-8901	51	10
2510-00-737-3221	50	10	5310-00-763-8901	66	15
5365-00-737-3354	31 40	6 2	5310-00-763-8901 5310-00-763-8001	66 66	15 15
2530-00-738-9061 2530-00-738-9620	40	3	5310-00-763-8901 5310-00-763-8905	33	42
5340-00-740-5335	50	8	5310-00-763-8909	34	26
2530-00-741-1078	33	25	5310-00-763-8905	35	5
2530-00-741-1078 2530-00-741-1078	34 35	18 22	5310-00-763-8905 5310-00-763-8905	48 48	46 46
5310-00-741-1378	40	7	5310-00-763-8920	66	15
5310-00-741-1379	40	6	5310-00-763-8920	66	15
2530-00-741-1425 5330-00-741-1429	40 40	12 11	5305-00-764-0070 5310-00-768-0318	8 43	11 1
5305-00-741-1433	40	15	5310-00-768-0318	51	11
5306-00-741-1760	28	2	5310-00-768-0318	81	8
4730-00-741-1903 4110-00-741-1907	32 32	10 9	5310-00-768-0319 2590-00-770-3430	52 48	4 1
2530-00-741-2050	12	1	2530-00-770-9149	29	6
2530-00-741-2065	32	13	2530-00-770-9150	29	7
2530-00-741-2068 5310-00-741-2088	32 30	1 13	2530-00-770-9151 5975-00-771-6634	29 22	7 13
5310-00-741-2088	32	5	5935-00-771-6793	22	6
5365-00-741-2103	28	8	5935-00-771-6794	23	16
2530-00-741-2104 5315-00-741-2106	29 28	10 7	5935-00-773-1428 4730-00-773-2163	2 31	10 5
5310-00-741-2120	29	11	2540-00-773-9385	01	ŭ
6220-00-741-27e9	12	4	2540-00-773-9385	48	49
6220-00-741-2769 5330-00-741-2770	12 12	4 5	2530-00-774-4947 2530-00-774-9401	48 27	26 1
5330-00-741-2770	12	5	2530-00-774-9402	27	1
5330-00-741-2770	12	5	6220-00-775-2384	8	10
5330-00-741-2770 2530-00-741-3231	14 40	2 13	1450-00-776-3264 5360-00-780-0508	28 36	6 5
2530-00-741-5451	8	7	2590-00-780-0822	48	1
3040-00-752-1156	43	14	5970-00-781-9861	8	5
2510-00-752-1157 2510-00-752-1160	43 43	5 4	6240-00-782-2052 5305-00-782-9489	13 48	2 55
2510-00-752-1161	43	9	5305-00-782-9489	49	3
2510-00-752-1163	43	.7	2530-00-791-0110	29	1
2510-00-752-1639 2510-00-752-1640	50 26	47 20	2530-00-791-3259 2530-00-791-3259	29 29	1 12
5306-00-752-1642	26	13	4710-00-791-8077	32	4
2510-00-752-1645	26	5	4710-00-791-8078	32	4
5330-00-752-1648 5310-00-752-1650	26 26	19 18	2530-00-794-9763 5310-00-797-4870	28 50	12 40
5935-00-752-1737	50	33	2530-00-797-9295	33	19
2530-00-752-1831	50	52	5306-00-791-9296	33	22
2530-00-712-1832 2530-00-712-1833	50 50	46 45	1440-00-798-4812 1440-00-798-4824	29 29	4 4
2530-00-712-1833 2530-00-752-1834	50 50	45 44	1440-00-798-4824 5315-00-800-0712	29 54	33
5935-00-752-3099	24	9	5315-00-800-0112	58	15
5315-00-752-4316 6220-00-752-5992	42 7	9 11	5315-00-800-0712 5315-00-800-0712	59 59	36 36
6220-00-752-5992	7	11	5315-00-800-0712	60	8
6220-00-752-6020	9	6	5315-00-800-0712	64	16
6220-00-752-6516	7	3	2590-00-800-7756	48	11

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-00-801-5747	21	11	5935-00-833-8561	17	11
5365-00-803-7301	42	5	5935-00-833-8561	18	2
6145-00-805-3354 5310-00-807-1467	6	7	5935-00-833-8561 5935-00-833-8561	18 18	7 14
5340-00-809-1492	33	14	5935-00-833-8561	19	2
5340-00-809-1492	38	14	5935-00-833-8561	19	10
5340-00-809-1492 4720-00-809-2750	39 31	22 2	5935-00-833-8561 5935-00-833-8561	20 20	3 10
5310-00-089-4058	19	19	5935-00-633-8561	20	18
5310-00-089-4085	43	2	5935-00-833-8561	21	2
5310-00-809-5997 5310-00-809-5998	43 56	2 37	5935-00-833-8561 5935-00-833-8561	21 22	9 2
5310-00-809-5998	61	54	5935-00-833-8561	23	9
2540-00-809-7796	54	19	5970-00-833-8562	16	3
2540-00-809-7796 2540-00-809-7796	54 55	19 6	5970-00-833-8562 5970-00-833-8562	16 17	15 4
2540-00-809-7796	56	15	5970-00-633-6362	17	12
2540-00-809-7196	57	2	5970-00-833-8562	17	12
2540-00-809-7796 2540-00-809-7796	58 58	28 28	5970-00-833-8567 5970-00-833-8562	11 18	12 3
2540-00-809-7796	59	48	5970-00-633-6362	18	9
2540-00-809-7796	60	21	5970-00-833-8562	8	15
2540-00-809-7796 2540-00-800-7796	61 64	38 2	5970-00-833-8562 5970-00-833-8562	19 19	3 11
5310-00-809-8533	46	9	5970-00-633-6362	20	4
5310-00-809-8533	47	3	5970-00-833-8562	20	11
5310-00-809-8533 5310-00-809-8541	51	8 5	5970-00-833-8562	20 21	19 3
5310-00-809-8541	46 47	1	5970-00-833-8562 5970-00-833-8562	21	10
5310-00-809-8541	70	3	5970-00-833-8562	22	3
5310-00-809-8546	54	51	5970-00-833-8562	23	10
5315-00-810-3704 2640-00-810-5861	48	14	5370-00-833-8567 5310-00-833-8562	2 9	4 12
2640-00-810-5861	41	3	5310-00-833-8567	10	9
5325-00-811-2699	66	25	5310-00-833-8567	16	13
5325-00-814-3316 5325-00-814-3316	34 35	29 33	5310-00-833-8561 5310-00-833-8567	18 18	11 19
5325-00-814-3316	39	18	5310-00-833-8561	19	14
5315-00-816-1794	56	11	5310-00-833-8567	20	7
5315-00-816-1794 5315-00-816-1794	57 61	6 30	5310-00-833-8567 5310-00-833-8567	20 20	16 23
5315-00-816-1794	63	36	5310-00-833-8567	21	7
5306-00-816-2441	54	42	5310-00-833-8567	21	14
5306-00-816-2441 5306-00-816-2441	54 55	42 21	5310-00-833-8567 5310-00-833-8567	23 23	3 14
5306-00-816-2441	56	26	5935-00-834-4904	3	23
5306-00-816-2441	58	30	6220-00-835-6316	11	6
5306-00-816-2441 5306-00-816-2441	58 59	30 23	4730-00-831-1177 5340-00-838-5266	35	20
5306-00-816-2441	60	23	5340-00-839-0098	54	25
5306-00-816-2441	64	34	5340-00-839-0098	55	14
5306-00-816-2441 5310-00-820-6653	86 33	9 43	5340-00-839-0098 5340-00-839-0098	56 56	5 19
5310-00-820-6653	34	27	5340-00-839-0098	51	8
5310-00-820-6653	35	6	5340-00-839-0098	57	20
5310-00-820-6653 5310-00-820-6653	48 48	45 45	5340-00-839-0095 5340-00-839-0098	58 59	18 38
5210-00-820-6653	66	16	5340-00-839-0098	60	11
5310-00-820-6653	66	16	5340-00-839-0098	61	24
4130-00-821-8981 5320-00-824-4760	83 71	19 42	5340-00-839-0098 5340-00-839-0098	61 63	40 27
5325-00-826-3620	6	12	5340-00-839-0098	64	8
5325-00-826-3620	61	8	5935-00-839-9681	3	22
5325-00-126-3620 5325-00-826-3620	62 66	15 26	5310-00-841-2041 5330-00-841-9289	48 60	28 41
5325-00-020-3020	67	18	5915-00-844-1066	4	8
5325-00-826-3620	61	32	5315-00-844-5836	48	18
5325-00-826-3620 5325-00-826-3620	68 68	3 35	5935-00-845-1141 6685-00-845-2190	24 1	3 7
5935-00-821-5658	3	20	5935-00-845-4517	24	2
5320-00-828-1284	54	54	5315-00-846-0126	42	3
5320-00-828-1284 5320-00-828-1284	59 60	10 45	5935-00-846-3883 5935-00-846-3883	16 11	5 6
5310-00-828-8189	48	52	5935-00-846-3883	17	14
5310-00-28-8189	49	14	5935-00-846-3883	11	14
5935-00-833-8561 5935-00-833-8561	16 16	2 14	5935-00-846-3883 5935-00-846-3883	19 24	5 17
5935-00-833-8561	11	3	5935-00-846-3884	23	6
5935-00-833-8561	17	11	5935-00-846-3884	23	16
5935-00-833-8561	17	11	5940-00-846-5012	16	4

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5940-00-846-5012	16	16	5950-00-883-6443	2	7
5940-00-846-5012	17	5	5305-00-889-3002	9	. 8
5940-00-846-5012 5940-00-846-5012	18 18	4 9	5310-00-891-3428 5330-00-891-7826	33 26	49 9
5940-00-846-5012	19	12	5920-00-892-9318	5	34
5940-00-846-5012	20	5	2530-00-893-4100	48	2
5940-00-846-5012	20	20	4730-00-896-0837	33	18
5940-00-846-5012 5940-00-846-5012	21 21	4 18	4730-00-896-0837 4730-00-896-0837	34 35	2 32
5940-00-846-5012	22	4	2590-00-896-9025	48	29
5940-00-841-5012	23	11	4710-00-896-9031	30	4
6220-00-846-1745	8	1	9320-00-897-5884	53	4
2590-00-847-0350 2590-00-847-0390	48	24	9320-00-897-5884 9320-00-897-5884	54 54	5 5
4820-00-849-1220	33	26	9320-00-897-5884	58 58	41
4820-00-849-1220	34	10	9320-00-897-5884	63	18
4820-00-849-1220	35	14	9320-00-897-5884	64	30
5310-00-849-6882 5310-00-849-6882	42 48	2 28	9320-00-897-5884 9320-00-s97-5884	64 66	51 27
5320-00-849-9356	63	9	9320-00-897-5884	68	2
5320-00-849-9356	67	11	9320-00-897-5884	68	21
5315-00-849-9857	46	7	9320-00-897-5884	70	23
5185-00-849-5857	47	2	9320-00-897-5884	71	2
5925-00-880-1432 5935-00-883-1531	1 3	4 5	9320-00-897-5884 2540-00-897-5981	81 65	2 7
5535-00-853-2537	4	20	5310-00-897-5920	50	37
5310-00-813-9335	29	8	5340-00-897-5928	30	2
5310-00-853-9335	44	3	2590-00-897-6049	48	1
4130-00-854-6931	30	1	9905-00-897-6055	79	3
5305-00-855-0956 5305-00-855-0957	53 72	85 7	9905-00-897-6055 5310-00-903-3993	79 27	3 10
5305-00-855-0957	72	8	5320-00-903-5543	60	48
5305-00-855-0960	4	18	5310-00-903-8282	52	6
5305-00-655-0964	7	10	5315-00-904-7407	46	3
5305-00-855-0S64	7	10	5315-00-904-1407	47	9
5305-00-8s5-0064 5305-00-855-0964	13 15	8 4	5310-00-905-0762 5975-00-905-1498	19 4	17 9
5305-00-855-0964	54	50	9905-00-905-4470	73	7
5305-00-855-0964	69	6	6220-00-906-0159	8	3
5305-00-855-0964	87	13	4730-00-908-3194	31	3
5305-00-855-0967 5305-00-885-0967	14 56	9 51	4730-00-908-3194 2540-00-910-8212	83 61	2 51
5305-00-885-0967	66	11	2540-00-910-8213	56	33
5305-00-855-0967	66	11	2540-00-910-8213	61	51
2590-00-856-1950			5340-00-910-9639	61	58
2590-00-856-1950	49	1	5340-00-912-4087		
2590-00-885-1952 2590-00-856-1952	47	11	5340-00-912-4087 5340-00-912-4088		
2540-00-856-1954	71	""	5305-00-915-8087	43	3
2540-00-856-1954			5305-00-915-8087	66	4
2540-00-856-1554			4030-00-916-2141	42	14
2540-00-856-1955 2540-00-856-1956			5340-00-916-6539 5340-00-916-6539	66 66	2? 22
4710-00-861-1404	30	5	5935-00-918-4176	3	2
4710-00-861-1405	30	5	5330-00-918-4183	81	17
6210-00-863-0686	3	26	2540-00-918-4184	54	27
5315-00-866-2673	54	18	2540-00-918-4184	55	15
5315-00-866-2613 5315-00-868-2673	54 55	18 5	2540-00-918-4184 2540-00-918-4184	56 57	8 11
5315-00-866-2673	57	1	2540-00-918-4184	58	21
5315-00-866-2673	58	29	2540-00-918-4184	59	41
5315-00-866-2673	58	29	2540-00-918-4184	60	14
5315-00-868-2673	59 60	49 22	2540-00-918-4184 2540-00-918-4184	61 64	27 11
5315-00-866-2673 5315-00-866-2673	64	1	2540-00-918-4191	66	12
5940-00-867-5245	8	6	2540-00-918-4191	66	12
5930-00-868-4221	2	84	2540-00-918-4191	66	12
5930-00-868-4221	5	7	2540-00-918-4194	55 50	22
2540-00-868-5660 2540-00-868-5661			2540-00-918-4194 2540-00-918-4194	56 58	27 33
5330-00-878-1726	68	19	2540-00-988-4194	58	33
5975-00-878-4865	5	22	2540-00-918-4194	59	24
5310-00-880-2004	40	9	5935-00-918-4205	4	16
5310-00-880-7744 5310-00-880-7744	6	18 51	5305-00-919-5070	54 54	9
5310-00-880-7744 5310-00-880-7744	48 49	51 15	5305-00-919-5070 5305-00-919-5070	54 59	9 14
5310-00-880-7744	66	1	5305-00-919-5070	60	36
5380-00-880-7745	50	19	5305-00-919-5070	61	2
5310-00-880-7745	5	33	5305-00-919-5070	62	2
5310-00-880-7746	50	15	5305-00-919-5070	63	3

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-00-919-5070	64	43	5305-00-958-4351	1	14
5305-00-919-5070	67	7	5305-00-958-4357	85	6
2590-00-920-7547 4730-00-921-3241	24 34	1 8	5305-00-958-5246 5305-00-958-5246	7 7	2 2
4730-00-921-3241	35	30	5305-00-958-5246	7	2
5930-00-921-7001	2	2	5310-00-959-7600	84	15
6685-00-924-2288 5310-00-924-4218	1 28	9 14	5305-00-964-0564 5305-00-964-0589	33 81	28 10
5310-00-926-5916	50	25	5305-00-364-5337	13	8
9905-00-927-9391	75 75	5	2540-00-964-6034	_	
9905-00-927-9392 5305-00-928-9636	75 51	6 5	5975-00-965-8334 2530-00-973-2355	5 27	23 7
5210-00-929-8374	72	4	2530-00-973-2356	27	7
5340-00-929-8372	66	7	5340-00-977-0815	33	27
5340-00-929-8372 5340-00-929-8372	66 66	1 1	5340-00-977-0885 5340-00-977-0875	34 35	17 21
5365-00-929-8373	56	54	5320-00-982-3815	33	3
5365-00-929-8373	59	8	5320-00-982-3815	34	30
5365-00-929-8173	60 66	42	5320-00-992-3815	35 38	34 15
5305-00-929-9218 5305-00-929-9218	66	18 17	5320-00-982-3815 5320-00-982-3815	39	14
5305-00-929-9218	66	17	5320-00-962-3815	72	7
5330-00-530-0016	11	5	5320-00-982-3815	79	7
9320-00-530-9798 9320-00-030-9798	66 68	27 2	5310-00-982-4908 5305-00-984-6195	40 2	18 16
5340-00-931-8180	55	22	5305-00-984-6210	16	21
5340-00-931-8180	56	21	5305-00-984-6210	16	21
5340-00-931-8180 5340-00-931-8180	58 59	33 24	5305-00-984-6210 5305-00-984-6210	19 19	25 25
5310-00-931-8180	66	19	5305-00-984-6210	68	18
5310-00-934-9751	66	19	5305-00-984-6210	68	37
5310-00-934-9757	2	8	5305-00-984-7342	6	8
5310-00-934-9758 5310-00-934-9758	16 16	18 18	2530-00-987-2565 5305-00-988-1170	28 2	5 13
5310-00-934-9758	16	18	5305-00-988-1723	40	21
5310-00-934-9758	16	18	5305-00-988-1725	16	21
5310-00-934-9758 2920-00-939-7089	19 24	23 7	5305-00-988-1725 5305-00-988-1725	16 33	21 13
5330-00-939-7111	53	9	5305-00-988-1725	38	13
5330-00-939-7111	54	62	5305-00-988-1725	39	21
5330-00-939-7111 5330-00-939-7111	54 55	62 4	5305-00-988-9265 5305-00-988-9265	2 2	13 13
5330-00-939-7111	56	42	5305-00-989-7435	86	10
5330-00-939-7111	57	24	2540-00-990-0499	51	2
5330-00-939-7111 5330-00-939-7111	58 59	6 17	5310-00-990-5322 7530-00-991-4342	51 28	23 5
5330-00-939-7111	60	32	5305-00-993-1851	66	21
5330-00-939-7111	61	45	5305-00-993-1851	66	21
5330-00-939-7111	62 63	23 41	5306-00-993-6257	54 54	49 48
5330-00-939-7111 5330-00-939-7111	64	24	5306-00-993-6257 5306-00-993-6257	55 55	46 27
5310-00-941-6019	72	6	5306-00-993-6257	56	32
5305-00-942-2196	33	39	5306-00-993-6257	57	35
5305-00-942-2196 5305-00-942-2196	44 65	5 9	5306-00-993-6257 5306-00-993-6257	58 59	38 29
5305-00-942-2196	65	9	5306-00-993-6257	60	31
5305-00-942-2196	65	9	5306-00-993-6257	61	57
5305-00-942-2196 3110-00-943-6813	65 50	9 12	5306-00-993-6257 1440-00-994-8975	64 29	40 13
7240-00-944-2342	13	2	9905-00-999-7369	33	5
2540-00-946-8369			9905-00-999-7369	34	31
2530-00-946-8370 2530-00-946-8370	33 34	41 25	9905-00-999-7369 9905-00-999-7369	35 38	35 17
2530-00-946-8370	35	4	9905-00-999-7369	39	15
2540-00-946-8477			9905-00-999-7369	79	6
5310-00-952-3566 5310-00-952-3566	65 65	10 7	9905-00-999-7370 9905-00-999-7370	33 34	4 34
5310-00-952-3566	65	10	9905-00-999-7370	35	38
5310-00-952-3566	65	10	9905-00-999-7370	38	16
5310-00-952-3632 5310-00-053-3633	60	43 3	9905-00-999-7310	39 79	16 8
5310-00-952-3632 5310-00-952-3632	62 67	6	9905-00-999-7370 2540-00-999-9451	79 55	9
5310-00-952-3632	84	5	2540-00-999-9451	56	4
5305-00-954-4603 5305-00-054-4603	65 65	3	2540-00-999-9451 3540-00-000-0454	58	17 27
5305-00-954-4603 5320-00-957-1428	65 6	3 16	2540-00-999-9451 2540-00-999-9451	59 61	37 23
5315-00-957-7544	26	23	6220-00-003-2497	12	7
5305-00-958-0611	56	22	6220-00-003-2497	12	1
5305-00-958-0611 5305-00-958-0611	57 61	16 33	5935-00-012-3080 5935-00-013-3757	4 5	7 19
30 000 00	01	00	3333 33 3.3 3.31	Ü	

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
4120-01-014-4915	33	9	5340-01-034-3852	54	12
4720-01-014-4915	35	1	5340-01-034-3852	64	46
4720-01-014-4915	3S	7	2540-01-035-0169	54	39
5935-01-017-3290 5975-01-018-9759	4 5	5 13	2540-01-035-0169 2540-01-035-0169	54 58	39 9
5975-01-020-5017	4	6	2540-01-035-0169	60	2
5975-01-020-5017	5	24	2540-01-035-0169	64	21
2540-01-023-5116 2540-01-024-3622	42 42	8 7	2510-01-035-0734 2510-01-035-8698	54 54	49 49
5320-01-028-4855	72	7	4710-01-036-1238	30	49
5320-01-028-4855	86	5	5920-01-036-5952	5	34
2810-01-028-4882	54	1	2510-01-037-4973	54	10
2510-08-028-4882 4730-01-029-2738	54 83	1 15	2510-01-037-4973 2510-01-037-4913	54 64	10 44
5950-01-029-6458	1	12	5320-01-037-6819	81	5
6625-01-029-8364	1	1	5320-01-037-6819	84	6
6625-01-030-2089	1	2	2590-01-038-1507	5.4	
2510-01-030-2423 2510-01-030-2423	54 54	10 10	5340-01-038-5287 5340-01-038-5287	54 54	8 8
2510-01-030-2423	64	44	5340-01-038-5287	64	54
5340-01-030-2844	6	14	5325-01-039-4574	16	17
5925-01-030-2959	1	18	5325-01-039-4574	38	5
5925-01-030-2960 5925-01-030-2960	1	13 11	5325-01-039-4574 4120-01-040-0592	39 35	17 9
5535-01-030-5043	5	15	5340-01-040-7362	54	14
5935-01-030-5043	5	16	5340-01-040-7362	54	14
5935-01-030-6240 5330-04-030-0007	1	6 2	5340-01-040-7362	64 54	52 34
5320-01-030-9997 2510-01-031-0063	65 54	35	2510-01-041-0680 2510-01-041-0680	58 58	14
2510-01-038-0063	54	35	2510-01-041-0680	60	7
2510-01-031-0063	58	12	2510-01-041-0680	64	17
2510-01-031-0063	60	5	2510-01-041-0695	54	49
2510-01-031-0063 2510-01-031-4455	64	18	5180-01-042-3394 2590-01-043-7892		
5670-01-031-5060	58	39	9905-01-043-8002	79	4
5670-01-031-5060	64	31	9905-01-043-8002	79	4
2540-01-031-6317 2540-01-031-6347	65 65	12 12	9905-01-043-8003 9905-01-043-8003	79 79	5 5
2540-01-031-6307	65	12	6220-01-043-8025	14	1
5325-01-031-8998	6	6	6210-01-044-4064	13	1
5325-01-031-8998	54	6	5310-01-044-8360	54	11
5325-01-031-8998 5325-01-031-8998	54 61	6 18	5310-01-044-8360 5310-01-044-8360	54 63	1 4
5225-01-031-8998	62	5	5310-01-044-8360	64	45
5325-01-031-8998	63	6	2540-01-044-8745	63	17
5325-01-031-8998	64	56	2540-01-044-8748	63	17
5325-01-031-8998 5325-01-031-8998	67 67	9 34	2540-01-044-8928 2540-01-044-8929	63 65	34 1
5325-01-031-8998	68	6	2540-01-045-5630	56	48
5325-01-031-8998	68	23	2540-01-045-5630	59	2
5325-01-031-8998 5325-01-031-8998	70 71	19 41	2540-01-045-5630 5315-01-045-6509	60 54	37 32
4710-01-031-9990	30	5	5315-01-045-6509	58 58	16
5340-01-032-6011	54	20	5315-01-045-6509	60	9
5340-01-032-6011	54	20	2540-01-046-0367	66	6
5340-01-032-6011 5340-01-032-6011	58 60	27 20	2530-01-046-4695 2590-01-046-4882	44 46	14 1
5340-01-032-0011	64	3	2540-01-046-9404	54	24
4730-01-032-6038	35	10	2540-01-046-9404	54	24
9905-01-032-7307	75 75	2	2540-01-046-9404	55	9
9905-01-032-1308 2540-01-032-7419	75 66	3 6	2510-01-047-5404 2530-01-047-5405	63 63	13 13
2590-01-033-0703	49	16	2510-01-047-5406	60	46
5340-01-033-3446	54	43	5340-01-048-6634	67	30
5340-01-033-3446	54	43	5340-01-048-6635	67	29
5340-01-033-3446 5306-01-033-4358	55 54	22 48	2510-01-049-2969 5365-01-049-4399	54 60	49 44
5306-01-033-4358	54	48	2540-01-049-5162	54	59
5306-01-033-4358	58	38	2540-01-049-6350		
5306-01-033-4358 5306-01-033-4358	59 61	29 57	2590-01-049-6758 2590-01-049-6759	46 46	10 4
5306-01-033-4358 2510-01-034-1258	61 54	57 49	2590-01-049-6759 2590-01-049-6760	46 46	4
5306-01-034-3000	48	50	2540-01-049-8001	54	24
5306-01-034-3000	49	13	2540-01-049-8001	54	24
5340-01-034-3072 5340-01-034-3072	54 54	63 63	2540-01-049-8001 2540-01-049-8001	60 64	10 7
5340-01-034-3072 5340-01-034-3072	54 58	63 5	2540-01-049-8001 2590-01-049-8907	64 46	1
5340-01-034-3072	54	15	5320-01-049-9230	54	53
5306-01-034-3418	66	3	5340-01-049-9478	63	39
5340-01-034-3852	54	12	5305-01-050-1480	56	18

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-01-050-1480	57	18	2510-01-092-4051	38	6
5305-01-050-1480	61	42	2510-01-092-4051	39	11
5325-01-050-1586 5325-01-050-1586	16 16	17 17	7510-01-092-4058 2540-01-092-4052	52 51	9 20
5325-01-050-1586	33	16	2540-01-092-4053	51	17
5325-01-050-1586	33	16	2540-01-092-4054	51	15
4130-01-050-3498 2530-01-050-5793	33 48	51 23	2540-01-092-4055 2510-01-092-4059	51 50	15 84
5365-01-050-7925	56	55	5935-01-092-4121	24	13
5365-01-050-7925	59	9	3040-01-092-4125	44	2
2590-01-051-1677 5365-01-051-8631	14 72	7 2	2540-01-092-4133 5340-01-092-4139	44 65	10 12
2540-01-052-6234	12	-	2530-01-092-6385	51	18
3040-01-052-8236	48	17	2530-01-092-6386	51	19
2590-01-052-9037 2590-01-053-0482	46 48	1 19	1670-01-092-9236 2510-01-092-9821	65	1
5310-01-053-1444	33	17	2540-01-093-0560	52	7
5310-01-053-1444	38	20	2590-01-093-0661	47	5
5310-01-053-1444 5210-01-053-3357	35 72	2 4	2590-01-093-4155 2590-01-093-4289	48 48	27 1
2590-01-053-5140	48	47	6220-01-093-4439	10	1
2590-01-054-0260	48	19	2540-01-094-9002	60	40
9905-01-054-0272 5330-01-054-4007	77 60	4 52	2540-01-094-9004 9905-01-094-9011	60 73	51 2
5330-01-054-4008	56	49	9905-01-094-9012	73 74	3
5330-01-054-4008	99	3	5315-01-096-3205	56	12
5330-01-054-4008	60	38	9315-01-096-3205	57	5
2510-01-051-5194 2590-01-005-5416	48 46	48 1	5315-01-096-3205 5315-01-096-3205	61 63	31 35
2510-01-056-6086	48	48	2590-01-096-3307	49	17
2510-01-058-6086	48	48	5340-01-096-7556	44	15
4010-01-058-4774 4010-01-059-2093	54 46	56 11	6220-01-097-8409 5340-01-097-9602	13 63	1 8
5340-08-088-8785	.0	••	5975-01-098-0277	3	9
5340-01-061-1785			5975-01-098-0278	3	25
5340-01-061-1785 2540-08-061-2331	55	9	2540-01-098-1931 2540-01-098-1932	57 61	7 19
2540-01-061-2331	56	4	2540-01-098-1933	58	17
2540-01-061-2331	58	17	2540-01-098-1934	62	30
2540-01-061-2331 2540-01-061-2331	58 59	17 37	2590-01-098-1935 2540-01-098-1936	64	7
2540-01-061-2331	59	37	2540-01-098-1937	67	23
2540-01-061-2331	61	23	2540-01-098-1938	67	3
5935-01-062-5625 4010-01-074-5029	5 43	28 11	9905-01-098-2009 9905-01-098-2010	16 76	2
2510-01-074-6764	60	35	9905-01-098-2011	13	3
5306-00-078-3958	50	34	9905-01-098-2012	73	4
5365-01-079-2267 4130-08-079-8821	50 35	16 2	9905-01-098-2013 9905-01-098-2014	76 77	5 2
4730-01-079-8821	39	6	9905-01-098-2015	77	3
5340-01-083-5527	33	27	9905-01-098-2016	73	5
5340-01-083-5527 5340-01-083-5527	34 35	19 21	9905-01-098-2018 3010-01-098-2052	85 58	8 13
2530-01-083-5600	25	2	3010-01-098-2052	64	14
4710-01-083-5636	30	5	3010-01-098-2053	58	12
2530-01-083-5418 2590-01-087-6292	29 49	12 9	3010-01-098-2053 3010-01-098-2053	58 59	12 34
2400-01-087-6980	45	3	3010-01-098-2053	59	34
2590-01-087-8833	49	11	3010-01-098-2054	58	13
2590-01-087-8634 2590-01-088-5903	49 49	11 10	3010-01-098-2054 3010-01-098-2054	58 59	13 35
2540-01-088-5905	54	31	3010-01-098-2054	59	35
2540-01-088-5905	54	31	4140-01-098-2059	86	6
2540-01-088-5905 2530-01-089-9132	60 26	6 3	2540-01-098-5106 2540-01-098-5147		
2540-01-089-9133	65	15	2540-01-098-6738	59	11
5340-01-085-9111	66	23	2540-01-098-6739		
5340-01-089-9172 5340-01-089-9172	66 66	24 24	2540-01-098-6786 2540-01-098-6787		
5340-01-089-9173	66	24	5340-01-098-6797	82	81
2540-01-091-7621	62	27	5340-01-098-6798	82	11
2540-01-091-7621 2590-01-091-7622	66 47	13 6	5340-01-099-0086 5340-01-099-1670	63 72	19 5
2590-01-091-7622 2510-01-091-7623	47 65	1	5340-01-099-1670	63	5 19
2540-01-091-1624	65	16	5340-01-099-8107	63	11
2540-01-091-7629 2510-01-092-4046	65 44	82 12	2540-01-100-3744 2590-01-100-3745	62 62	38 31
2510-01-092-4046 2590-01-092-4047	44	58	9905-01-100-3745	62 74	6
2590-01-092-4047	49	6	5306-01-100-6256	51	6
2510-01-092-4050	51	14	2540-01-101-8356	67	3

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
2540-01-101-8451			5935-01-112-8716	3	14
4730-01-102-3704	35	78	5320-01-112-8727	69	20
4730-01-102-3704	39	8	5320-01-113-9895	53	6
2590-01-102-9031	49	17	5320-01-113-9895	58	43
5310-01-102-9862	83	6	5320-01-113-9895	64	29
5340-01-103-1553	61	5	5320-01-113-9895	71	78
5340-01-103-1554	6	7	5340-01-114-0131	63	81
5340-01-103-1555	67	10	5340-01-117-6445	57	29
5340-01-103-1556	62	18	5325-01-117-7453	69	17
5340-01-103-1557	62	10	5325-01-117-7453	71	6
5340-01-103-1558	62	18	5307-01-118-6021	44	1
5330-01-103-1993	86	12	3040-01-120-4087	64	15
5340-01-103-3400	62	22	5925-01-120-9104	3	18
5365-01-103-3444	59	9	5330-01-120-9316	61	11
5330-01-103-5701	67	2	5330-01-120-9316	62	117
5305-01-103-5716	13	9	5330-01-120-9316	67	21
5340-01-103-8766	62	34	5330-01-120-9316	67	33
5307-01-104-5993	62	13	4010-01-121-8389	13	10
5307-01-104-5993	63	14	5310-01-122-4599	13	12
5306-01-104-9000	51	7	5340-01-122-5417	13	6
5330-01-105-2880	61	9	5325-01-123-4679	54	17
5330-01-105-2880	62	6	5325-01-123-4679	54	17
5330-01-105-2880	67	10	2590-01-124-5063		
5330-01-105-2880	67	25	5925-01-124-8483	3	17
5340-01-105-7137	81	18	5330-01-125-0939	71	3
2510-01-109-2582	45	1	5330-01-125-0940	71	45
9905-01-109-5870	85	1 <u>1</u>	5330-01-125-6276	70	5
9905-01-109-5871	85	.7	5340-01-126-1359	11	7
5975-01-111-0117	2	17	5340-01-126-1677	71	44
6210-01-111-0118	14	10	5330-01-126-9674	71	37
2540-01-111-5386	71	23	5330-01-127-4032	13	5
2540-01-111-5387	63	26	5305-01-127-4209	56	47
5340-01-111-5388	70	20	5305-01-127-4209	59	.1
2540-01-111-5448			5340-01-130-0150	58	44
5307-01-111-7083	44	4	5330-01-130-6348	13	4
5935-01-111-7615	3	13	5340-01-131-2303	72	5
5365-01-112-1179	72	2	4730-01-131-5951	34	7
5310-01-112-4372	69	9	5330-01-131-8176	56	39
5340-01-112-6388	58	27	5315-01-143-0639	59	28
5340-01-112-1388	58	27	2590-01-160-0731	49	17
5340-01-112-6388	59	47	2590-01-160-0732	49	17
5340-01-112-6388	59	47	4730-01-162-0623	52	5
5340-01-112-8196	63	8			

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
i ocivi	I AINT NOMBEN	140.	140.	I SCIVI	I AIXT NOMBER	140.	140.
							_
41947	A-11442	83	15	30086	EQ-P9412	1	3
07707	AD-42	67	24	30086	EQ-P9413	1	4
71400	AGC1A	5	33	30086	EQ-P9434	1	6
88044	AN426A3-7	69	10	30086	ET-2714	1	11
88044	AN426A4-8	6	5	30086	ET-2718	1	10
88044	AN426A4-8	61	17	30086	ET-4746	1	13
88044	AN426A4-8	62	4	30086	ET-4746	3	19
88044	AN426A4-8	63	5	63477	FC12088	28	7
88044	AN426A4-8	67	8	81349	FHN26G1	5	34
88044	AN426A4-8	67	35	81349	FO2A250VSA	5	32
88044	AN910-4D	83	16	82370	F24		
78500	A1-3236M1261	29	12	82370	F24	41	2
03481	A25-380	65	10	63477	F56114	32	13
03481	A25-380	65	10	71400	HKP	5	34
03481	A25-380	65	10	80837	J-1166	48	15
03481	A25-380	65	10	03499	JC4-O	1	12
40670	B-34e6715	62	22	80837	J3727-6R-G	48	19
29666	BL-10-8	83	10	60532	MAC6V60	81	16
19422	BM11399-108	33	34	89020	MD524	1	16
19422	BM11399-108	34	11	81349	MIL-R-6130ATYPE	66	27
91929	BZ-7RQIT04	2	14	81349	MIL-R-6130ATYPE	68	2
19207	CPR102321-1	35	2	81349	MIL-W-3861	4	11
19207	CPR802321-1	39	6	81349	MILA52250	83	18
19207	CPR102321-4	35	10	81349	MILAS2767	82	5
19207	CPR104420-2	35	1	81348	MILC20696TYPE 2CLASS3	68	19
19207	CPR104420-2	39	7	81348	MILC20696 TYP2CL3	68	38
19207	CPRIC4420-3	35	9	96906	MS15001-1	4.2	4
81860	C2060-6	82	10	96906	MS15003-1	48	35
81860	C2090-6	81	15	96906	MS15570-1251		
30327	C606	33	9	96906	MS15570-1251	7	6
11419	D-8	3	1	96906	MS15570-1251	7	6
11419	D1	5	8	96906	MS15570-1251	7	6

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
96906	MS15570-1251	8	8	96906	MS20600AD4-4	70	21
96906	MS15570-1251	9	7	96906	MS20600AD4-4	71	7
96906	MS15570-1251	10	12	96906	MS20600AD4-4	71	29
96906 96906	MS15570-623 MS15570-623	10 12	5 7	96906 96906	MS20605AD4W5 MS20613-8P10	6 54	16 38
96906	MS16283-4	12	•	96906	MS20613-8P10	54	38
96906	MS16562-65	48	18	96906	MS20613-8P10	55	17
96906	MS16562-80	48	14	96906	MS20613-8P10	56	1
96906 96906	MS16624-1050 MS17169-12	42 48	5 20	96906 96906	MS20613-8P10 MS20613-8P10	58 58	8 8
96906	MS17109-12 MS17985-415	54	55	96906	MS20613-8F10	59	30
96906	MS17985-606	54	58	96906	MS20613-8P10	60	1
96906	MS18154-113	43	3	96906	MS20613-8P10	61	20
96906 96906	MS18154-113 MS18154-58	66 9	4 13	96906 96906	MS20613-8P10 MS20613-8P10	63 64	21 22
96906	MS18154-58	10	7	96906	MS21042-3	6	7
96906	MS18154-60	33	19	96906	MS21083N08	72	6
96906	MS18154-60	44	5	96906	MS21083N18	44	7
96906 96906	MS18154-60 MS18154-60	65 65	9 9	96906 96906	MS21083N4 MS21237-N08	52	6
96906	MS18154-60	65	9	96906	MS21245-12	44	8
96906	MS18154-60	65	9	96906	MSZ1313-103		
96906	MS19060-1013	50	12	96906	HS?1313-124		
96906	MS19081-112 MS19081-137	40 48	8 7	96906 96906	MS21313-161 MS21313-161		
96906 96906	MS20002-10	51	25	96906	MS21313-161 MS21313-162		
96906	MS20002-12	51	3	96906	MS21318-47	42	12
96906	MS20002-12	51	26	96906	MS21331-2	69	9
96906	MS20002-14	51	21	96906	MS21333-100	33	14
96906 96906	MS20066-231 MS20292-12C91	26 46	23 3	96906 96906	MS21333-100 MS21333-100	38 19	14 22
96906	MS20392-12C91	47	9	96906	MS21333-104	16	20
96906	MS20426A4-7	54	7	96906	MS21333-104	16	20
96906	MS20426A4-7	54	7	96906	MS21333-104	19	22
96906 96906	MS20426A4-7 MS20427-8C12	64 83	55 11	96906 96906	MSZ21919FIZ MS21919F12	16 16	20 20
96906	MS20470AD6-12	64	47	96906	MS21919F12	19	22
96906	MS2047CA4-2	69	20	96906	MS21919F12	19	22
96906	MS20470A4-3	70	13	96906	MS21919F12	24	4
96906 96906	MS20470A4-4 MS20470A4-4	69 70	22 81	96906 96906	MS21919F8 MS24617-47	24 56	4 17
96906	MS20470A4-4	71	11	96906	MS24617-47	61	41
96906	MS20470A4-5	78	13	96906	MS24625-43	13	8
96906	MS20470A4-5	71	32	96906	MS24625-63	56	18
96906 96906	MS20470A4-6 MS20470A4-6	68 68	5 24	96906 96906	MS24625-63 MS24625-63	57 61	18 42
96906	MS20470A4-6	70	10	96906	MS24627-30	62	28
96906	MS20470A4-6	71	38	96906	MS24627-35	56	50
96906	MS20470A5-12	72	3	96906	MS24627-35	59	4
96906 96906	MS20470A6-8 MS20470A6-10	71 69	12 2	96906 96906	MS24627-65 MS24627-66	63 63	40 38
96906	MS20470A6-12	68	9	96906	MS24627-66	65	17
9k906	MS20470A6-12	68	26	96906	MS24629-36	4	18
96906	MS20470A6-6	54	13	96906	MS24629-37	14	9
96906 96906	MS20470A6-6 MS20470A6-6	54 64	13 48	96906 96906	MS24629-37 MS24629-37	56 66	57 11
96906	MS20470A6-6	68	10	96906	MS24129-37	66	11
96906	MS20470A6-6	68	10	96906	MS24629-37	66	11
96906	MS20470A6-6	68	14	96906	MS24629-46	72	7
96906 96906	MS20470A6-6 MS20470A6-6	68 86	31 1	96906 96906	MS24629-46 MS24629-47	72 53	8 1
96906	MS2047066-7	54	15	96906	MS24629-48	7	10
96906	MS20470A6-7	54	15	96906	MS24629-48	7	10
96906	MS20470A6-7	62	9	96906	MS24629-48	13	8
96906 96906	MS20470A6-7 MS20470A6-7	63 64	10 49	96906 96906	MS24629-48 MS24629-48	15 54	4 50
96906	MS20470A6-7	61	13	96906	MS24629-48	69	6
96906	MS20470A6-8	61	3	96906	MS24629-48	82	13
96906	MS20470A6-8	62	8	96906	MS24629-50 MS24629-50	54	60
96906 96906	MS20470A6-8 M520470A6-8	62 63	8 12	96906 96906	MS24629-50 MS24629-50	54 54	60 60
96906	MS20470A6-8	67	11	96906	MS24629-50	58	3
96906	MS20470A6-8	67	15	96906	MS24629-50	59	16
96906 96906	MS20470A6-8 MS20470A6-8	67 68	27 28	96906 96906	MS24629-50 M524629-50	61 64	60 25
96906	MS20470A6-8 MS20470A6-8	86	28	96906	MS24629-50	69	25 14
96906	MS20470A8-9	63	9	96906	MS24629-61	54	22
96906	MS20470A8-9	67	11	96906	MS24629-61	54	22
96906 96906	MS20600AD4-4 MS20600AD4-4	6 14	15 4	96906 96906	MS24629-70 MS24629-70	54 54	2 2
96906	MS20600AD4-4 MS20600AD4-4	69	18	96906	MS24629-70 MS24629-70	54 54	60
					<del>-</del>	0.	

		FIGURE	ITEM			FIGURE	ITEM
FSCM	PART NUMBER	NO.	NO.	FSCM	PART NUMBER	NO.	NO.
96906	MS24662-13	60	48	96906	MS35190-289	7	2
96906 96906	MS24662-153 MS24662-153	33 34	3 30	96906 96906	MS35191-274 MS35202-55	6 60	8 39
96906	MS24662-153	35	34	96906	MS35202-33 MS35206-242	9	8
96906	MS24662-153	38	15	96906	MS35706-247	2	16
96906	MS24662-153	39	14	96906	MS35206-263	16	21
96906	MS24662-153	72	7	96906	MS35206-263	16	21
96906	MS24662-153	79	7	96906	MS35206-263	19	25
96906	MS24662-155	54	54	96906	MS35206-263	19	25
96906	MS24662-155	59	10	96906	MS35206-263	68	18
96906	MS24662-155	60	45	96906	MS35206-263	68	37
96906 96906	MS24662-156	54 53	53 13	96906 96906	MS35206-279 MS35206-281	40 16	21 21
96906	MS24662-162 MS24662-204	72	7	96906	MS35206-261 MS35206-281	16	21
96906	MS24662-204	86	, 5	96906	MS35206-281	33	13
96906	MS24662-25	53	6	96906	MS35206-281	38	13
96906	MS24662-25	58	43	96906	MS35206-281	39	21
96906	MS24662-25	64	29	96906	MS35206-284	2	
96906	MS24662-25	71	28	96906	MS35206-286	2	
96906	MS24662-57	84	2	96906	MS35206-286	2	
96906	MS24665-285	56	11	96906	MS35207-241	85	9
96906 96906	MS24665-285 MS24665-285	57 61	6 30	96906 96906	MS35207-242 MS35207-242	1 85	14 6
96906	MS24665-285	63	36	96906	MS35207-242 MS35207-264	86	10
96906	MS24665-357	43	6	96906	MS35207-267	66	21
96906	MS24665-359	66	18	96906	MS35207-267	66	21
96906	MS24665-359	66	88	96906	MS35207-309	56	22
96906	MS24665-359	66	18	96906	MS35207-309	57	16
96906	MS24665-421	46	7	96906	MS35207-309	61	33
96906	MS24665-421	47	2	96906	MS35218-84	65	3
96906	MS24665-425	46	6	96906	MS35218-84	65	3
96906	MS24665-425	47	8	96906	MS35291-061	66	4
96906 96906	MS24665-628 MS24667-52	42 44	13	96906 96906	MS35308-364 MS35333-38	27 7	11 9
96906	MS25002-3	85	10	96906	MS35333-38	56	56
96906	MS250043-22D	4	21	96906	MS35333-39	7	9
96906	MS25224-1	5	11	96906	MS35333-39	7	9
96906	MS27039-812	72	3	96906	MS35333-39	86	11
96906	MS27148-2	2	5	96906	MS35333-40	2	12
96906	MS27148-2	9	10	96906	MS35333-40	2	
96906	MS27148-2	10	10	96906	MS35333-40	16	89
96906	MS27148-2	16	11	96906	MS35333-40	16	19
96906	MS27148-2	18	12 17	96906	MS35333-40	33	12
96906 96906	MS27148-2 MS27148-2	18 19	17	96906 96906	MS35333-40 MS35333-40	38 39	12 20
96906	MS27146-2 MS27148-2	20	8	96906	MS35333-40	29	9
96906	MS27148-2	20	85	96906	MS35333-42	56	21
96906	MS27148-2	20	21	96906	MS35333-42	51	15
96906	MS27148-2	21	5	96906	MS35333-42	61	34
96906	MS27148-2	21	12	96906	MS35333-49	33	50
96906	MS27148-2	23	4	96906	MS35335-28	28	16
96906	MS27148-2	23	15	96906	MS35335-31	67	4
96906	MS27183-10	19	19	96906	MS35135-35	29	3
96906	MS27183-14	40	17	96906	MS35335-36	27	9
96906 96906	MS27183-14 MS27183-14	66 86	8 8	96906 96906	MS35338-42 MS35338-42	1 2	15 9
96906	MS27183-16	43	2	96906	MS35338-42	4	19
96906	MS27183-17	43	2	96906	MS35338-42	9	9
96906	MS27183-18	56	37	96906	MS35338-42	61	15
96906	MS27183-18	61	54	96906	MS35338-42	85	4
96906	MS27183-23	46	8	96906	MS35338-43	18	2
96906	MS27183-23	47	3	96906	MS35338-43	16	19
96906	M527183-23	51	8	96906	MS35338-43	16	89
96906	M527183-27	46	5	96906	MS35338-43	16	89
96906 96906	MS27183-27 MS27183-27	47 70	7 3	96906 96906	MS35338-43 MS35338-43	19 24	24 5
96906	MS27183-8	70 54	51	96906	MS35338-43	53	16
96906	MS3100R20-7P	3	5	96906	MS35338-43	54	64
96906	MS3100R22-22S	4	20	96906	MS35338-43	54	64
96906	MS31016R22-14P	24	9	96906	MS35338-43	58	4
96906	MS31016R22-14S	24	8	96906	MS35338-43	61	61
96906	MS3106R22-22SC	3	20	96906	MS35338-43	66	20
96906	MS3106R18-1P	3	23	96906	MS35338-43	66	20
96906	MS3106R20-7S	3	21	96906	MS35338-43	68	17
96906	MS3106R32-17S	3	22	96906	MS35338-43	68	36
96906	MS3106R22-22P	24	3	96906	MS35338-43	69	15
96906	MS3108R22-22SC	24	2	96906	MS35338-43	82	84
96906	MS35140-16	16	20	96906	MS35338-44	19	18
96906 96906	MS35190-289 MS35190-289	7 7	2 2	96906 96906	MS35338-44 MS35338-44	28 28	4 10
30300	WOOD 100-205	,	2	30300	WI00000-14	20	10

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
96906 96906	MS35338-44 MS35338-44	33 40	21 20	96906 96906	MS35338-48 MS35338-48	43 45	2 5
96906	MS35338-44	52	3	96906	MS35138-48	48	36
96906	MS35338-44	54	23	96906	MS35338-48	48	45
96906	MS35338-44	54	23	96906	MS35338-48	48	45
96906	MS35338-44	55	8	96906	MS35338-48	49	8
96906 96906	MS35338-44 MS35338-44	56 57	14 4	96906 96906	MS35338-48 MS35338-48	51 57	12 32
96906	MS35338-44	58	24	96906	MS35338-48	66	5
96906	MS35338-44	58	24	96906	MS35338-48	66	16
96906	MS35338-44	59	44	96906	MS35338-48	81	7
96906	MS35338-44	60	17	96906	MS35338-48	81	9
96906 96906	MS35338-44 MS35338-44	60 61	49 36	96906 96906	MS35338-51 MS35338-51	42 50	11 36
96906	MS35338-44	63	25	96906	MS35338-51	51	9
96906	MS35338-44	64	6	96906	MS35338-52	26	14
96906	MS35338-44	65	11	96906	MS35338-53	50	42
96906 96906	MS35338-44 MS35338-44	65 65	11 11	96906 96906	MS35340-51 MS35340-51	50 50	3 39
96906	MS35338-44	65	11	96906	MS35340-51	66	16
96906	MS35338-44	71	40	96906	M353540-51	66	16
96906	MS35238-44	81	4	96906	MS35387-1	72	
96906 96906	MS53538-44 MS35338-44	81 82	12 8	96906 96906	MS35387-1 MS35387-2	72 72	9 9
96906	MS35338-44	84	3	96906	MS35387-2	72	
96906	MS35338-44	84	16	96906	MS35420-8	7	11
96906	MS35338-45	6	19	96906	MS35420-2	7	11
96906	MS35238-45	8	14	96906	MS35421-1	7	4
96906 96906	MS35338-45 MS35338-45	26 32	21 2	96906 96906	MS35421-8 MS35421-2	7 7	4 4
96906	MS35338-45	50	7	96906	MS35421-2	7	4
96906	MS35338-45	65	2	96906	MS35423-1	7	1
96906	MS35338-45	65	2	96906	MS35423-1	7	1
96906 96906	MS35338-45 MS35338-45	66 81	2 20	96906 96906	MS35423-2 MS35423-2	7 7	1 1
96906	MS35338-46	9	14	96906	MS35424-1	7	1
96906	MS35338-46	10	6	96906	MS35424-2	7	1
96906	MS35338-46	15	5	96906	MS35425-37	70	7
96906	MS35338-46	30	7	96906	MS35425-37	71	25
96906 96906	MS35238-46 MS35338-46	31 33	8 29	96906 96906	MS35425-39 MS35425-39	61 62	13 19
96906	MS35338-46	33	38	96906	MS35425-39	63	20
96906	MS35338-46	34	22	96906	M535425-39	67	20
96906	MS35338-46	35	24	96906	M535425-39	70	22 52
96906 96906	MS35338-46 MS35338-46	36 37	10 3	96906 96906	MS35425-41 MS35425-41	48 49	52 14
96906	MS35338-46	43	12	96906	MS35426-13	69	8
96906	MS35338-46	44	6	96906	MS35436-6	24	12
96906	MS35338-46	48	56	96906	MS35436-6	24	15
96906 96906	MS35338-46 MS35338-46	49 54	4 28	96906 96906	MS35438-8 MS35478-1073	23	5
96906	MS35338-46	54	41	96906	MS35478-1073	11	4
96906	MS35338-46	54	41	96906	MS35478-1683		
96906	MS35338-46	55	11	96906	MS35478-1683	9	
96906 96906	MS35338-46 MS35338-46	55 56	20 9	96906 96906	MS35478-1683 MS35478-1683	10 12	4 7
96906	MS35338-46	56	25	96906	MS35478-1683	12	7
96906	MS35338-46	57	12	96906	MS35489-102	33	
96906	MS35338-46	57	27	96906	MS35489-105	34	29
96906 96906	MS35318-46 MS35338-46	58 58	22 31	96906 96906	MS35489-105 MS35489-105	35 39	33 18
96906	MS35330-46	58	31	96906	M535489-109	16	17
96906	MS35338-46	59	22	96906	MS35489-15	16	17
96906	MS35338-46	59	42	96906	MS35489-15	16	17
96906	MS35338-46	60 60	15 24	96906	MS35489-15	16 19	17
96906 96906	MS35338-46 MS35338-46	61	28	96906 96906	MS35489-15 MS35489-51	16	16 17
96906	MS35338-46	61	49	96906	MS35489-51	16	17
96906	MS35338-46	63	32	96906	MS35489-51	16	17
96906	MS35338-46	64	13	96906	MS35489-51	16	17
96906 96906	MS35338-46 MS35338-46	64 65	33 5	96906 96906	MS35489-51 MS35489-71	19 16	16 17
96906	MS35338-46	65	5	96906	MS35489-72	33	44
96906	MS35338-46	65	5	96906	MS35489-80	16	17
96906	MS35338-46	65	5	96906	MS35489-80	16	17
96906 96906	M535338-46 MS53338-46	66 66	5 9	96906 96906	MS35489-80 MS35489-80	16 19	17 16
96906	MS35338-46	66	9	96906	MS35490-61	33	10
96906	MS35338-46	66	9	96906	MS35490-61	33	10
96906	MS35338-47	82	2	96906	MS35490-61	33	10'

		FIGURE	ITEM			FIGURE	ITEM
<b>FSCM</b>	PART NUMBER	NO.	NO.	<b>FSCM</b>	<b>PART NUMBER</b>	NO.	NO.
96906 96906	MS35490-61 MS35490-61	33 38	10 5	96906 96906	MS35917-5 MS39171-7	83 34	3 9
96906	MS35647-3	30	3	96906	MS39179-2	35	29
96906 96906	MS35647-3 MS35647-3			96906 96906	MS39179-2 MS39879-2	38 39	7 9
96906	MS35649-202	16	18	96906	MS39179-5	33	6
96906 96906	MS35649-202 MS35649-202	16 16	18 18	96906 96906	MS39179-5 MS39179-5	33 34	48 3
96S06	MS35649-202	16	18	96906	MS39179-5	35	8
96906 96906	MS35649-202 MS35649-82	19 2	23 8	96906 96906	MS39179-5 MS39179-5	38 39	1 5
96906	MS35650-302	66	19	96906	MS39179-7	35	20
96906 96906	MS35650-302 MS35671-64	66 48	19 12	96906 96906	MS39182-3 MS39182-3	33 35	8 31
96S06	MS35677-46	54	36	96906	MS39182-6	35	7
96906 96906	MS35677-46 MS35677-46	54 58	36 11	14397 30327	MS39187-2 MS39187-2	33 38	14 17
96906	MS35677-46	58	11	96906	MS39188-1	34	8
96906 96906	MS35677-46 MS35677-46	59 59	33 33	96906 96906	MS39188-1 MS39185-2	35 33	30 18
96906	MS35677-46	60	4	96906	MS39188-2	34	2
96906 96906	MS35677-46 MS35677-48	64 54	19 18	96906 96906	MS39188-2 MS39188-3	35 35	32 11
96906	MS35677-48	54	18	96906	MS39190-3	38	9
96906 96906	MS35677-48 MS35677-48	55 51	5 1	96906 96906	MS39190-3 MS39190-5	39 34	24 7
96906	MS35677-48	58	29	96906	MS39231-4	33	33
96906 96906	MS35677-48 MS35677-48	58 59	29 49	96906 96906	MS39231-4 MS39231-4	34 35	14 17
96906	MS35677-48	60	22	96906	MS39231-4	39	13
96906	MS35677-48	64	1	96906	MS39232-2	34	6
96906 96906	MS35677-49 MS35677-49	54 58	33 15	96906 96906	MS39733-4 MS39233-4	33 34	46 33
96906	MS35677-49	59	36	96906	MS39233-4	35	36
96906 96906	MS35677-49 MS35677-49	59 60	36 8	96906 96906	MS51095-372 MS51095-416	33 81	28 10
96906	MS35677-49	64	16	96906	MS51806-463	66	17
96906 96906	MS35691-13 MS35691-13	29 44	8	96906 96906	MS51106-463 MS51106-463	66 66	17 17
96906	MS35692-77	33	49	96906	MS51302-1	8	1
96906 96906	MS35692-33 MS35692-94	48 42	28 2	96906 96906	MS51335-1 MS51335-1	42 42	1 11
96906	MS35692-94	48	28	96906	MS51375-1		
96906 96906	MS35743-91 MS35746-1	50 33	31 1	96906 96906	MS51375-1 MS51377-1	41	4
96906	MS35746-1	33	32	96906	MS51377-1	41	3
96906 96906	MS35746-1 MS35746-1	34 35	15 16	96906 96906	MS51811-4 MS51811-4	34 38	24 3
96906	MS35746-1	38	18	96906	MS51845-7	71	8
96906 96906	MS35746-1 MS35751-71	39 54	1 42	96906 96906	MS51846-58 MS51861-15	83 53	17 10
96906	MS35751-71	54	42	96906	MS51861-15	58	40
96906 96906	MS35751-71 MS35751-71	55 56	21 26	96906 96906	MS51868-25 MS51661-25	73 73	1 1
96906	MS35751-71	58	30	96906	MS51861-25	73	1
96906 96906	MS35751-71 MS35751-71	58 59	30 23	96906 96906	MS51861-25 MS51861-25	74 75	1 4
96906	MS35751-71	60	23	96906	MS51861-25	71	2
96906	MS35751-71	64	34 9	96906	MS51861-25	78 2	2
96906 96906	MS35751-71 MS35751-77	86 54	48	96906 96906	MS51861-27 MS51861-36	61	14
96906	MS35751-77	54	48	96906	MS51861-36	67	5
96906 96906	MS35751-77 MS35751-77	55 56	27 32	96906 96906	MS51861-37 M551861-37	7 62	10 28
96906	M535751-77	57	35	96906	MS51861-37	66	11
96906 96906	MS35751-77 MS35751-77	58 59	38 29	96906 96906	MS51861-31 MS51861-37	66 66	11 11
96906	MS35151-77	60	31	96906	MS51861-45	64	25
96906 96906	MS35151-77 MS35751-77	61 64	57 40	96906 96906	MS51861-45 MS51861-45	71 72	43 8
96906	MS35751-84	55	27	96906	MS58861-45	73	6
96506 96906	MS35751-84 MS35156-15	60 48	31 13	96906 96906	MS51861-45 MS51861-45	74 75	4 1
96906	MS35782-5	33	26	96906	MS51861-45	76	1
96906 96906	MS35782-5 MS35782-5	34 35	80 14	96906 96906	MS51861-45 MS51861-45	77 79	1 1
96906	MS35810-38	46	9	96906	M551861-45	79	1
96906 96906	MS35810-38 MS35842-11	47 31	1 3	96906 96906	MS51861-45 MS51861-47	80 72	2 8
96906	MS35842-11	83	2	96906	MS51861-49	11	3

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
00000	M054004 40	0.4	0	00000		00	0.4
96906 96906	MS51861-49 MS51861-49	24 55	6 1	96906 96906	MS51967-8 MS51967-8	33 37	31 2
96906	MS51861-49	55	1	96906	MS51967-8	48	57
96906	MS51861-49	56	43	96906	MS51967-8	49	5
96906	MS51861-49	56	43	96906	MS51967-8	50	6
96906 96906	MS51861-49 MS51861-49	57 58	21 1	96906 96906	MS51967-8 MS51967-8	50 54	32 40
96906	MS51861-49	58	1	96906	MS51967-8	54 54	40
96906	MS51861-49	59	18	96906	MS51967-8	55	19
96906	MS51861-49	60	33	96906	MS51967-8	56	24
96906	MS51861-49	61	43	96906	MS51967-8	57	26
96906 96906	MS51861-66 MS51861-66	66 66	11 11	96906 96906	MS51967-8 MS51967-8	58 58	32 32
96906	MS51861-66	72	8	96906	MS51967-8	59	21
96906	MS51861-69	55	7	96906	MS51967-8	60	25
96906	MS51861-69	56	13	96906	MS51967-8	61	50
96906 96906	MS51861-69 MS51861-69	56 57	41 3	96906 96906	MS51967-8 MS51967-8	64 65	32 4
96906	MS51861-69	58	25	96906	MS51967-8	65	4
96906	MS51861-69	58	25	96906	MS51967-8	65	4
96906	MS51861-69	59	45	96906	MS51967-8	65	4
96906	MS51861-69	60	18	96906	MS51967-8	66	10
96906 96906	MS51861-69 MS51861-69	61 63	37 24	96906 96906	MS51968-11 MS51968-11	50 57	19 33
96906	MS51861-69	64	5	96906	MS51968-12	50	75
96906	MS51861-70	57	19	96906	MS51968-14	45	4
96906	MS51862-25	12	3	96906	MS51968-14	48	46
96906	MS51862-25	13	14	96906	MS51968-14	48	46
96906 96906	MS51862-28 MS51862-28	12 12	3	96906 96906	MS51968-14 MS51968-14	49 66	2 15
96906	MS51862-28	13	14	96906	MS51968-2	52	4
96906	MS51862-28	14	8	96906	MS51968-20	33	42
96906	MS51862-58	62	29	96906	MS51968-20	34	26
96906 96906	MS51922-37 MS51922-37	56 61	36 53	96906 96906	MS51968-20 MS51968-20	35 48	5 46
96906	MS51922-49	51	24	96906	MS51968-20	48	46
96906	MS51922-5	84	15	96906	MS51968-23	50	2
96906	MS51922-57	42	16	96906	MS51968-23	51	10
96906	MS51922-57	51	4	96906	MS51968-23	66	15
96906 96906	MS51922-57 MS51922-65	51 51	27 22	96906 96906	MS51968-23 MS51968-23	66 66	15 15
96906	MS51937-8	42	18	96906	MS51968-5	50	15
96906	MS51939-2	66	22	96906	MS51968-8	28	15
96906	MS51939-2	66	22	96906	MS51968-8	28	15
96906 96906	MS51946-1 MS51946-2	40 40	14 14	96906 96906	MS51968-8 MS51968-8	30 31	6 7
96906	MS51953-151	11	5	96906	MS51968-8	34	23
96906	MS51959-46	8	11	96906	MS51968-8	35	23
96906	MS51963-64	54	45	96906	MS51968-8	36	9
96906 96906	MS51963-64 MS51963-64	55 56	24 29	96906 96906	MS51968-8 MS51968-8	61 66	62 10
96906	MS51963-64	58	36	96906	MS51968-8	66	10
96906	MS51963-64	59	26	96906	MS58968-8	66	10
96906	MS51963-64	60	29	96906	MS51970-1	28	14
96906	MS51963-14	64	37	96906	MS51970-4	21	10 9
96906 96906	MS51967-14 MS51967-14	43 51	1 18	96906 96906	MS51983-3 MS51989-104-10	40 70	8
96906	MS51967-14	81	8	96906	MS51989-104-10	71	24
96906	MS51967-2	2	11	96906	MS52127-2		
96906	MS51967-2	2	11	96906	MS521301A204120	31	2
96906 96906	MS51967-2 MS51967-2	2 16	11 18	96906 96906	MS53004-1 MS53004-1	37 37	1 1
96906	MS51967-2	16	18	96906	MS53007-1	33	4
96906	MS51967-2	28	3	96906	MS53007-1	34	34
96906	MS51867-2	33	11	96906	MS53007-1	35	38
96906 96906	MS51967-2 MS51967-2	33 38	20 11	96906 96906	MS53007-1 MS53007-1	38 39	16 16
96906	MS51967-2	39	19	96906	MS53007-1	79	8
96906	MS51967-2	43	13	96906	MS53007-2	33	5
96906	MS51967-2	71	39	96906	MS53007-2	34	31
96906	MS51867-2	81	13	96906	MS53001-2	35	35
96906 96906	MS51867-2 MS51867-20	82 66	9 15	96906 96906	MS53007-2 MS53007-2	38 39	IT 15
96906	MS51867-20	66	15	96906	MS53007-2 MS53007-2	19	6
96906	MS51867-3	19	7	96906	MS53047-1	9	2
96906	MS51867-5	6	88	96906	MS53068-8	40	10
96906 96906	MS51967-5 MS51967-5	48 49	51 15	96906 96906	MS53068-2 MS75021-2	40 23	10 16
96906	MS51967-5 MS51967-5	66	1	96906	MS87006-53	42	14
96906	MS51967-8	33	30	96906	MS90725-10	65	13

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
96906	MS90725-10	65	13	96906	MS90728-38	81	19
96906	MS90725-10	65	13	96906	MS90728-63	37	4
96906 96906	MS90725-10 MS90725-10	65 71	13 20	96906 96906	MS90728-66 MS90728-66	48 49	5- 3
96906	MS90725-10 MS90725-10	81	3	96906	MS90728-9	49 70	3 18
96906	MS90725-109	43	3	70903	MW-C84(41)B9	70	10
96906	MS90725-109	51	16	70903	MW-C16(26)B9		
96906	MS90725-113	66	4	81349	M13486-1-12		
96906 96906	MS90725-113 MS90725-12	81 82	6	81349	M13486-1-5 M24243-1-F402	2	1
96906	MS90725-12 MS90725-14	19	1 20	88349 81349	M24243-1-F402 M24243-1B408	71	1 42
96906	MS90725-31	26	22	88349	M8805-1-024	5	7
96906	MS90725-31	32	3	49367	N-FCR28	5	20
96906	MS90725-36	6	20	80205	NAS1022A17	48	4
96906 96906	MS90725-5 MS90725-6	84 81	9 14	92026 92026	QB Q8	62 66	26 14
96906	MS90725-6	84	4	56365	Q0115	5	31
96906	MS90725-62	33	28	30086	Q230	1	5
96906	MS90725-62	54	48	81348	RRC271BTY2C8201AO72	42	13
96906	MS90725-62	54	48	11419	S2	5	82
96906 96906	MS90725-62 MS90725-62	56 56	26 32	11419 11419	S5 S7	5 5	13 22
96906	MS90725-62	57	28	11419	S72	4	6
96906	MS90725-62	57	35	11419	S72	5	24
96906	MS90725-62	59	29	11419	S78	5	21
96906	MS90725-62	61	48	11419	S82	5	23
96906 96906	MS90725-64 MS90725-64	58 58	38 38	85434 81348	S911B WC375/13-006	26 5	16 30
96906	MS90725-64	58	38	81348	WC576/40-1	5	15
96906	MS90725-64	59	29	81348	WC596/40-1	5	16
96906	MS90725-64	60	31	81349	WC596/46-1	5	19
96906	MS90725-64	64	40	10109	WM3330-1	58	39
96906 96906	MS90725-66	56 59	32 29	10109 70109	WM3331 WM3331	53 64	18 31
96906	MS90725-66 MS90725-8	60	50	81348	ZZ-T-381M/GROUP3/9.00-20/O/TBCC		31
96906	MS90725-92	82	1	81348	ZZ-T-381M/GROUP3/9.00-20/D/TBCC	41	1
96906	MS90725-10	52	8	08108	10C7DC	14	6
96906	MS90726-113	48	37	30321	1013	83	7
96906 96906	MS90726-113 MS90726-114	48 49	44 18	56442 19207	1014M5 10869558	35 30	13 2
96906	MS90726-114 MS90726-115	83	4	89207	10869564	25	1
96906	MS90726-121	48	43	19207	10869572	50	23
96906	MS90726-162	48	44	19207	10869934	50	37
96906	MS90726-162	66	17	19207	10882134	66	24
96906 96906	MS90726-162 MS90726-170	66 48	17 43	19207 19207	10882134 10882135	66 66	24 23
96906	MS90726-187	50	49	19207	10882136	54	9
96906	MS90726-189	66	17	19207	10882136	54	9
96906	MS90726-29	8	15	19207	10882136	59	14
96906 96906	MS90726-4 MS90726-46	84 50	11 17	19207 19207	10882136 10882136	60 61	36 2
96906	MS90726-6	50 52	10	19207	10882136	62	2
96906	MS90726-60	28	17	19207	10882136	63	3
96906	MS90726-60	34	20	19207	10882136	64	43
96906	MS90726-60	35	25	19207	10887136	61	7
96906 96906	MS90726-60 MS90726-62	36 30	11 8	19207 19207	10882157 10882157-1		
96906	MS90726-64	28	17	19207	108828 90	48	53
96906	MS90726-64	28	17	19207	10882193	79	3
96906	MS90726-74	35	26	19207	10882193	19	3
96906	MS90727-109 MS90727-113	66	17	19207	10882198 10882198	40	4
96906 96906	MS90727-113 MS90727-128	45 56	6 38	19207 19207	10882199	49 65	1 6
96906	MS90727-128	57	34	19207	10882199	65	6
96906	MS90727-128	61	56	19207	10882200	65	7
96906	MS90727-172	51	29	19207	10882201	54	46
96906 96906	MS90727-192 MS90727-199	44 51	9 5	19207 19207	10882201 10882201	55 56	25 30
96906	MS90727-199 MS90727-57	29	2	19207	10882201	58	35
96906	NS90727-58	54	29	19207	10882201	59	27
96906	MS90727-58	55	10	19207	10882201	61	55
96906	MS90727-58	56	10	19207	10882202	54	46
96906 96906	MS90727-58 MS90727-58	57 58	13 23	19207 19207	10882202 10882202	55 56	25 30
96906	MS90727-58	56 59	23 43	19207	10882202	56	30 35
96906	MS90727-58	60	16	19207	10882202	58	35
96906	MS90727-58	61	29	19207	10882202	59	27
96906	MS9C727-58	63	31	19207	10882202	60	28
96906 96906	MS90727-58 MS90727-74	64 34	12 21	19207 19207	10882202 10882202	61 64	55 38
30300	WI000121-14	J <del>4</del>	۷۱	13201	10002202	04	30

**SECTION IV** 

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19207	10882207	65	6	19207	10896741	26	1
19207	10882207	65	6	19207	10897070		
19207	10882215	48	47	19207	10900549	48	1
19207 19207	10882216 10882220	48 48	48 48	19207 19207	10900552 10900554	48 48	19 38
19707	10882220	48	48	19207	10900555	48	2
19207	10882243	61	51	19207	10900556	48	58
19207	10882244	56	33	19207	10900556	49	6
19207 19207	10882244 10882274	61 16	51 1	19207 19207	10906769 10906770	48 41	1 1
19207	10882275	20	9	19207	10906776	53	4
19207	10882285	66	3	19207	10906776	54	5
19207	10882369	55	9	19207	10906776	54	5
19207 19207	10882369 10882369	56 58	4 17	19207 19207	10906776 10906776	58 63	41 88
19207	10882369	59	37	19207	10906776	64	30
19207	10882369	61	23	19207	10906776	64	57
19207	10882479-1	81	5 6	19207	10906776	66	27
19207 19207	10882479-1 10882479-2	84 54	11	19207 19207	10906776 10906776	68 68	2 21
19207	10882479-2	54	11	19207	10906776	70	23
19207	10882479-2	63	4	19207	10906776	71	2
19207 19207	10882479-2 10882483-1	64 67	45 30	19207 19207	10906776	81 16	2 17
19207	10882483-2	67	29	19207	10906797 80906797	38	5
19207	10882484	54	19	19207	10906797	39	17
19207	10882484	54	19	19207	10906798	16	17
19207 19207	10882484 10882484	55 56	6 15	19207 19207	10906798 10906798	16 33	17 16
19207	10882484	56 57	2	19207	10906798	33	16
19207	10882484	58	28	19207	10907011	83	6
19207	10882484	58	28	19207	10907027	57	29
19207 19207	10882484 10882484	59 60	48 21	19207 19207	10907028 10907029	57 57	30 31
19207	10882484	61	38	19207	10907044-2	63	16
19207	10882484	64	2	19207	10907044-3	69	25
19207 19207	10891417 10891417	33 38	17 20	19207 19207	10907044-3 10907044-3	70 71	14 18
19207	10891417	39	2	19207	10907044-3	71	35
19207	10891462			19207	10907044-4	54	17
19207 19207	10891478 10891482	16 55	1 9	19207 19207	10907044-4 10907044-5	54 6	17 12
19207	10891482	56	4	19207	10907044-5	61	8
19207	10891482	58	17	19207	10907044-5	62	15
19207 19207	10891482	58 59	17 37	19207 19207	10907044-5 10907044-5	66 67	26 18
19207	10891482 10891482	59	37	19207	10907044-5	67	32
19207	10891482	61	23	19207	10907044-5	68	3
19207	10891492	56	48	19207	10907044-5	68	35
19207 19207	10891492 10891492	59 60	2 37	19207 19207	10907045-1 10907045-1	64 68	50 4
19207	10891493	56	49	19207	10900T45-1	68	34
19207	10891493	59	3	19207	10907045-5	62	14
19207 19207	10891493 10891494	60 56	38 55	19207 19207	10907045-5 10907045-5	67 67	18 31
19207	10891494	59	9	19207	10911036-1	54	27
19207	10891495	56	54	19207	10911036-1	55	85
19207	10891495	59	8	19207	10911036-1	63	30
19207 19207	10891495 10891496	60 56	42 52	19207 19207	10911036-1 10911036-2	64 54	11 27
19207	10891496	59	6	19207	10911036-2	55	15
19207	10891499-1	55	2	19207	10911036-2	56	8
19207	10891499-1	56	44	19207	10911036-2	57	11
19207 19207	10891499-2 10891499-2	55 58	2 2	19207 19207	10911036-2 10911036-2	58 59	21 41
19207	10891499-2	58	2	19207	10911036-2	60	14
19207	10891499-2	59	19	19207	10911036-2	61	27
19207 19207	10891499-2 10891499-2	60 64	34 26	19207 19207	10911036-2 10916537	64	11
19207	10891502	56	51	19207	10916537		
19207	10891502	59	5	19207	10916537		_
19207 19207	10891504 10891504	56 61	34 52	19207 19207	10920175 10920231	73 56	2 45
19207	10891506	60	40	19207	10920231	57	22
19207	10891528	66	6	19207	10920231	61	47
19207 19207	10891529 10896684	66 26	6 9	19207 19207	10920252 10920252	56 57	20 17
19207	10896688	50	40	19207	10920252	61	35
19207	10896695	26	18	19207	10920274	56	12
19207	10896120	26	17	19207	10920274	57	5

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19207 19207	10920274 10920274	61 63	31 35	19207 19207	11592566 11592566	60 61	3 22
19207	10920372	57	14	19207	11592566	63	23
19207	10922418	64	51	19207	11592566	64	20
19207	10923325	73	7	19207	11607452	60	39
19207 19207	10923539 10923539	12 12	1 1	19207 19207	11607480 11607480	54 55	47 26
19207	10923836	33	51	19707	11607480	56	31
19207	10944310	14	7	19207	11607480	58	34
19207 18876	10944311 10944341	60 65	41 8	19207 19207	11607480 11607480	59 60	28 27
19207	10945045	35	19	19207	11607480	64	39
17773	11241706-2	83	20	19207	11607487	54	44
17773 89315	11242067-7 1141	83	13	19207 19207	11607487 11607487	55 56	23 28
19207	11589880	60	51	19207	11607487	58	37
19207	11589881	60	52	19207	11607487	59	25
19207	11589882	60	41	19207	11607487	60	30
19207 19207	11589883 11589885	60 60	46 44	19207 19207	11607487 11601504	64 54	36 43
19207	11589889	48	50	19207	11607504	54	43
19207	11589899	49	13	19207	11607904	55	72
19207 19207	11589900 11589900	54 54	35 35	19207 19207	11601505 11607505	54 94	43 43
19207	11589900	58	12	19207	11607505	58	33
19207	11588900	60	5	19207	11601505	60	26
19207	11588900	64	18	19207	11607505	64	35
19207 19207	11589901 11589901	54 58	34 14	19207 19207	11607611-1 11609331	60 26	35 10
19207	11589901	60	1	19207	11609338	26	11
19207	11588901	64	17	19207	11609419	26	12
19207	11585902	54 54	21	19207	11614157	10	1
19207 19207	11585902 11589902	54 58	21 26	19207 19207	11631743 11611743	54 54	65 65
19207	11589902	58	26	19207	11631743	64	53
19207	11589902	58	26	19207	11637879	83	14
19207 19207	11589902 11589902	59 59	46 46	19207 19207	11637943 11637943	54 54	20 20
19207	11589902	60	19	19207	11637943	58	21
19207	11589902	64	4	19207	11637943	60	20
19207	11589919	65	1	19207	11637943	64	3
19207 19207	11592441 11592443-1	63 62	39 13	19207 19207	11637970 11637970	54 54	39 39
19207	11592443-1	63	14	19207	11637910	58	9
19207	11552447	74	5	19207	11637970	60	2
19207 19207	11592461 11592461	53 54	9 62	19207 19207	11637970 11637989	64 54	21 32
19207	11592461	54	62	19207	11637989	58	16
19207	11592461	55	4	19207	11637989	60	9
19207	11592461	56	42	19207	11637990	54	31
19207 19207	11592461 11592461	57 58	24 6	19207 19207	11637990 11637990	54 60	31 6
19207	11592461	59	17	19207	11637991-8	54	24
19207	11592461	60	32	19207	11637991-1	54	24
19207 19207	11592461 11592461	61 62	45 23	19207 19207	11637991-1 11637991-1	60 64	10 7
19207	11592461	63	41	19207	11637991-2	54	24
19207	11592461	64	24	19207	11637991-2	54	24
19207	11592524	63	17	19207	11637991-2	55	9
19207 19207	11592525 11592526	63 63	8 13	19207 19207	11638000 11638024	78	4
19207	11592527-1	63	19	19207	11638161	72	1
19207	11592521-2	63	11	19207	11638168	72	4
19207 19207	11592528 15892529	63 63	17 8	19207 19207	11638169 11638870	72 72	5 2
19207	11592530	63	13	19207	11638670	55	3
19207	11592530-1	63	19	19207	11638182	79	5
19207	11592531-2	63	11	19207	11638182 11638183	79	5
19207 19207	11592551 11592552	63 54	34 4	19207 19207	11638183 11638183	79 79	4 4
19207	11592552	54	4	19207	11639519-2	10	3
19207	11592552	63	7	19207	11639520	10	11
19207 19207	11592552 11592566	64 54	42 37	19207 19207	11639535 11646058	10 5	2 27
19207	11592566	54 54	31	19207	11646100	5 5	
19207	11592566	55	16	19207	11646236	78	3
19207	11592566	56	3	19207	11646244		
19207 19207	11592566 11592566	58 58	10 10	19207 19207	11646249 11646252		
19207	11592566	59	32	19207	11646302-1	65	6

**SECTION IV** 

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19207	11646302-1	65	6	19207	11681645	76	3
19207	11646302-2	65	6	19207	11681646	76	4
19207	11646302-2	65	6	19207	11681647	76	5
19207	11646331	77	4	19207	11681673-1	49	17
19207 19207	11646333 11646359	65 54	15 49	19207 19207	11681673-2 11681614-1	49 49	11 11
19207	11646385-1	54	61	19207	11681674-2	49	11
19207	11646385-2	54	61	19207	11682834	70	12
19207	11646386	54	59	40610	11682835	70	. 9
19207 19207	11646389 11646393	54 54	57 56	19207 40670	11682836 11682837	70 70	17 20
19207	11646402	54	56	40670	11682838	70	16
19207	11665871	48	23	19207	11682840	71	19
19207	11668010	22	11	40670	11682842	71	44
19207	11668011	22 83	10 19	40670	11682843	71	23 26
19207 19207	11668049 11668361	36	19	19207 40670	11682844 11682846	71 71	26 27
19207	11681178	54	63	19207	11682847	71	30
19207	11681178	54	63	19207	11682848	71	31
19207	11681178	58	5	40670	11682849-1	71	36
19207 19207	11681178 11681226	59	15	40670 40670	11682849-2 11682850	71 71	33 37
19207	11681234	21	8	19207	11682851	71	22
19207	11681236	17	1	40670	11682852	71	45
19207	11681231	23	12	19207	11682880	70	1
19207 19207	11681240 11681241	52 77	1 2	19207 40670	11682887	70 70	4 2
19207	11681241	77 77	3	40670	11682888 11682889	70	5
19207	11681247	,,	o o	19207	11682931	63	37
19207	11681251	45	1	19207	11682936	64	23
19207	11681253	45	3	19207	11682936	64	27
19207 19207	11681254 11681260	45 22	2 1	40670 19207	11682942 11682943	64 58	15 11
19207	11681267	46	10	19207	11682943	64	14
19207	11681211-1	46	4	19207	11682948-1	58	20
19207	11681271-2	46	4	19207	11682948-2	58	19
19207 19207	11681272-1 11661272-2	46 46	1 1	19207 19207	11682948-3 11682948-4	63 63	29 33
19207	11681273	40	'	19207	11682948-5	63	28
19207	11681273			19207	11682949	58	ĪT
19207	11681273			19207	11682950	58	Z
19207	11681277	65	12	19207	11682953	58	7
19207 19207	11681277 11681277	65 65	12 12	19207 19207	11682959 11682962	53 63	8 17
19207	11681343	65	12	40670	11682963	63	8
19207	11681399	54	12	19207	11682964	63	13
19207	11681399	54	12	40670	11682965	63	11
19207 19207	11681399 11618400-1	64 54	46 10	19207 19207	11682966 11682967	63 63	1 1
19207	11681400-1	54	10	19207	11682968	63	1
19207	11681400-1	64	44	40670	11682919	63	26
19207	11681400-2	54	10	19207	11682985	64	7
19207 19207	11681400-2 11681400-2	54 64	10 44	19207 19207	11682988 11682989	63 63	2 2
19207	11681403	54	1	19207	11682990	63	2
19207	11681403	54	1	19207	11682999-1	83	5
19207	11681407	54	14	19207	11682999-2	83	9
19207 19207	11681407 11681407	54 64	14 52	19207 19207	11683001 11683801	83 84	8 12
19207	11681430-1	54	49	19207	11683011	84	8
19207	11681430-2	54	49	19207	11683017	6	1
19207	11681432	54	8	19207	11683020	84	7
19201	11681432	54	8	19207	11683026	84	1
19207 19207	11681432 11681434	64 54	54 3	19207 19207	11683027 11683029	84 84	11 19
19207	11681434	54	3	19207	11683030	84	10
19207	11681434	64	41	19207	11683043	53	5
19207	11681435	47		19207	11683043	58	42
19207 19207	11681442 11681452	17 73	9 5	19207 19207	11683043 11683044	64 53	27 7
19207	11681453	80	1	19207	11683044	64	28
19207	11681464	79	2	40670	11683044	58	44
19207	11681466	40		19207	11683046	69	1
19207 19207	11681530 11681633	49 54	16 48	19207 40670	11683047-1 11683047-2	69 69	23 4
19207	11681633	54 54	48	40670	11683047-2	69	21
19207	11681633	58	38	19207	11683047-5	69	3
19207	11681633	59	29	19207	11683047-7	69	19
19207 19207	11681633 11681644	61 76	57 2	19207 19207	11683048 11683049	69 69	11 12
19201	11001044	70	2	19201	11003043	69	12

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19207	11623050	69	13	19207	11684344	44	10
19207	11623054	69	7	19207	11684345	51	31
19207	11683055	71	1	19207	11684346	38	8
19207	11682057-1	71	16	19207	11684346	39	12
40670 40670	11623057-2 11683057-3	71 71	10 14	19207 19207	11684346 11684348	52 51	2 1
19207	11603057-7	71	9	19207	11684349	51	32
19207	11623058	71	15	19207	11684350	51	13
40670 19207	11683060 11683098	71 84	3 18	19207 19207	11684351 11684352-1	51 51	28 15
19207	11683099	84	18	19207	11684352-2	51	15
19207	11683100	84	18	19207	11684353	51	18
19207	11683101	84 6	18 4	19207	11684354	51 51	20 30
19207 19207	11682133 11613136	6	10	19207 19207	11684355 11684356	51	19
19207	11682137	6	2	19207	11684357	51	2
19207	11683142	6	11	19207	11684360	44	12
40670 19207	11623143 11613159	6 14	14 1	19207 19207	11684361 116B4362	44 44	15 11
19207	11683160	13	1	19207	11684365	44	1
19207	11683160-10	13	6	19207	11684366	51	14
19207 19207	11683160-11 11683160-6	13 13	9 10	19207 19207	11684367 11684383	52 18	5 13
19207	11683160-9	13	7	19207	11684396-1	54	49
40670	11683161	13	1	19207	11684396-2	54	49
19207	11683161-1	13	11	19207	11684408		
19207 19207	11683161-5 11683187	13 20	12 9	19207 19207	11684409 11684410	38	6
19207	11683197	85	2	19207	11684410	39	11
19207	11683210	13	3	19207	11684410	52	9
19207 19207	11683211 11683216-1	5 85	25 11	19207 19207	11684465 11684466	19 19	1 9
19207	11683216-2	85	7	19207	11684468	75	2
19207	11682217	85	8	19207	11684469	75	3
19207	11623220	78	1	19207	11684500	30	4
40610 19207	11683230 11683235	53 83	14 1	19207 19207	11684501-1 11684501-2	30 30	5 5
19207	11683236-1	13	4	61349	11848	1	9
19207	11683236-2	13	5	21450	119285	50	4
19207 19207	11683237 11683239	6 5	9 29	21450 89207	119286 12330793-1	50 49	5 17
19207	11623240	6	81	19207	12330793-1	49	11
19207	11623241	5	17	81091	1347	3	24
19207 19207	11623241 11683242	5 5	18 14	61349 19220	138000 14X870	1 62	1 24
19207	11683244	5	3	19671	1420	53	1
19207	11683245	5	4	93061	152FS6-8	70	6
19207	11683246	5	5	21450	169112	48	10
19207 19207	11683247 11683251	5 5	6 2	21450 57163	180882 1986G	48 72	25 4
19207	11683253	85	3	13445	2036	14	5
19207	11683254	13	2	81348	22-U-531	71	4
19207 19207	11683255 11683256	85 15	1 2	72962 06853	22NA21J82 225760	69 35	16 28
19207	11683251	15	3	06853	225760	39	8
19207	11683259	15	1	70485	2276	16	17
19207 19207	11883260 11683261	5 5	10 1	70485 80045	2276 23MS35338-50	24 33	10 43
19207	11623262-1	84	13	80045	23MS35338-50	34	27
19207	11623262-2	84	14	80045	23MS35338-50	35	6
19207	11683265	13	13	80045	23MS35338-50	48	45 45
19207 19207	11623268 11664301-1	69 49	5 9	80045 80045	23MS35338-50 23MS35338-50	48 66	45 16
19207	11684303	49	10	80045	23MS35338-50	66	16
19207	11684309	66	24	04741	25-A-257	33	35
19207 19207	11684311 11684313	19 17	21 9	96256 40670	27F23 2948717	2 62	7 31
19207	11684314	21	1	40670	2948118	62	34
19207	11624315	22	9	40670	2948720	62	38
19207 19207	11684316 11624318	23 21	1 1	40670 40670	2948730 2949995	62 61	30 11
19207	11624318	25	2	40670	2949995 2949995	62	17
19207	11624329	52	7	40670	2949995	67	21
19207	11684334	44	4	40670	2949995	67	33
19207 19207	11624335 11684336	44 51	2 17	40670 40670	30154719 30154719	56 61	16 39
19207	11684337-1	51	7	31356	31-FX-SK-50(58-62)	1	8
19207	11684337-2	51	6	40670	31681070	72	1
19207 19207	11684338 11624343	51 44	23 14	40670 40670	31681071 31681072	72 72	5 2
		• •			*:**:=	12	-

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
40670	31691032	68	8	40670	34861033	2	6
40670 40670	31691032 32341012	68 3	25 9	40670 40670	34861040 34861041	3 13	26 2
40607	32341013	3	8	40670	34861042	14	11
40670	22341015	3	25	40670	34861046	4	3
40670	32341041	3	12	40670	34861049	4	5
40670	32341054	3	8	40670	34861821	67	2
40670 40670	3234416 3734427	81 81	17 18	40670 40670	3486405 3486504	65 65	1 1
40670	3234420	01	10	40670	3486700	57	25
40670	3234702	55	22	40670	3486701-2	57	23
40670 40670	3234702 3234702	56 58	27 33	40610 40670	3486707 3486708	61 61	46 46
40670	32?4702	58	33	40670	3486723-1	62	20
40670	3234702	59	24	40670	3486123-2	62	20
40670	3234779	3	7	40670	3486736	61	19
40670 40670	3234900 3234910	73	3 20	40670 40670	3486737	61 62	16 21
40670	3234910 323491C-1	68 68	20	40670	3486143 3486143	66	13
40610	3734918	68	1	40670	3486746	57	7
40670	3234919-4	68	1	40670	3486748	65	16
40610 40670	3234951-5 3234524	69 68	1 29	40670 40670	3486750 3486895	56 82	46 3
40670	3234924-1	68	29	40670	3486896	61	58
40670	3234925	68	32	40670	3486897-1	82	6
40670	3234925-1	68	32	40670	3486897-2	82	6
40670 40670	3234926 3234927	68 68	30 12	40670 40670	3486898 3486898	61 82	59 4
40670	3234927-1	68	12	40670	3486910	73	4
40670	3234978	68	12	40670	3486925	20	1
40670	3234926	68	15	40670	3486934	61	9
40670 40670	3234929-1 3234930	68 68	15 15	40670 40670	3486934 3486934	62 67	6 10
40670	3234931	68	13	40670	3486934	67	25
40670	3234560	81	1	40670	3486935	82	12
40670	3234914	3	16	40670	3486942	24	1
40670 40670	3234975 3234976	3 3	17 15	40670 40670	3486943 3486944	24 67	1 28
40670	3234977	3	2	40670	3486945	67	26
40670	3234578	3	4	40670	3486946	67	22
40610 40670	3234591 3234980	4 3	15 6	40610 40670	3486947 3486948	62 62	12 16
40670	3234980	4	1	40670	3486949	62	7
40670	3234981	16	20	40670	3486950-1	62	18
40670 40670	3234985 3234991-1	3 3	11 14	40670 40670	3486950-2 3486952	62 67	10 19
40670	3234991-2	3	13	40670	3486953	67	12
40670	3234997	65	12	40670	3486954	67	16
40670	3296977	11	8	40670	3486955	67	14
40670 40670	3296977-1 3256978	11 11	8 5	40670 40670	3486956 3486961	67 62	1 16
40670	3296980	11	6	40670	3486962	62	12
40610	3296981	11	7	40610	3486964-1	62	18
40670 08050	3296986 3301	24 53	13 12	40610 40670	3486964-2 3486965	62	10
40670	3349701-1	61	44	40670	3486969	67	3
40670	3349701-2	56	44	40670	3486970	61	12
40670	3349101-2	61	44	40670	3486971	61	6
40670	3486029 34861001	4	9	40670	3486972	61	4 5
40670 40670	34861001 34861003	4 4	16 17	40670 40670	3486973-1 3486973-2	61 61	7
40670	34861020	61	1	40670	3486974		-
40670	34861022	13	1	40670	3486977	61	19
40670 40670	34861022 34861022-1	13 13	1 11	40670 40670	3486978 3486979	67 67	14 16
40670	34861022-10	13	1	40670	3486980	67	12
40670	34861022-11	13	6	40670	3486981	67	3
40670	34861022-12	13	9	40670	3486985	67	1
40670 40670	34861022-3 348e1022-5	13 13	13 12	40670 40670	3486986 3486989	67 61	36 23
40670	34861022-6	13	10	40670	3486994	62	1
40670	34861022-8	13	4	40670	3486997	2	17
40670	34861022-9 34861033	13	5	80020	36344N24	42	15
40670 40670	34861023 34861024	13 12	3 4	40670 40670	3670100 3670703	56 55	46 3
40670	34861024	14	3	40670	3670801	86	3
40670	34061026	4	14	40670	3670809	86	14
40670 40670	34861027 34861028	4 14	13 10	40670 40670	3670812 3670818	86 86	4 6
40670	34061032	4	7	40670	3670827	86	12

		FIGURE	ITEM			FIGURE	ITEM
	PART NUMBER	NO.	NO.	FSCM	PART NUMBER	NO.	NO.
40670 40670	3670910 3670913	18 24	1 14	19207 19207	7059832 7060037	50 50	48 35
40670	3670914	24	11	19207	7064978	27	8
40670	3670923	81	11	19207	706820	48	7
40670 21873	3670937 3760	5	26	19207 19207	7091890 7092286	33 12	47 1
73740	3790	4	4	19207	7092287	12	2
40670	3835934			19207	7092287	12	2
19671 78286	400A-72 4002-10W	53 63	3 15	19207 19207	7092287 7092290	12 12	2 6
71286	4002-10W 4002-11W	61	10	19207	7092290	12	6
71286	4002-15w	6	13	19207	7092990	12	6
71286 71286	4002-15W 4002-15W	69 10	24 15	19207 19207	7263712 7264749	40 55	19 18
71286	4002-15W	71	17	19207	7264749	56	2
71286	4002-15W	71	34	19207	7264749	58	9
71286 40670	4002-19W 4042900	66 18	25 6	19207 19207	7264749 7264749	58 59	9 31
95683	41W5141-10	10	U	19207	7264749	61	21
94222	44-99-223-13	68	16	19207	7264749	63	22
94222 94222	44-99-223-13 44-99-225-21	68 86	33 13	74545 19207	7311 7320658	3	10 5
75582	4929	4	8	19207	7320688	6	13
21450	506209	16	9	19207	7327426-1	69	17
21450	506209	17	2	19207	7327426-1	71	6
21450 21450	506209 506209	17 17	10 10	19207 19207	7327426-2 7327426-2	6 54	6 6
21450	506209	19	8	19207	7327426-2	54	6
21450	506209	20	2	19207	7327426-2	61	16
21450 63477	506209 5156653	24 30	20 1	19207 19207	7327426-2 7327426-2	62 63	5 6
19207	5167679	30	9	19207	7327426-2	64	56
19207	5167878 50N/5000	31	9	19207	7327426-2	67	9
13257 19207	52NE066 5214539	86 30	7 14	19207 19207	7327426-2 7327426-2	67 68	34 6
19207	5228623	33	7	19207	7327426-2	68	23
19207	5228623	33	7	19207	7327426-2	70	19
19207 19207	5228623 5228623	34 35	13 18	19207 19207	7327426-2 7346922	71	41
19207	5228623	38	19	19207	7352008	36	7
19207	5228623	39	3	19207	7368629	50	26
89020 19207	524 5298653	85 30	5 12	19207 19207	7368641 7368642	50 50	27 28
19207	5298653	32	7	19207	7368675	50	24
89020	530	1	17	19207	7368676	50	30
19207 19207	5323088 5343622	28 2	9 15	19207 19207	7368677 7373221	50 50	29 10
21450	537805	40	9	19207	7373229	50	13
55026	55-AC-V-0-250	Ţ	1	19207	7373354	31	6
55026 75345	55-0-200AMPAC 5626-1	1 62	2 32	19207 19207	7389061 7389620	40 40	2
19220	5626-10	62	37	19207	7389621	40	3
19220	5626-7	62	33	19207	7389621	40	1
02121 19220	5628-5 5628-6	62 62	36 35	40670 19207	74-0315 7409335	5	9 8
40670	58854-A-21	13	2	19207	7411022	50 33	19
19207	593599	48	42	19207	7411078	33	25
40670 40670	5955122-1 5955122-2	65 65	6 6	19207 19207	7411078 7411078	34 35	18 22
01364	60F6100	6	3	19207	7411079	33	27
19207	6144356	40	5	19207	7411079	34	19
19207 08108	6144454 67	40	4	19207 19207	7411079 7411080	35 33	21 27
08108	67			19207	7411080	34	17
24617	695988	34	12	19207	7411080	35	21
55719 19220	7-0 7X195	62	25	19207	7411378 1411379	40 40	7 6
19220	7014965	62 33	25 2	19207 19207	7411425	40	12
19207	7014965	33	31	19207	7411429	40	11
19207	7014965	34	16 15	19207	7411433	40	15
19207 19207	7014965 7014965	35 39	15 4	19207 19207	7411760 7411903	28 32	2 10
19207	7034589	48	38	19207	7412050	32	1
19207	7044253	42	10	19207	7412068	32	1
19207 19207	7045177 7045779	48 48	22 29	19207 19207	7412079 7412079	30 32	10 8
19207	7045779	48	17	19207	7412079	30	13
19207	7045783	48	11	19207	7412088	32	5
19207 19207	705396 7056708	48 18	7 5	19201 19207	7412103 7412104	28 29	8 10
13201	7030700	10	3	10201	1712107	29	10

		FIGURE	ITEM			FIGURE	ITEM
<b>FSCM</b>	PART NUMBER	NO.	NO.	<b>FSCM</b>	PART NUMBER	NO.	NO.
19207 19207	7412120 7412770	29 12	11 5	19207 19207	7744947 7745464	48 30	26 11
19207	7412770	12	5	19207	7745464	32	6
19207	7412770	12	5	19207	7748911	54	25
19207 19207	7412770 7413231	14 40	2 13	19207 19207	7748911 7748911	55 56	14 5
19207	7416878-1	68	22	19207	7748911	56	19
19207 19207	7416878-2	68	7	19207	7748911 7748911	57	8 20
19207	7416878-2 7416878-2	68 68	11 27	19207 19207	7748911	57 58	18
19207	7418892	43	8	19207	7748911	59	38
19207 19207	7528156 7121157	43 43	14 5	19207 19207	7748911 7748911	60 61	11 24
19207	7528159	43	11	19207	7748911	61	40
19207	7521160 7521161	43 43	4 9	19207	7748911	63 64	27 8
19207 19207	7521163	43	9 7	19207 71612	7748911 78	04	0
19207	7521639	50	47	19207	7974885	48	3
19207 19207	7521640 7521642	26 26	20 13	19207 19207	7974887 7974888	48 48	2 41
19207	7521643	26	6	19207	7979296	33	22
19207	7521645	26	5	19207	7979297	33	23
19207 19207	7521646 7521647	26 26	7 8	63477 19207	7979691 7982399	31 8	5 3
19207	7521648	26	19	19207	7982907	20	14
19207	7521737 7521739	50	33	19207	7998651	48 12	1 4
19207 19207	7521739 7521795	50 50	34 14	19207 19207	8327366 8327366	12	4
19207	7521831	50	52	19207	8327759	43	15
19207 19207	7521832 7521833	50 50	46 45	19207 19207	8327988 8332086	50 31	41 1
19207	7521834	50	43	19207	8335233	8	12
19207	7524315	42	6	19207	8336701	28	1
19207 19207	7524316 7526020	42 9	9 6	19207 19207	8336702 8336704	28 29	1 6
19207	7526509	7	8	19207	8336705	29	7
19207	7526509	7	8	19207	8336789	29	7
19207 19207	7526509 7526515	7 7	8 7	19207 19207	8338561 8338561	16 16	2 14
19207	7526515	7	7	19207	8338561	17	3
19207	7526515	7	7	19207	8338561	17	11
19207 19207	7526516 7526516	7 7	3	19207 19207	8338561 8338561	17 17	11 11
19207	7526516	7	3	19207	8338561	18	2
19207	7526796 7526796	7 7	5 5	19207	8338561	18	7
19207 19207	7526796 7526796	7	5	19207 19207	8338561 8338561	18 19	14 2
19207	7539268	32	12	19207	8338561	19	10
19207 19207	7539308 7539661	31 50	10 11	19207 19207	8338561 8338561	20 20	3 10
90190	7560	4	12	19207	8338561	20	18
19207	7612227	4	10	19207	8338561	21	2
19207 19207	7613186 7613186	54 54	16 16	19207 19207	8338561 8338561	21 22	9 2
19207	7700125	26	4	19207	8338561	23	9
19207	7700126 7700127	26	2	19207	8338562 8338562	16	3
19207 19207	7716634	26 22	3 13	19207 19207	8338562	16 17	15 4
19207	7716793	22	6	19207	8338562	17	12
19207 19207	7716794 7722333	23 16	16 6	19207 19207	8338562 8338562	17 17	12 12
19207	7722333	17	7	19207	8338562	18	3
19207	7722333	17	15	19207	8338562	18	8
19207 19207	7722333 7722333	17 19	15 6	19207 19207	8338562 8338562	18 19	15 3
19207	7722333	22	8	19207	8338562	19	11
19207	7722333	23	7 17	19207	8338562	20	4
19207 19207	7722333 7722333	23 24	17	19207 19207	8338562 8338562	20 20	11 19
19207	7723309	16	8	19207	8338562	21	3
19207 19207	7723309 7723309	17 19	8 7	19207 19207	8338562 8338562	21 22	10 3
19207	7723309	24	19	19207	8338562	23	10
72869	7723309	17	16	19207	8338563	16	4
72869 72869	7723309 7723309	17 22	16 7	19207 19207	8338563 8338563	16 17	16 5'
72869	7723309	23	8	19207	8338563	18	4
72869	7723309	23	18	19207	8338563	18	9
19207 19207	7731428 7739666	2 43	10 10	19207 19207	8338563 8338563	19 20	12 5
		.0				20	ŭ

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
19207	8338563	20	20	19207	8689208	33	9
19207	8338563	21	4	19207	8689208	33	9
19207	8338563	21	11	19207	8689208	33	9
19207	8338563	22 23	4 11	19207	8689208	33 34	36
192C7 19207	8338563 8338564	23 17	13	19207 19207	8689208 8689208	38	1 2
19207	8338564	17	13	19207	8689208	39	23
19207	8338564	18	16	19207	8689210	33	24
19207	8338564	19	4	19207	8689210	34	4
19207	8338564	20	12	19207	8689210	35	12
19207 19207	8338566 8338566	2	3 11	19207 19207	8689210 8690462	83 54	12 52
19207	8338566	10	8	19207	8694464	8	9
19207	8338566	16	12	19207	8699566	50	16
19207	8338566	18	10	19207	8720024	40	18
19207	8338566	18	18	19207	8720025	40	16
19207	8338566	19	13	19207	8720331	29	13
19207	8338566 8338566	20 20	6 13	19207	8120515	28 48	13 27
19207 19207	8338566	20	22	19207 19207	8120974 8720979	48	27 25
19207	8338566	21	6	19207	8122186-10	54	30
19207	8338566	21	13	19207	8722186-10	55	12
19207	8338566	23	2	19207	8722186-10	56	7
19207	8338566	23	13	19207	8722186-10	58	20
19207	8338567	2	4	19207	8722186-10 8722186-10	59	40
19207 19207	8338567 8338567	9 10	12 9	19207 19207	8722186-10 8722186-10	60 61	13 26
19207	8338567	16	13	19207	8722186-10	64	10
19207	8338567	18	11	19207	8722186-12	57	9
19207	8338567	18	19	19207	8722186-13	57	10
19207	8338567	19	14	19207	8722186-3	54	26
19207	8338567	20	7	19207	8722186-3	55	13
19207 19207	8338567 8338567	20 20	16 23	19207 19207	8722186-3 8722186-3	56 58	6 19
19207	8338567	21	7	19207	8722186-3	59	39
19207	8338567	21	14	19207	8722186-3	60	12
19207	8338567	23	3	19207	8722186-3	61	25
19207	8338567	23	14	19207	8722186-3	64	9
19207	8365426	31	4	19207	8722186-4	56	23
19207 19207	8376208 8376208	16 17	5 6	19207 19207	8722186-4 8724257	61 22	32 14
19207	8376208	17	14	19207	8724258	22	12
19207	8376208	17	14	19207	8724763	16	7
19207	8376208	19	5	19207	8724763	22	5
19207	8376208	24	17	19207	8724763	24	16
19207	8376209	23	6	19207	8730455	33	41
19207 19207	8376574 8376583	48 48	5 6	19207 19207	8730455 8730455	34 35	25 4
19207	8376585	48	34	19207	8730456	55	7
19207	8376590	48	9	19207	8730456	33	40
19207	8376593	48	21	19207	8730456	34	28
19207	8376595	48	30	19207	8730456	35	3
19207 19207	8376596 8376602	48 48	31 54	19207 19207	8733890 8733891	28 28	5 5
19207	8376602	49	2	19207	8733892	28	12
19207	8376610	48	39	19207	8733893	28	12
19207	8376611	48	8	19207	8733894	27	1
19207	8378661	9	3	19207	8733895	27	1
19207	8378785	9	1	19207	8733896	29	4
19207	8377625	48	32	19207	8133897	29	4
19207 19207	8379855 8379857	48 48	40 16	19207 19207	8733898 8733899	32 32	4 4
19207	8380196	42	8	19207	8133901	29	1
19207	8380197	42	7	19207	8733902	29	1
19207	8380802	36	5	19207	8733908	29	5
19207	8380805	36	3	19207	8733909	29	5
19207	83808081	36	8	19207	8733911	27	7
19207 19207	8380814 8380817	36 36	6 2	19207 19207	8733912 8733916	27 32	7 9
19207	8380818	36	4	19207	8733918	32	11
19207	8386475	8	5	19207	8733920	32	9
19207	8386477	8	6	19207	8733922	32	11
19207	8389462-1			19207	8733926	27	6
19207	8407333	30	3	19207	8733927	27	6
19207 19207	8687084 8689206	8 34	2 5	19207 19207	8733929 8733933	32 29	13 12
19207	8689206 8689206	34 35	5 27	19207	8733935 8733935	29 27	12 5
19207	8689206	38	4	19207	8733936	27	4
19207	8689206	39	10	19207	8733937	27	3
19207	8689208	33	9	19207	8733938	27	2
				F-247	7		

		FIGURE	ITEM			FIGURE	ITEM
FSCM	PART NUMBER	NO.	NO.	FSCM	PART NUMBER	NO.	NO.
19207	873553			40670	9048930	16	10
19207	8735§53	48	24	40670	9048940	16	1
19207	8735554	48	27	40670	9050906	74	3
19207 19207	8735555 873!729	48 28	33 6	40670 40670	9067001 9067001	58 58	12 12
19207	8737178	20	0	40670	9067001	59	34
19207	873717e	48	49	40670	9067001	59	34
19207	8748247-30	60	43	40670	9067002	58	13
19207	8741247-30	62	3	40670	9067002	58	13
19207	8741247-3C	67	6	40670	9067002	59	35
19207	8741247-3C	84	5	40670	9067002	59	35
19207	8741846	8	10	40670	9067005	58	27
19207 19207	8748e50 8e7146l51	8 8	4 7	40670 40670	9067005 9067005	58 59	27 47
19207	8747104	56	53	40670	9067005	59	47
19207	e747104	59	7	40670	9068001	55	23
19207	8771C4 8	56	47	40670	9068001	56	28
19207	81411(8	59	1	40670	9068001	58	37
19207	8747118	66	12	40670	9068001	59	25
19207	8147118	66	12	40670	9068002	55	26
19207	8747118	66	12	40670	9068002	56	31
19207 19207	87472C7 87477C7	47	11	40670 40670	9068002 9068002	58 59	34 28
19207	E747211	46	1	74545	92071	3	3
19207	8747212	46	1	40670	9344713-1	54	61
19207	8747213	46	4	40670	9344713-2	54	61
19207	8747214	46	4	40670	9348040	66	28
19207	8747i15	46	10	40670	9351706-1	54	49
19207	e74721[	46	12	40670	9419909	58	6
19207	8747218	47	4	40670	9444700-1	62	20
19207	6747218	47	12	40670	9444700-2	62	20
19207 19207	E741218 e747218	49 65	12 14	40670 40670	9444701 9444701	61 68	46 46
19207	E747218-1	46	11	40670	9444702	61	46
19207	8747222	46	2	40670	9444703	57	25
19207	8747246	23	12	40670	9444704	56	46
19207	8747247	2	2	40670	9444710	62	22
19207	8741249			40670	9444905-1	82	11
19207	E747250			40670	9444905-3	82	11
19207	8747250 8747250			40670	96902	53	2 2
19207 19207	8747250 87472f3	33	45	74545 40670	97071 9772074	4 47	10
19207	81472k3	34	32	40670	9772074	47	5
19207	e747263	35	37	40670	9772076	47	6
19207	8e77292	56	40	40670	9772700	58	7
19207	8747293	56	39	40670	9772700	58	7
19207	8747317	66	7	40670	9772701	56	46
19207	8747317	66	7	40670	9772702	55	3
19207 19207	8741717 E747551	66	7	40670 40670	9772706 9172706	55 56	22 27
19207	81571E4	50	51	40670	9772706	58	33
19207	8757685	50	38	40670	9772706	59	24
19207	e151712	26	15	40670	9772900	20	17
19207	175ee8881	50	50	40670	9772901	16	1
19207	e758890	50	20	40670	9772903		
19207	e158eso00	50	21	40670	9772910	75	5
19207	]e58;C1	50	22	40670	9772915	75	6
19207	e758S11	50 50	43	40670	9884701	59 58	20
19207 19207	8758S18 8758919	50 50	18 9	40670 40670	9884703 9884950	58	7
19207	8759C76	30	4	40670	99521002	59	11
19207	8759C77	50	1	40670	99521003	59	12
19207	8759C79	30	5	40670	99521004	59	13
19207	8759(80	30	5	40670	99521005	59	9
15605	8803-K6	2	18	40670	9964700	59	20
40670	9040950			40670	9965700	59	20
40670	9048506	74	2	40670	9965900	74	6
				E-249	K		

# APPENDIX F EXPENDAB8E SUPPLIES AND MATERIALS LIST

### Section I. INTRODUCTION

### F-1. Scope

This appendix Lists expendable supplies and materials you wi8l need to operate and maintain the semitrailer, van: electronic, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739, XM739E1, XM822, XM823, XM824, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913. These items are authorized to you by CTA50-970, Expendable Items (Except Medical, Class V, Repair Parts, and Heraldic Items).

## F-2. Explanation of Columns

- a. Column 1-Item Number. This number is assigned to the entry in the listing and is referenced in the narrative instructions to identify the material (e.g., "Use cleaning solvent, item 19, appendix F").
- b. Column 2-Level. This column identifies the lowest level of maintenance that requires the listed item.

- C Operator/Crew
- 0 Organizational Maintenance
- F Direct Support Maintenance
- H General Support Maintenance.
- c. Column 3-National Stock Number. This is the National stock number assigned to the item; use it to request or requisition the item.
- d. Column 4-Description. Indicates the Federal item name and, if required, a description to identify the item. The last line for each item indicates the part number followed by the Federal Supply Code for Manufacturer (FSCM) in parentheses, if applicable.
- e. Column 5-Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

(1)	(2)	(3)	(4)	(5)
ITEM		NATIONAL STOCK	DESCRIPTION	
I I CIVI	LEVEL	NUMBER		U/M
1	С	5110-00-293-2336	AXE Single bit, 4-3/4 cutting edge, 4 8b head weight, 36 in hand8e	ea
2	C, 0		CONTAINER Box, manual (11603170) GREASE Automotive and artillery, M18-G- 10924	ea
3	C, O	9150-00-190-0904	1 8b Can	ea
4	C, O	9150-00-190-0905	5 8b Can	ea
5	C, O	9150-00-190-0907	35 8b Can	ea
6	C	5120-00-254-6613	HANDLE, MATTOCK, PICK Railroad or clay pick, 36 in 8g, grade AA HYDRAULIC FLUID, NONPETROLEUM BASE, AUTOMOTIVE (HB) VV-F-451a	ea
7	C, O	9150-00-252-6375	1 Gal Can	ea
			HYDRAULIC FLUID, NONPETROLEUM BASE, AUTOMOTIVE (ARCTIC TYPE) MIL-H-13910	
8	C, O	9150-00-252-6375	1 Gal Can LUBRICATING OIL, INTERNAL COM- BUSTION ENGINE Spec MIL-C-21046, OE/HDO-30	ea
9	0	9150-00-186-6681	1 Qt Can, Type 1	ea
10	0	9150-00-188-9858	5 Gal Can	ea
11	0	9150-00-188-9859	55 Gal Drum (16 Ga)	ea
12	0	9150-00-189-6759	55 Gal Drum (18 Ga) LUBRICATING OI8, INTERNAL COM- BUSTION ENGINE APG PD No 1 Sub Zero	ea
13	0	9150-00-402-4478	1 Qt Can, Type 1	ea
14	0	9150-00-402-2372	5 Gal Can	ea
15	0	9150-00-407-0972	55 Gal Drum (16 Ga)	ea
16	0	9150-00-491-7197	55 Gal Drum (18 Ga)	ea
17	C	5120-00-243-2395	MATTOCK Pick type, 5 lb, w/o handle	ea
18	С	5120-00-293-3336	SHOVEL, HAND Round point, D handle, short SOLVENT, CLEANING PD-680	ea
19	C, 0	6850-00-264-9038	1 Gal Can	ea
	1	ı	F-2	'

# APPENDIX G ILLUSTRATED LIST OF MANUFACTURED ITEMS

### G-1. INTRODUCTION

This appendix includes complete instructions for making items authorized to be manufactured or fabricated at organizational maintenance.

A part number index in alphanumeric order is provided for cross-referencing the part number of

the item to be manufactured to the figure which covers fabrication criteria.

Bulk materials needed for manufacture of an item are listed by part number and NSN in the following tabular listing:

## Tabular listing of manufactured items

Part number of item	Figure no	Required number of feet of wire M13486-1-5 6145-00-152-6499	Required number of feet of wire M13486-1-9 6145-00-538-8222
4000074	0.45	405	
10882274	G-15	495	
10882275	G-16	170	
10891478	G-15	451	
11681234	G-9	196	
11681236	G-8	330	
11683187	G-2	170	
11684313	G-12	413	
11684314	G-1	220	
11684315	G-18		33
11684316	G-19	50	
11684318	G-1	188	
11684383	G-21	157	
1168465	G-17	356	
11684466	G-20	74	
3486925	G-3	372	
3670910	G-6	485	
3670913	G-7	113	
3670914	G-14	63	
4042900	G-4	194	
9048930	G-13	205	
9048940	G-11	525	
9772900	G-10	204	
9772901	G-5	578	

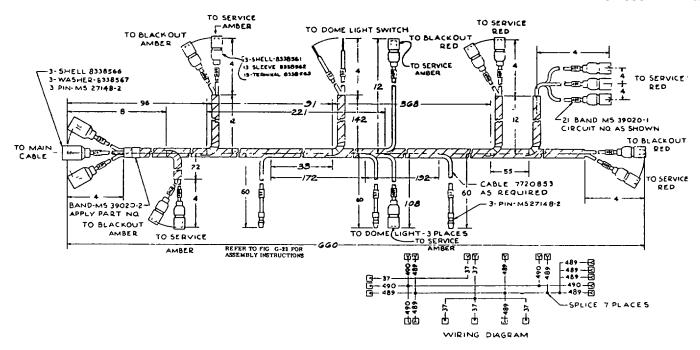


Figure G-1. Wiring harness 11684314, 11684318.

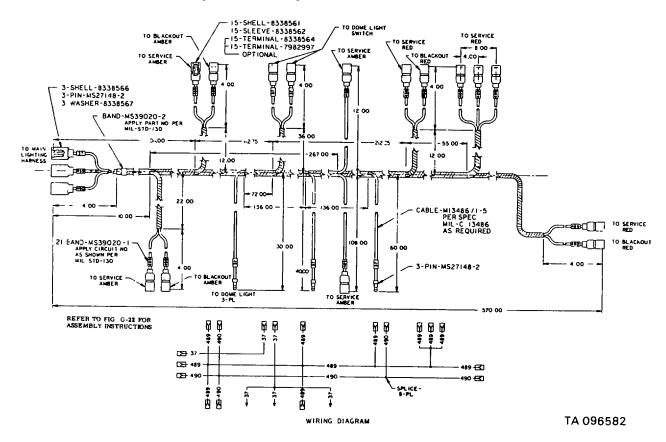


Figure G-2. Wiring harness 11683187.

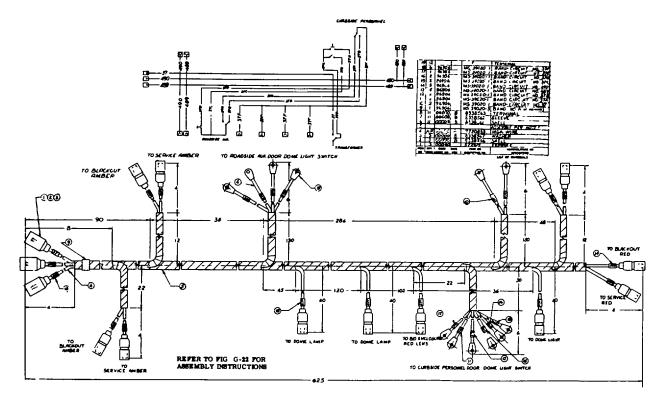


Figure G-3. Wiring harness 3486925.

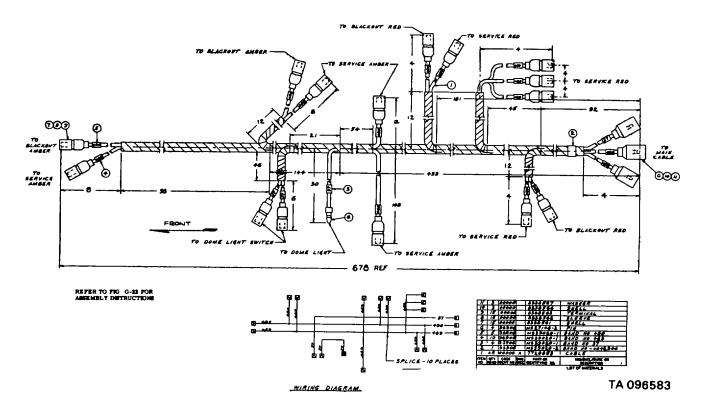


Figure G-4. Wiring harness 4042900.

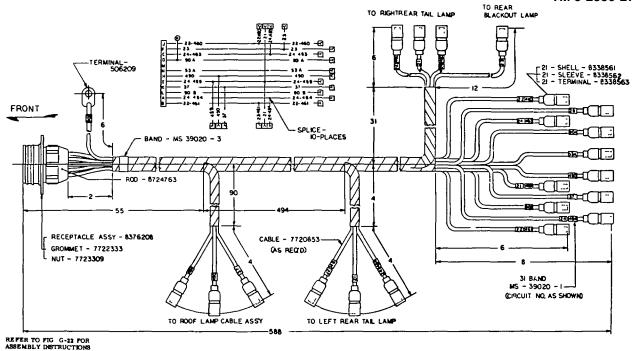


Figure G-5. Wiring harness 9772901.

PLUG SPARE GROMMET HOLE WITH INDICATED ROD

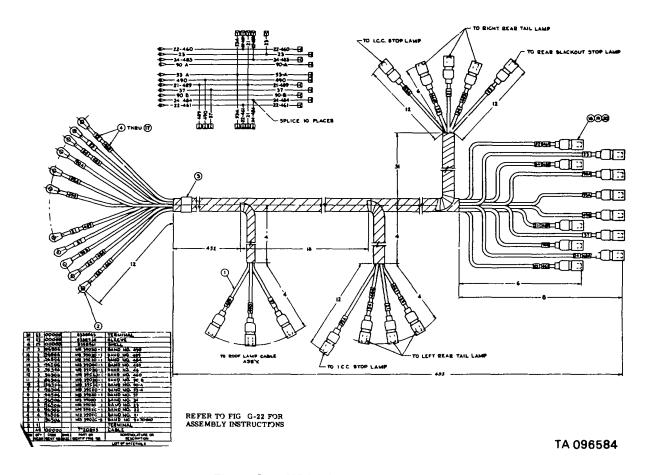


Figure G-6. Wiring harness 3670910.

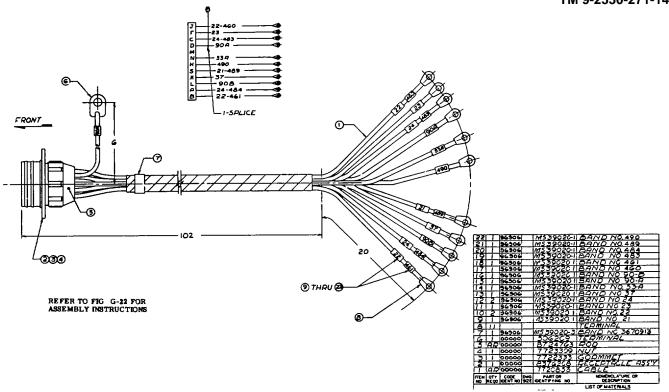


Figure G-7. Wiring harness 3670913.

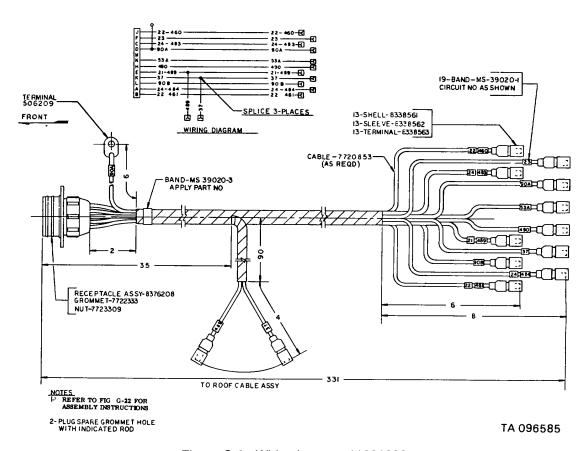


Figure G-8. Wiring harness 11681236.

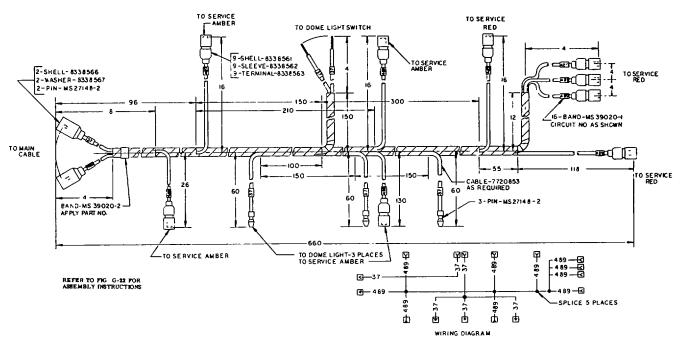


Figure G-9. Wiring harness 11681234.

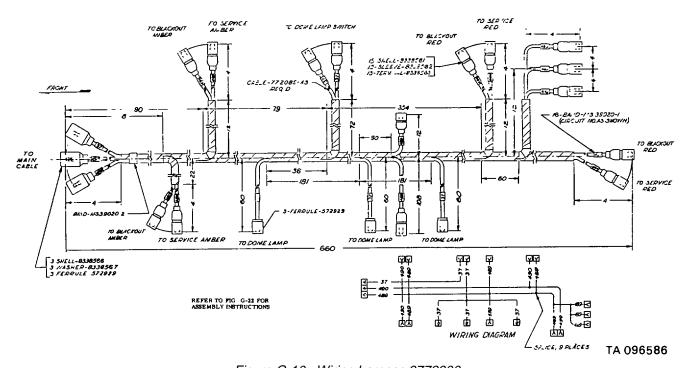


Figure G-10. Wiring harness 9772900.

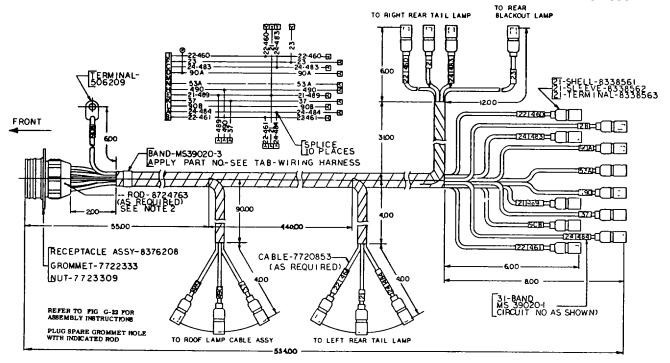


Figure G-11. Wiring harness 9048940.

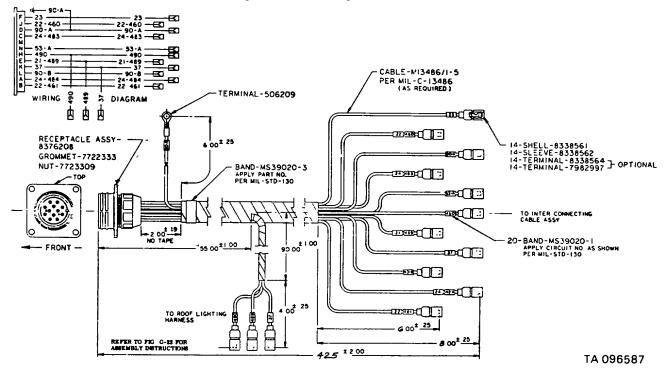


Figure G-12. Wiring harness 11684313.

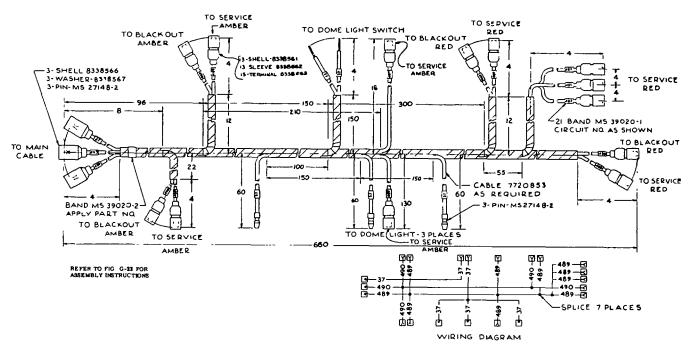


Figure G-13. Wiring harness 9048930.

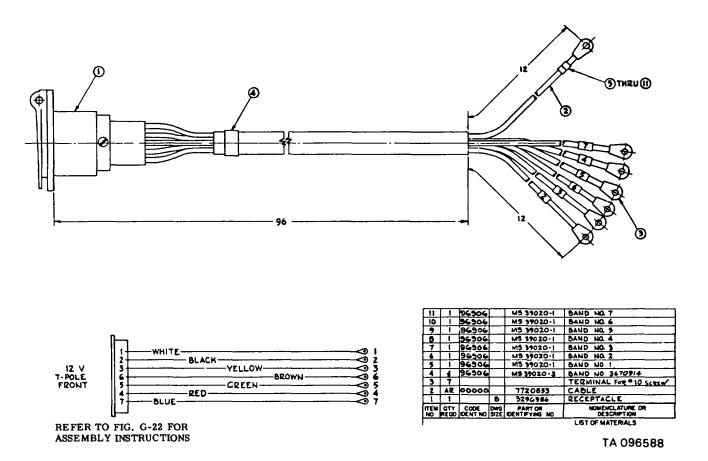
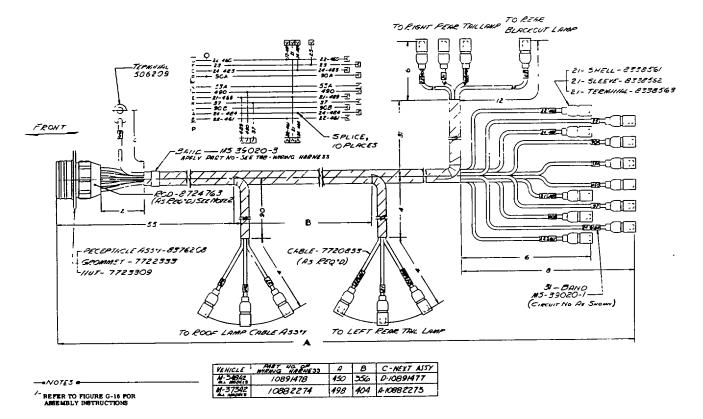


Figure G-14. Wiring harness 3670914.



<sup>2.</sup> PLUG SPAPE GROMMET HOLE WITH HOLE WITH

Figure G-15. Wiring harness 10882274, 10891478.

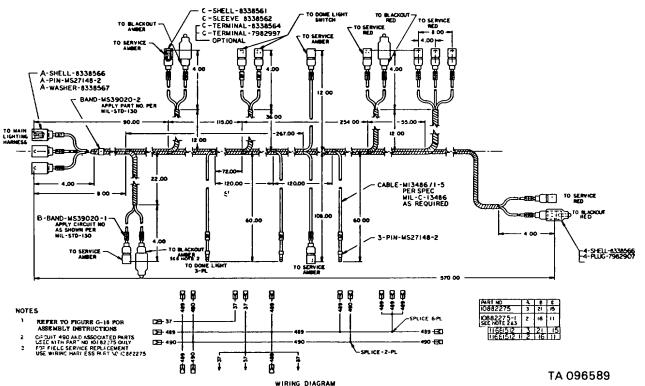


Figure G-16. Wiring harness 10882275.

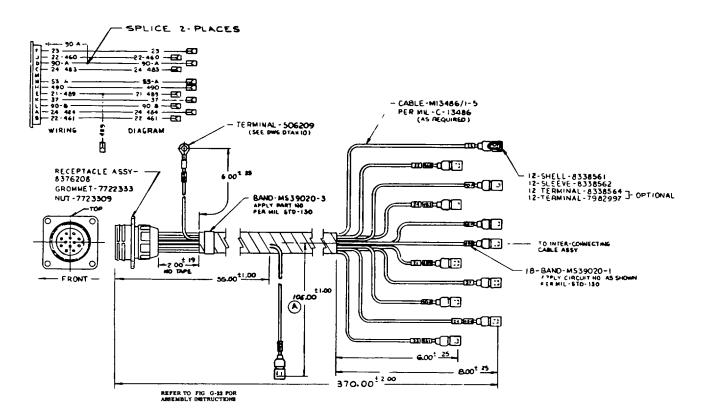


Figure G-17. Wiring harness 11684465.

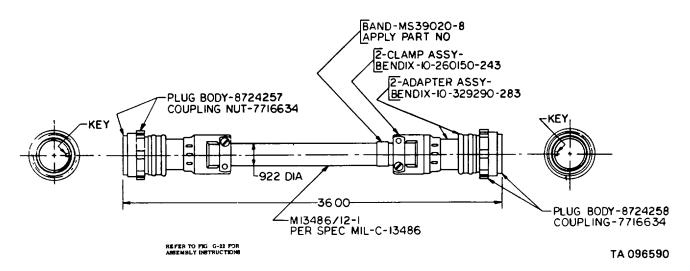


Figure G-18. Cable assembly 11684315.

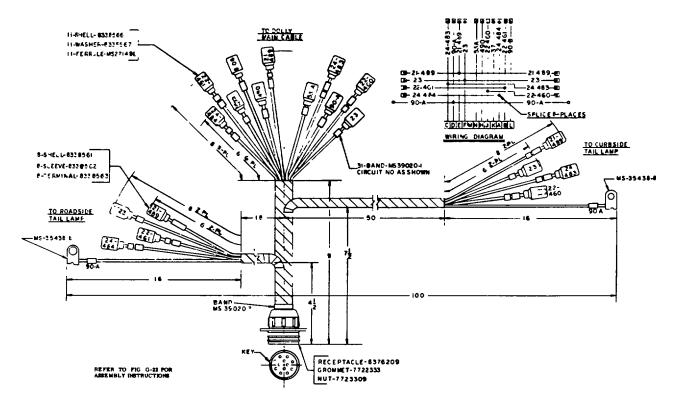


Figure G-19. Wiring harness 11684316.

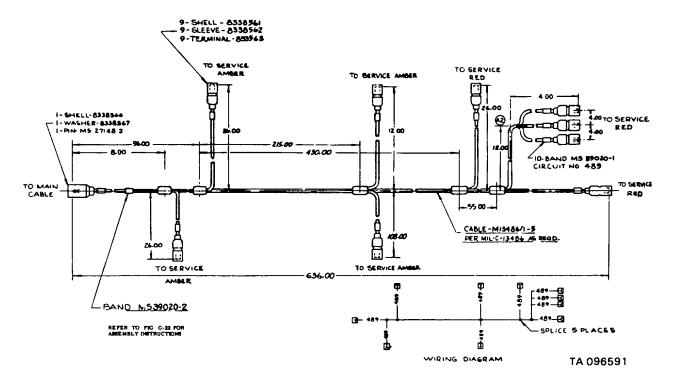


Figure G-20. Wiring harness 11684466.

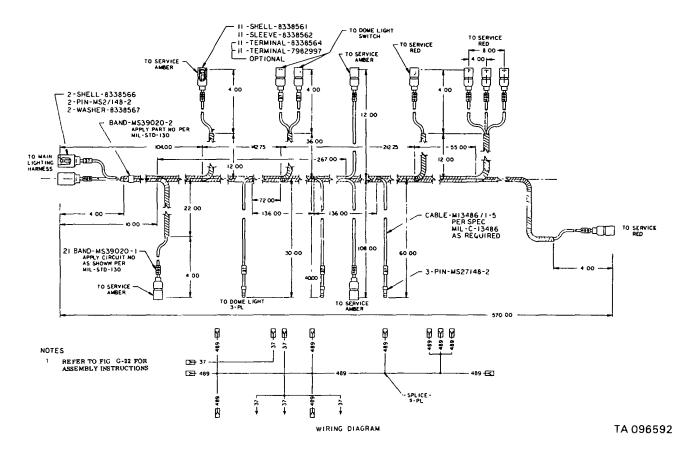


Figure G-21. Wiring harness 11684383.

1. BINDING: (USE A OR B)

A. CABLES SHALL BE BOUND TOGETHER WITH ONE HALF OVER-LAPPING TURNS OF TAPE, THICKNESS .010, WIDTH  $3/4\pm1/4$ . COLOR BLACK, SPEC HH-1-595, OR TAPE, TYPE EF-9, WIDTH  $3/4\pm1/4$ , COLOR BLACK, SPEC MIL-I-15126, OR

B. CABLES SHALL BE BOUND TOGETHER WITH ONE-HALF OVER-LAPPING TURNS OF INSULATION, TYPE A OR TYPE F. FORM TS, GRADE A, CLASS 1, THICKNESS 008, WIDTH 3/4±1/4, COLOR BLACK, SPEC MIL-1-631. INSULATION MUST BE WRAPPED IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE AND ENDS MUST BE SECURED TO PREVENT UNRAVELING.

#### 2 CRIMP

CRIMP PIN CONTACTS (FERRULES), TERMINALS AND SPLICING CONNECTORS TO CABLES (CONDUCTORS AND/OR INSULATION) TO MEET PERFORMANCE REQUIREMENTS OF SPEC MIL-T-13513.

NOTE: DO NOT DISTORT SKIRTS OF PIN CONTACTS (MS27148) WHEN CRIMPING TO CONDUCTORS.

#### 3. SOLDER:

SOLDER CONDUCTORS TO PIN AND SOCKET CONTACTS AND (SOLDER-TYPE) TERMINALS AND TERMINAL ASSEMBLIES IN ACCORDANCE WITH REQUIREMENT 5 OF SPEC MIL-STD-454.

#### 4. SPLICE:

SPLICED CONDUCTORS MUST MEET REQUIREMENTS OF SPEC MIL-T-13513 FOR PERFORMANCE.

SPLICED CONDUCTORS MUST BE ADEQUATELY INSULATED AND THE INSULATION MUST BE SEALED TO EACH CABLE'S INSULATION.

COMPLETED SPLICES MUST MEET THE REQUIREMENTS OF SPEC MIL-C-13486 FOR THE FOLLOWING PHYSICAL PROPERTIES: HIGH VOLTAGE TO GROUND (HIGH POTENTIAL), FUNGUS RESISTANCE, RESISTANCE TO OIL ABSORPTION, RESISTANCE TO IMMERSION IN LIQUIDS, FLAMMABILITY, RESISTANCE TO OZONE, HIGH TEMPERATURE RESISTANCE.

THE FOLLOWING SUGGESTED METHODS FOR INSULATING SPLICED CONDUCTORS HAVE DEMONSTRATED THEIR ABILITY TO MEET THE ABOVE REQUIREMENTS:

METHOD 1.— VULCANIZE, USING RUBBER, SYNTHETIC, GRADE SC 515 OR SC 615, A1, B1, C1, F1, SPEC MIL-R-3065. THICKNESS OF RUBBER OVER EXPOSED CONDUCTORS SHALL BE 1/8 TO 5/32 AND IS TO OVERLAP ADJACENT INSULATION FOR A DISTANCE OF AT LEAST 3/16 AND A MINIMUM THICKNESS OF 1/32 OR AS SPECIFIED ON ORAWING.

METHOD 2. — INSULATE, USING HEAT-SHRINKABLE, PREMOLDED SPLICE COVERS, TRANSITIONS AND BOOT CONFIGURATIONS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

APPROVED SOURCE: RAYCLAD TUBES, INC, REDWOOD CITY, CALIE.
ALL SOURCES MUST COMPLY WITH THE PHYSICAL AND FUNCTIONAL
REQUIREMENTS OF THE MANUFACTURER'S ITEM INDICATED. ARMY
ENGINEERING APPROVAL IS REQUIRED.

5. PLUG ALL SPARE GROMMET HOLES WITH ROD OF DIAMETER AND LENGTH AS REQUIRED. TA 096502

Figure G-22. Wiring harness assembly instructions.

# APPENDIX H TORQUE LIMITS

### H-1. General

This appendix lists the torque limits used on XM991 and XM995 semitrailers.

# H-2. Torque Limits

The torque limits are listed in table H-1.

Table H-1. Torque limits.

Nut size	Torque limits (lb-ft)
Air Ride Suspension and Air Mounted	
Kıngpın	
1/2 inch	25 lb-ft
5/8 inch	150 lb-ft
3/4 inch	200 lb-ft
3/4 inch (air spring only)	20 lb-ft
7/8 inch	300 lb-ft
1 inch	450 lb-ft
1 1/8 inch	700 lb-ft
1 1/4 inch	900 lb-ft
Piston nut inside air spring	50 lb-ft
Wheel nuts	450-500 lb-ft

# ALPHABETICAL INDEX

	Paragraph	Page
Absorber, shock, air mounted kingpin	4.50	4.0=
Installation and removal	. 4-59	4-65
Absorber shock, air suspension	4.57	4.60
Installation and removal	. 4-37	4-62
Inspection and repair	<i>1</i> _71	4-69
Installation		4-69
Removal of covers, hinges and cover shields		4-69
Removal of shield assembly		4-69
Additional authorization list		C-2
Adjustment	Appendix C	0-2
Air mounted kingpin	. 4-58	4-64
Air suspension		4-59
Brake		4-40
Wheel bearing.	-	4-50
Aircraft loading, XM844, XM845		4-1
Aircraft loading, XM844, XM845		4-1
Aircraft loading, XM847, XM848, XM849, XM912, XM913		4-4
Air chamber, brake		
Description	. 4-39	4-46
Installation		4-46
Leakage test		4-46
Push rod travel		4-46
Removal		4-46
Air conditioner, XM654		
Installation	. 9-2	9-1
Operation for cooling		2-8
Operation for heating		2-8
Remote control unit installation		9-2
Remote control unit removal		9-2
Removal		9-1
Air conditioner, XM680, XM580E1		
Installation	. 9-4	9-2
Operation for cooling		2-8
Operation for heating		2-8
Remote control unit installation		9-3
Remote control unit removal		9-3
Removal		9-2
Air conditioner, XM822		
Installation	. 9-6	9-4
Operation for cooling.	. 2-16	2-8
Operation for ventilation.	. 2-16	2-8
Remote control unit installation	. 9-7	9-4
Remote control unit removal	. 9-7	9-4
Removal	. 9-6	9-4
Air filter		
Description	. 4-31	4-37
Installation	. 4-40	4-47
Removal	. 4-40	4-47
Service	. 4-40	4-47
Air half coupling		
Cleaning	. 4-43	4-48
Description	. 4-43	4-48
Inspection and replacement.	4-43	4-48
Installation		4-48
Operation	. 2-7	2-5
Packing removal and replacement	. 4-43	4-48
Removal and disassembly	4-43	4-48

	Paragraph	Page
Air and hydraulic hose, tubing, and fittings		
Removal and installation of hydraulic hose		4-49
Removal and installation of tube fittings		4-49
Serviceability test	. 4-44	4-49
Air line, emergency, brake system	. 4-31	4-37
Air line, service, brake system		4-37
Air mounted fifth wheel kingpin, XM847, XM848, XM849, XM850, XM912, XM913		
Adjustment	. 4-58	4-64
Description		4-64
Installation and removal of air spring		4-65
Installation and removal of fifth wheel plate and hinge components		4-65
Installation and removal of adjusting rod		4-65
Installation and removal of shock absorber	. <del>1</del> -59	4-65
Theory of operation		4-64
Air reservoir	. 4-30	4-04
	4.24	4.27
Description		4-37
Installation		4-48
Leakage test		4-48
Removal		4-48
Air shipment, XM844, XM845		4-1
Air shipment, XM847, XM848, XM849, XM912, XM913	. 4-5	4-4
Air spring, air mounted kingpin		
Installation and removal	. 4-59	4-65
Air spring, suspension system		
Installation and removal	. 4-57	4-62
Air Suspension system		
Adjustment	. 4-57	4-62
Description		4-62
Installation and removal of adjusting rod		4-64
Installation and removal of air spring		4-64
Installation and removal of axle connection and components		4-64
Installation and removal of height control valve		4-64
Installation and removal of rubber bushing		4-64
Installation and removal of shock absorber	. 4-30	4-64
		_
Installation and removal of torsion bar		4-64
Theory of operation	. 4-57	4-62
Air Vent components Installation	4.70	4.00
		4-68
Removal of screen		4-68
Removal of vent cover and rainshield	. 4-70	4-68
Axle, XM574, XM574E1, XM654, XM680, XM68OE1, XM738, XM739, XM822, XM823, XM824		
Assembly of new axle		6-1
Cleaning		6-1
Inspection	. 6-2	6-1
Installation	. 6-2	6-1
Removal	. 6-2	6-1
Repair	. 6-2	6-1
Axle, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913		
Assembly of new axle	. 6-3	6-4
Cleaning	. 6-3	6-4
Inspection and repair		6-4
Installation		6-4
Removal		64
Axle and bracket assembly, XM574, XM574E1, XM654, XM680, XM680E1, XM738, XM739,		٠.
X4789E1, XM822, XM823, XM824		
Installation	. 5-8	5-3
Removal		5-3
Spring seat		6-6
· · ·	. 0-5	0-0
Axle connections and components, air suspension	1-57	1 60
Installation and removal	. 4-57	4-62
Bearing, wheel	4 47	4 50
Adjustment		4-50
Installation		4-50
Removal	. 4-41	4-50

	Paragraph	Page
Bleeding hydraulic brake system  Manual bleeding	4-33	4-41
Pressure feed filler bleeding		4-41
		2-7
Bows, tarpaulin		2-7 4-40
Brake adjustment	4-32	4-40
Brake air chamber	4 24	4 27
Description		4-37
Installation		4-46 4-46
Leakage test		
Push rod travel		4-46 4-46
Removal	4-39	4-40
Brake backing plate	4.07	4-44
Inspection and repair		
Installation		4-44
Removal	4-37	4-44
Brake drum	4 47	4.50
Cleaning and inspection		4-50
Description		4-37
Inspection		4-50
Installation		4-50
Removal		4-50
Repair	6-4	6-6
Brakes, service	4.00	4 40
Adjustment		4-40
Bleeding		4-41
Brake mechanism		4-37
Brake shoe inspection		4-42
Brake shoe installation		4.42
Brake shoe removal		4-42
Description		4-37
Principles of operation		4-37
Wheel cylinder installation		4-44
Wheel cylinder removal	4-36	4-44
Brake system hose, tubing, and fittings	4.44	4 40
Installation		4-49
Removal		4-49
Serviceability test	4-44	4-49
Breaker, circuit, XM654, XM822	4-20	4-32
Installation	-	4-32 4-32
Removal		4-32 4-32
Testing	4-20	4-32
Bumper, rear Installation	4-61	4-67
Removal		4-67
Cable, special, 12-volt		4-07
Carrier, spare wheel	4-14	4-14
Cleaning	4-48	4-51
Description		4-51
Inspection and repair		4-51
Installation		4-51
Removal	_	4-51
Replacement of wire rope	_	4-51
Chamber, air brake	4-40	4-51
Description	4-39	4-46
Installation		4-46 4-46
		4-46
Leakage test Push rod travel		4-46 4-46
Removal		4-46
Circuit breakers, XM654, XM822	<del>4</del> -03	4-40
Installation	4-20	4-32
Removal		4-32
Testing	-	4-32
Cleaning		3-5

	aragrapn	Page
Clearance light	4.00	4.00
Cleaning, inspection, and replacement		4-32
Description		4-32
Installation		4-32
Lamp replacement		3-11
Removal	. 4-22	4-32
Installation	. 4-17	4-31
Removal	. 4-17	4-31
Clutch assembly, door		
Installation and removal	. 4-67	4-68
Cock, drain, air reservoir		
Description	. 2-8	
Installation	. 4-42	4-48
Leakage test	. 4-42	4-48
Removal	. 4-42	4-48
Components of end item	.Appendix B	
Control unit, remote, air conditioner		
Installation, XM654	. 9-3	9-2
Installation, XM680, XM680E1	. 9-5	9-3
Installation, XM822		9-4
Removal, XM654	. 9-3	9-2
Removal, XM680, XM680E1		9-3
Removal, XM822		9-4
Control unit, remote, heater, XM822		
Installation of thermostatic switch	. 9-9	9-4
Removal of thermostatic switch	. 9-9	9-4
Coupling, air half		
Cleaning	. 4-43	4-48
Description		4-37
Inspection and replacement		4-48
Installation		4-48
Operation		
Packing removal and replacement		4-48
Removal and disassembly		4-48
Coupling, dummy Description		4-37
Operation		2-5
Coupling semitrailer to towing vehicle		2-3
Crank, landing gear		2-1
Cylinder, master, hydraulic	. 2-3	2-2
Description	. 4-31	4-37
Installation		4-46
Removal	. 4-38	4-46
Service		4-46
Cylinder, wheel		
Description	. 4-31	4-37
Installation		4-44
Removal		4-44
Data, tabulated		1-39
Decontamination port components		. 00
Installation	. 4-69	4-68
Removal of cover gasket		4-69
Removal of housing gasket		4-69
Removal of screen and gasket	-	4-68
Destruction of army materiel to prevent enemy use		. 00
Differences m models	. 1-8	1-37
Dolly assembly		. 07
Description	. 4-72	4-69
Installation		4-70
Removal		4-70

	Paragraph	Page
Doors	4.04	4.0=
Cleaning		4-67
Clutch assembly		4-68
Gasket, handle	4-68	4-68
Hinges		4-67
Inspection and repair		4-67
Installation	. 4-64	4-67
Lock	. 4-66	4-68
Removal	. 4-64	4-67
Seals	. 4-68	4-68
Dram cock, air reservoir		
Cleaning and inspection	. 4-42	4-48
Description		2-5
Installation		4-48
Leakage test		4-48
Removal		4-48
Drum, brake		0
Cleaning	. 4-47	4-50
Description		4-37
Inspection		6-6
·	-	4-50
Inspection and replacement		4-50
Installation		
Removal		4-50
Repair		6-6
Emergency air line, brake system		4-40
Escape lock assembly		2-7
Equipment data		1-39
Expendable supplies and materials	.Appendix F	F-2
External power entry receptacle, XM822		
Cleaning and inspection	. 4-16	4.31
Installation	. 4-16	4-31
Removal	. 4-16	4-31
Extinguisher, fire	. 2-18	2-9
Extreme cold weather maintenance	. 4-75	4-71
Extreme hot weather maintenance	. 4-76	4-71
Fifth wheel plate, air mounted kingpin		
Installation and removal	. 4-59	4-66
Fifth wheel plate, resilient kingpin		
Installation and removal	. 4-60	4-66
Fire extinguisher		2-9
Fording operation		2-11
Forms, records and reports		1-1
Gasket, decontamination port		
Installation	. 4-69	4-68
Removal		4-68
Gasket, door handle		4-68
Gear, landing, rigid		. 00
Assembly	. 7-6	7-2
Cleaning and inspection		4-54
Crank		2-2
	-	7-1
Disassembly		7-1 7-1
Inspection and repair		
Installation		4.54
Installation of wheels		4.54
Operation		2-2
Removal		4-52
Removal of wheels	. 4-51	4-52
Gear, landing, swing-up	4.50	
Cleaning and inspection		4-54
Description		4-52
Installation		4.54
Operation		2-4
Removal	. 4-52	454
Guard, splash		
Installation	. 4-62	4-67
Removal	. 4-62	4-67

	aragraph	Page
Harness, wiring	<b>5</b> 4	<b>5</b> 0
Installation	-	5-2
Removal		5-2
Replacement of single wires	. 5-6	5-2
Heater thermostatic switch		
Installation	. 9-9	9-4
Removal	. 9-9	9-4
Heating system, XM822		
Description	. 2-17	2-9
Installation		9-4
Installation of heating element		9-4
Installation of thermostatic switch		9-4
Operation		2-9
Removal of heating element		9-4
Removal of thermostatic switch		9-4
		9- <del>4</del> 9-4
Removal	. 9-9	9-4
Hinge, door	4.05	4.07
Removal and installation	. 4-65	4-67
Hose, tubing and fittings		
Removal and installation of hydraulic hose		4-49
Removal and installation of tube fittings		4-49
Serviceability test	. 4-44	4-49
Hub and brake drum assembly		
Installation on axle	. 4-47	4-50
Removal from axle		4-50
Hub, wheel		
Description	. 4-31	4-37
Inspection		4-50
Installation		4-50
Removal		4-50
	. 4-47	4-50
Hydraulic and air hose, tubing, and fittings	4 44	4 40
Removal and installation of hydraulic hose		4-49
Removal and installation of tube fittings		4-49
Serviceability test		4-49
Identification marking	. 3-5	3-5
Identification Plate		
Description	. 1-9	1-39
Inspection	. 4-73	4-73
Installation	. 4-73	4-73
Removal	. 4-73	4-73
Inspection and servicing equipment	. 4-2	4-1
Intervehicular cable receptacle		
Cleaning and inspection	. 4-15	4-30
Installation		4-30
Removal		4-30
Jack, leveling	. + 10	4 00
Description	. 4-49	4-52
		4-52
Inspection		_
Installation		4-52
Operation		2-6
Removal	. 4-49	4-52
Jack, leveling, center, XM738, XM739, XM739E1		
Inspection		4-52
Installation	. 4-50	4-52
Removal	. 4-50	4-52
Kingpin, air mounted		
Adjustment	. 4-58	4-65
Description		4-64
Installation and removal of air spring		4-65
Installation and removal of fifth wheel plate and hinge components		4-66
Installation and removal of shock absorber		4-66
Kingpin, resilient	. + 00	<del>-1</del> -00
Description	. 4-60	4-66
		4-66 4-66
Installation		
Removal	. 4-60	4-66

	Paragraph	Page
Ladders	0.44	
Description		2-7
Installation	2-11	2-7
Landing gear, rigid	7.6	7.0
Assembly		7-2 7-1
Cleaning Cleaning and inspection		4-53
Description		4-52
Disassembly		7-1
Inspection and repair	_	7-1 7-1
Installation		4-54
Installation of wheels	-	4-54
Operation	-	2-2
Removal		4-52
Removal of wheels		4-54
Landing gear, swing-up		
Cleaning and inspection	4-52	4-54
Description		4-54
Installation		4-54
Operation		2-4
Swing-up procedure		2-4
Removal		4-52
Leakage test		
Air reservoir	4-42	4-48
Brake air chamber	4-39	4-46
Drain cock	4-42	4-48
Hose and tubing	4-44	4-49
Relay valve	4-41	4-47
Level assembly		
Description	4-74	4-70
Installation	4-74	4-70
Removal	4-74	4-70
Leveling jack		
Description		4-52
Inspection		4-52
Installation		4-52
Operation		2-6
Removal	4-49	4-52
Leveling jack, center	4.50	4.50
Inspection		4-52
Installation		4-52
Removal		4-52 2-7
Leveling, van body	2-10	2-1
Light, blackout, dome, 110-volt, XM822  Cleaning, inspection and repair	4-29	4-36
Installation		4-36
Lamp installation		3-12
Lamp removal		3-12
Removal		4-36
Light, blackout stop, all models except XM822, XM844, XM845, XM847, XM848, XM849,	4-23	+-30
XM850, XM912, XM913		
Assembly	4-24	4-34
Cleaning	— .	4-34
Disassembly		4-34
Inspection and replacement		4-34
Installation		4-34
Lamp installation		3-11
Lamp removal		3-11
Removal		4-34
Light, composite, stoplight, taillight, XM822, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913	= .	
Cleaning	4-25	4-34
Disassembly	_	4-34
Inspection		4-35
Installation		4-35
Lamp replacement		3-11
Removal	4-25	4-34

	Paragrapn	Page
Light, dome, 24-volt, all models except XM912, XM913  Cleaning	. 4-27	4-35
		4-35 4-35
Inspection and repair		4-35 4-35
Lamp installation		3-12
Lamp removal		3-12
Removal		4-35
Light, dome, 110-volt, XM654, XM680, XM680E1, XM822	. 4-21	4-33
Cleaning, inspection and repair	4-28	4-36
Installation		4-36
Lamp installation		3-12
Lamp removal		3-12
Removal		4-36
Light, marker clearance		
Cleaning, Inspection and replacement	. 4-22	4-32
Description		4-32
Installation		4-32
Lamp replacement	. 3-9	3-11
Removal		4-32
Light, stoplight, ICC, XM654		
Cleaning	. 4-26	4-35
Inspection and repair	. 4-26	4-35
Installation	. 4-26	4-35
Lamp installation		3-12
Lamp removal	. 3-13	3-11
Removal	· 4-26	4-35
Light, stoplight, taillight, all models except XM822, XM844, XM845, XM847, XM848, XM849, XM850, XM912, XM913		
Assembly		4-33
Cleaning		4-33
Disassembly	. 4-23	4-33
Inspection		4-33
Installation		4-33
Lamp installation		3-11
Lamp removal		3-11
Removal	. 4-23	4-33
Lighting fixture, fluorescent	4.00	4.07
Ballast installation		4-37
Ballast removal		4-36
Cleaning, inspection and repair		4-36 4-37
Installation		3-12
Lamp installationLamp removal		3-12
Removal		4-36
Loading, aircraft, XM844, XM845	. <del>1</del> -30	4-30 4-2
Loading, aircraft, XM847, XM848, XM849, XM912, XM913		4-4
Lock, door		
Inspection and repair	. 4-66	4-68
Installation		4-68
Removal		4-68
Lock, door, escape		
Inspection and repair	. 4-66	4-68
Installation		4-68
Operation	. 2-13	2-7
Removal	. 4-66	4-68
Lubrication	. 3-2	3-5
Maintenance		
After fording	. 4-77	4-71
Cold weather		4-71
Hot weather		4-71
Operation on unusual terrain		4-71
Maintenance allocation chart	.Appendix D	D-2
Maintenance, preventive, checks and services	0.7	o =
Operator		3-7
Organizational		4-7
Marking, identification	. 3-5	3-5

	Paragraph	Page
Master cylinder	4.04	4.0=
Description		4-37
Installation	4-38	4-46
Removal	4-38	4-46
Service	4-38	4-46
Movement to new worksite	4-3	4-1
Operating test		
Relay valve	4-41	4-47
Operation under unusual conditions		
Dusty or sandy areas	2-22	2-10
Extreme cold	2-20	2-9
Extreme heat	2-21	2-10
Fording	2-26	2-11
Humid or rainy conditions		2-10
Mud and snow		2-10
Salt water areas		2-11
Painting		3-5
Pintle assembly	3-3	3-3
	4-63	4-67
Inspection		4-67 4-67
Installation		4-67 4-67
Removal	4-63	4-67
Plate, backing, brake	4.07	4 45
Inspection and repair		4-45
Installation		4-45
Removal	4-37	4-44
Plate, Identification		
Description		1-39
Inspection	4-73	4-70
Removal and installation	4-73	4-70
Power receptacle, XM822		
Cleaning and inspection	4-16	4-31
Description	4-16	4-30
Installation	4-16	4-31
Removal	4-16	4-31
Preparing semitrailer for operation		2-1
Preventive maintenance checks and services		
Operator	3-7	3-7
(see table 3-1)		0.
Organizational	4-11	4-7
(see table 4-1)		• •
Purging ducts, XM822	1-8	1-37
Purging time clock, XM822	10	1 07
Installation	<i>1</i> <sub>-</sub> 17	4-31
Removal		4-31
Quality assurance/quality control		
		1-1
Railroad shipment of semitrailer	4-6	4-7
Receptacle, 110-volt, XM654, XM680, XM680E1, XM822	4.40	4.00
Installation and removal	4-19	4-32
Receptacle, intervehicular cable	4.45	4.00
Cleaning and inspection		4-30
Installation		4-30
Removal	-	4-30
Records	1-2	1-1
References	Appendix A	
Reflector		
Installation	4-21	4-32
Removal	4-21	4-32
Relay valve		
Description	4-31	4-37
Drainage of moisture		4-47
Installation		4-48
Leakage test	11 11	4-48
Operating test		4-47
Removal		4-48
		0

	Paragraph	Page
Remote control unit, air conditioner	0.0	0.0
Installation, XM654		9-2
Installation, XM680, XM680E1		9-4
Installation, XM822		9-4
Removal, XM654	9-3	9-2
Removal, XM680, XM680E1	9-5	9-3
Removal, XM822	9-7	9-4
Remote control unit, heater, XM822		
Installation of thermostatic switch	9-9	9-5
Removal of thermostatic switch		9-5
Repair parts and special tools list		Ē-1
Repair standards	• •	6-3
Reservoir, air	table o i	0.0
Description	1-12	4-48
Installation		4-48
Leakage test		4-48
Removal	4-42	4-48
Resilient kingpin		
Description		4-66
Installation	4-60	4-66
Removal	4-60	4-66
Rod, torque		
Cleaning	8-3	8-2
Inspection and repair		8-2
Installation		4-58
Removal		4-58
Rubber bushing, air suspension	00	. 00
Installation and removal	4-57	4-62
Screen, air vent	+-57	<del>1</del> -02
Installation and removal	4.70	4-69
	4-70	4-69
Screen, decontamination port	4.00	4.00
Installation and removal	4-69	4-68
Seal, door		
Removal and installation	4-68	4-68
Seat, spring		
Installation	4-54	4-58
Removal	4-54	4-57
Service air line, brake system	4-31	4-37
Serviceability test		
Air and hydraulic tube and hose	4-44	4-49
Servicing equipment		4-1
Shield assembly, access opening		
Installation and removal	4-71	4-69
Shipment, air		4-4
Shipment, railroad		4-7
Shock absorber, air mounted kingpin		
Installation and removal	4-59	4-65
Shock absorber, air suspension	4-03	4-03
Installation and removal	1 57	4.60
	4-57	4-62
Spare wheel carrier	4.40	
Cleaning		4-51
Description	4-48	4-51
Inspection and repair	4-48	4-51
Installation	4-48	4-52
Removal	4-48	4-51
Replacement of wire rope	4-48	4-51
Spare wheel and tire		
Removal and installation	2-9	2-6
Splash guard	-	-
Installation	4-62	4-67
Removal	-	4-67
Spring, air, air mounted kingpin	→-∪∠	4-01
Installation and removal	4-59	4-66
	4-08	4-00
Spring, air, air suspension	1 57	4.60
Installation and removal	<del>4-</del> 3/	4-63

	Paragraph	Page
Spring seat, axle and bracket assembly	0.5	0.0
Cleaning		6-6
Inspection and repair		6-6
Installation		6-7
Removal	6-5	6-6
Springs		
Assembly of helper spring		8-2
Assembly of main spring		8-2
Cleaning		8-1
Cleaning spring leaves		8-2
Disassembly		8-1
Inspection and repair		8-1
Installation		4-57
Removal	4-53	4-55
Support and adjuster assembly	4.07	4 45
Inspection and repair		4-45
Installation		4-45
Removal	4-37	4-44
Switches  Plackout everyide, installation and removal	4.40	4 24
Blackout override, installation and removal		4-31
Dome light, installation and removal		4-31 4-31
Door operated blackout, installation and removal		9-5
Thermostatic, heater, installation and removal		1-39
Tarpaulin and bows		2-7
	2-12	2-1
Timer, clock, purging, XM822 Installation	4-17	4-31
Removal		4-31
Torque rods	=-17	<del>1</del> -01
Cleaning	8-3	8-2
Inspection and repair		8-2
Installation		8-2
Installation and removal of lower torque rods		4-58
Installation and removal of upper torque rods		4-58
Torsion bar, air suspension	100	1 00
Installation and removal	4-57	4-62
Troubleshooting		
Operator	3-8	3-9
Organizational		4-10
Direct and general support		5-1
Tube fittings		4-49
Tubing		4-49
Uncoupling semitrailer from towing vehicle		2-1
Valve, relay		
Description	4-41	4-47
Installation	4-41	4-48
Leakage test	4-41	4-48
Operating test	4-41	4-47
Removal	4-41	4-48
Wheel and tire		
Description	3-18	3-12
Installation	3-18	3-13
Removal	3-18	3-12
Wheel bearing		
Adjusting		4-50
Installation		4-50
Removal	4-47	4-50
Wheel cylinder		
Installation		444
Removal	4-36	4-44
Wiring harness		
Installation		52
Removal		52
Replacement of single wires	5-6	52

В١	<ul><li>Order</li></ul>	of	the	Secretary	of of	the	Army	1
----	-------------------------	----	-----	-----------	-------	-----	------	---

Official:

ROBERT M. JOYCE

JOHN A. WICKHAM, JR. General, United States Army Chief of Staff

Major General, United States Army The Adjutant General

# Distribution:

To be distributed in accordance with DA Form 12-39, TM requirements for Vehicle, Semitrailer, Van, Electronic, XM574, XM654, XM680, XM703, XM738, XM739.

\* U.S. GOVERNMENT PRINTING OFFICE 1984-430-147

	RECOMMENDED CHANGES TO	EQUIPMENT TECHNICAL PUBLICATIONS
752	Something	WRONG WITH THIS PUBLICATION?
DOPE ALL FORM, C	JOT DOWN THE BOUT IT ON THIS AREFULLY TEAR IT LD IT AND DROP IT	(PRINT YOUR UNIT'S COMPLETE ADDRESS)
The state of the s		
PUBLICATION NUMBER	PUBLICATION DATE	Publication title
BE EXACTPIN-POINT WHERE IT IS	IN THIS SPACE TELL WHAT IS	WRONG
PAGE GRAPH FIGURE NO.	AND WHAT SHOULD BE DON!	
PRINTED NAME, GRADE OR TITLE, AND TELEP	HONE NUMBER . SIGN HE	FRE:

DA 15017. 2028-2

PREVIOUS EDITIONS
• ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

# THE METRIC SYSTEM AND EQUIVALENTS

## LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches

1 Meter = 100 Centimeters = 1.000 Millimeters = 39.37 Inches

1 Kilometer = 1.000 Meters = 0.621 Miles

## SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches 1 Sq Meter = 10.000 Sq Centimeters = 10.76 Sq Feet 1 Sq Kilometer = 1.000.000 Sq Meters = 0.386 Sq Miles

CUBIC MEASURE

1 Cu Centimeter = 1.000 Cu Millimeters = 0.06 Cu Inches 1 Cu Meter = 1.000.000 Cu Centimeters = 35.31 Cu Feet

#### LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces 1 Liter = 1.000 Milliters = 33.82 Fluid Ounces

# TEMPERATURE

5/9 (°F -32) = °C

212° Fahrenheit is equivalent to 100° Celsius

90° Fahrenheit is equivalent to 32.2° Celsius

32° Fahrenheit is equivalent to 0° Celsius

9/5 C° +32 = F°

## WEIGHTS

1 Gram = 0.001 Kilograms = 1,000 Milligrams = 0.035 Ounces

1 Kilogram = 1.000 Grams = 2.2 1 b.

1 Metric Ton = 1.000 Kilograms = 1 Megagram =

1.1 Short Tons

TO CHANGE	TO	MULTIPLY BY	1 -3	<b>,</b>
Inches	Centimeters	2.540	1 = 1	
		0.305	fo	;
Fect	Meters		INCHES	į
Yards	Meters	0.914	ĭÿ <u>-</u>	
Miles	Kilometers	1 609	<b>⋬</b>	
Square Inches	Square Centimeters	6.451		2
Square Feet	Square Meters	0.093	<b>│                                    </b>	
Square Yards	Square Meters	0.836		
Square Miles	Square Kilometers	2.590	1	- <b>ພ</b>
Acres	Square Hectometers	0.405	3	
Cubic Feet	Cubic Meters	0.02×	1 7	
Cubic Yards	Cubic Meters	0.765	<b>—</b>	- 🛦
Fluid Ounces	Milliliters	29.573	1 7	
Pints	Liters	0.473	1 1	
Quarts	Liters	0.946	1 . <b>T</b>	- Lh
Gallons	Liters	3.785	1 ~ =	-
Ounces	Grams	28.349	1	
Pounds	Kilograms	0.454	1 -1	
Short Tons	Metric Tons	0.907	<b>1</b> -12-	~ •
Pound-Feet	Newton-Meters	1.356	<del> </del>	
Pounds Per Square Inch	Kilopascals	6.895	- <b>-</b>	
Miles Per Gallon	Kilometers Per Liter	0.425	— <b> </b>   —	- 7
Miles Per Hour	Kilometers Per Hour	1.609	<b>├</b>	
TO CHANGE	TO	MULTIPLYBY	ω	
Centimeters	Inches	0.394	- <b> </b>  -	- 00
Meters	Feet	3.280	<b>!</b> — <b>∓</b>	
Meters	Yards	1.094	I -1€	
Kilometers	Miles	0.621	1 -1€	
		0.155	1 - <b>1</b>	¥
Square Centimeters	Square Inches	10.764	<b>│ _1</b>	
Square Meters	Square Feet		1 4	
Square Meters	Square Yards	1.196	•==	- 5
Square Kilometers	Square Miles	0.386		
Square Hectometers	Acres	2.471	1 _	
Cubic Meters	Cubic Feet	35.315	1	=
Cubic Meters	Cubic Yards	1.308	1 3	
Milliliters	Fluid Ounces	0.034		
Liters	Pints	2.113	1 <u>3</u> E	- 5
Liters	Quarts	1.057		•••
Liters	Gallons	0.264	1 TE-	
Grams	Ounces	0.035	1 2-1	
Kilograms	Pounds	2.205	1 1	ີ ພ
Metric Tons	Short Tons	1.102	} <b>*</b> ₽	
Newton-Meters	Pound-Feet	0.738	1 18€	-
Kilopascals	Pounds Per Square Inch	0.145	-1	- 🏊
Kilometers Per Liter	Miles Per Gallon	2.354	1 <u>E</u>	
Kilometers Per Hour	Miles Per Hour	0.621	] <del>-</del> ∦≣	
				_

PIN: 054733-000