

ELECTRICAL PARTS LAYOUT

LED Unit

- UN C
- UN Bk
- UN Y
- UN M
- PWB-LK
- PWB-N3
- PWB-N2
- PWB-N1
- PC29
- PC18
- 4004D176AB

Transfer Belt Unit

- 4004D181AB

Oil Coating Unit

Fusing Unit

Fusing Web Unit

- 4004D226AA

Imaging Unit (Bk)

Imaging Unit (Y,M,C)

- 4004D227AA

2nd Transfer Unit

- CL15
- CL21
- PC20
- PC23
- PC17
- PC19
- 4004D179AB

Hopper Unit

- M9
- SW5
- SW6
- SW7
- SW8
- SW3
- M10
- 4004D177AA

Main Assembly Components:

- M24
- PC9
- CL3
- M23
- PC15
- PC10
- SW9
- SW1
- CNT2
- PWB-T
- M5
- PC11
- PWB-I
- PU1
- M21
- SW4
- RY1
- HV2
- PWB-PIC
- PWB-H
- HSD-IDN
- 4004D174AC

Internal Assembly Components:

- M15~18
- CL11~14
- PC8
- M8
- M14
- SW2
- M13
- UN21
- CL101
- UN23
- PC105
- UN20
- PC102
- PC103
- PC104
- M101
- PC6
- PC5
- PC101
- PWB-S
- UN101
- PC13
- 4004D175AD
- HV1
- M22
- HV3
- PWB-I1
- PWB-A
- SW A
- SW B
- SW C
- SW D

Bottom Assembly Components:

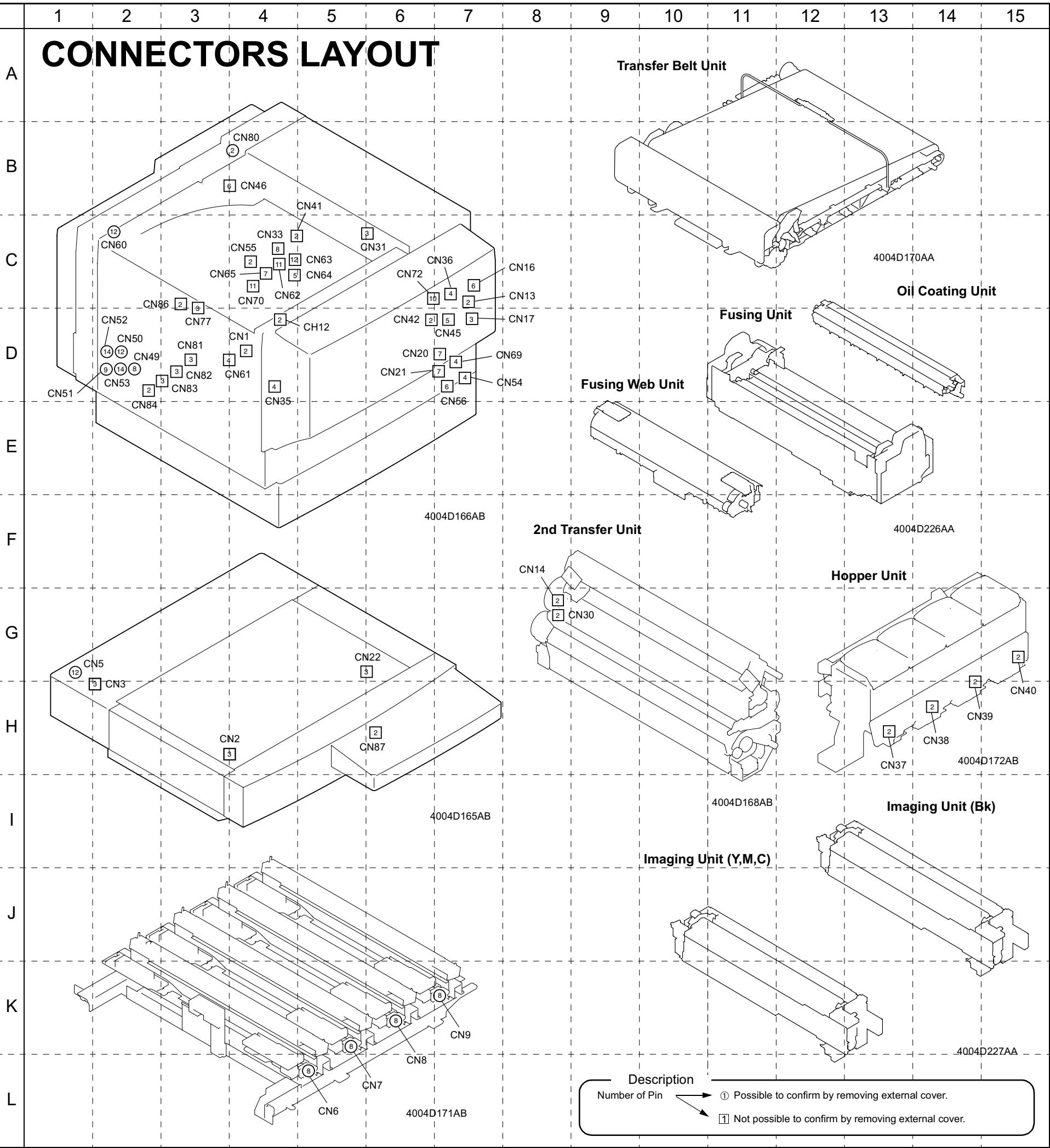
- PC33
- M1
- PWB-IC
- PWB-A
- M4
- PWB-C
- SW10
- PC24
- PC31
- M2
- PWB-Z
- PC25
- PU2
- PC30
- PWB-D
- M3
- PC32
- PC34
- LA1
- UN1
- 4004D173AB
- F4

SYMBOL	PART NAME	LOCATION	GRID
CL1	1st Drawer Paper Take-Up Clutch	A-8	G-6
CL3	Manual Feed Paper Take-Up Clutch	A-1~2	B-6
CL11	Developing Clutch Y	B-16	G-2
CL12	Developing Clutch M	B-17~18	G-2
CL13	Developing Clutch C	C-16	G-2
CL14	Developing Clutch Bk	D-18	G-2
CL15	2nd Image Transfer Pressure/ Retraction Clutch	E-6	J-8
CL21	Synchronizing Roller Clutch	H-2	K-8
CL101	2nd Drawer Paper Take-Up Clutch	I-5	H-5
CNT1	Mechanical Counter (OP)	D-36	—
CNT2	Total Counter	D-E-36	C-8
F4	Temperature Fuse	G-21	K-4
HSD-IDN	Memory Board	C-33~34	C-1
HV1	High Voltage Unit 1	B-21~22	H-4
HV2	High Voltage Unit 2	A-C-5~6	B-4
HV3	High Voltage Unit 3	B-C-19~20	H-4
LA1	Exposure Lamp	G-21	K-4
M1	Scanner Motor	H-22	J-4
M2	Original Glass Cooling Fan Motor	I-19~20	K-3
M3	IR Cooling Fan Motor 1	H-19~20	K-3
M4	IR Cooling Fan Motor 2	H-19~20	K-5
M5	Cleaning Web Drive Motor	E-F-2	C-8
M8	Fusing Pressure/Retraction Motor	F-2	F-5
M9	Toner Replenishing Motor C/Bk	A-10	K-14
M10	Toner Replenishing Motor Y/M	B-12	L-12
M11	1st Image Transfer Pressure/ Retraction Motor	C-D-6	G-4
M13	Main Motor	A-36	G-5
M14	Fusing Drive Motor	E-2	F-6
M15	Imaging Unit Motor Y	A-B-15	G-1
M16	Imaging Unit Motor M	A-B-17	G-1
M17	Imaging Unit Motor C	C-D-16	G-1
M18	Imaging Unit Motor Bk	C-D-17~18	G-1
M21	Power Supply Cooling Fan Motor	E-29	C-4
M22	Ozone Ventilation Fan Motor	A-19	H-4
M23	Fusing Cooling Fan Motor 1	G-2	B-7
M24	Fusing Cooling Fan Motor 2	F-2	B-5
M101	2nd Drawer Paper Take-Up Motor	G-6	H-5
PC3	1st Drawer Set Sensor	C-8	H-5
PC4	1st Drawer Paper Near-Empty Sensor	B-8	H-5
PC5	CD Paper Size Detecting Sensor	B-8	H-7
PC6	1st Paper Empty Sensor	B-8	H-7
PC8	Fusing Retraction Position Sensor	G-2	F-5
PC9	Fusing Roller Rotation Detecting Sensor	G-2	B-6
PC10	Exit Sensor	E-F-8	B-8
PC11	Toner Supply Door Sensor	B-12	C-7
PC13	1st Double Feed Sensor	C-8	H-7
PC15	Manual Feed Paper Take-Up Sensor	B-1~2	C-7
PC17	Synchronizing Roller Sensor	I-2	K-9
PC18	Waste Toner Bottle Set Sensor	F-36	C-13
PC19	OHP Detecting Sensor	H-2	K-10
PC23	2nd Image Transfer Pressure Position Sensor	F-6	K-9
PC24	Scanner Home Sensor	G-19~20	K-6
PC25	Original Cover Detecting Sensor	H-19~20	K-2
PC28	1st Image Transfer Retraction Position Sensor	C-6	G-4
PC29	Waste Toner Full Detecting Sensor	F-36	B-12
PC30	Original Size Detecting Sensor FD1 (*1)	F-19~20	K-3
PC31	Original Size Detecting Sensor FD2	G-19~20	K-3
PC32	Original Size Detecting Sensor CD1	G-19~20	K-3
PC33	Original Size Detecting Sensor FD3 (*2)	F-21	K-3
PC34	Original Size Detecting Sensor CD2 (*2)	F-G-21	K-3
PC101	2nd Drawer Paper Take-Up Sensor	H-6	H-8
PC102	2nd Drawer Paper Empty Sensor	I-6	H-7
PC103	2nd Drawer Paper Near-Empty Sensor	I-6	H-6
PC104	2nd Drawer Door Set Sensor	H-I-5	H-6
PC105	2nd Drawer Paper Double Feed Sensor	H-6	H-7
PU1	DC Power Supply 1	F-I-28~30	C-4

SYMBOL	PART NAME	LOCATION	GRID
PU2	DC Power Supply 2	A-C-29~30	K-3
PWB-A	Control Board	G-I-7~8	H-5
PWB-A	CCD Sensor Board	E-F-23~25	K-4
PWB-C	Image Processing Board	D-I-25~27	K-4
PWB-D	IR PRIF Board	B-C-25~27	K-3
PWB-H	MSC Board	H-I-23~25	C-1
PWB-I	Master Board	E-I-10~18	C-6
PWB-I1	Paper Size Detecting Board	D-E-7~8	H-5
PWB-IC	Scanner Motor Drive Board	H-20~21	J-4
PWB-LK	LED Board	C-E-20~22	B-14
PWB-N1	ATDC Sensor Y	B-C-12	C-13
PWB-N2	ATDC Sensor M	C-12	B-13
PWB-N3	ATDC Sensor C	D-12	B-14
PWB-PIC	PIC Board	A-C-32~34	B-1
PWB-S	Paper Type Detection Board	C-D-7~8	H-8
PWB-T	Tech. Rep. Setting Switches Board	E-36	C-8
PWB-Z	Flat Cable	G-21~22	K-3
RY1	Charge Neutralizing Relay	A-5	B-5
SW A	Paper Size Detecting Switch 1	H-9	I-4
SW B	Paper Size Detecting Switch 2	H-9	H-5
SW C	Paper Size Detecting Switch 3	I-5	H-5
SW D	2nd Drawer Set Switch	H-5	H-5
SW1	Power Switch	C-36	C-8
SW2	Right Door Switch	B-36	F-6
SW3	Front Door Switch	C-36	L-12
SW4	Left Door Switch	B-36	C-4
SW5	Toner Empty Switch Bk	A-10	K-15
SW6	Toner Empty Switch C	A-12	K-14
SW7	Toner Empty Switch M	A-12	K-14
SW8	Toner Empty Switch Y	A-12	L-13
SW9	Upper Right Door Switch	A-21	C-8
SW10	Size Reset Switch	I-19~20	K-5
UN Bk	LED Array Bk	D-22	A-13
UN C	LED Array C	D-21	B-13
UN M	LED Array M	D-20	B-12
UN Y	LED Array Y	D-20	B-12
UN1	Control Panel	H-I-22~23	K-5
UN20	AIDC/Registration Sensor 1	D-6	H-7
UN21	AIDC/Registration Sensor 2	D-6	G-6
UN23	Temperature/humidity Sensor	D-10	H-7
UN101	2nd Drawer Paper Near-Empty Board	G-H-6	I-8

*1: Optional for the U.S.A.
*2: Optional for the Europe, U.S.A., and Taiwan

4004 B201 0A



CN No.		LOCATION	GRID
CN1	2P	I-5	D-4
CN2	3P	H-19	H-3
CN3	3P	I-19	H-2
CN5	12P	F-33	G-1
CN6	8P	B-23	L-5
CN7	8P	A-23	K-5
CN8	8P	C-23	K-6
CN9	8P	D~E-23	K-7
CN12	2P	H-30	D-4
CN13	2P	D-35	C-7
CN14	2P	E-6	G-8
CN16	6P	E~F-2	C-7
CN17	3P	E~F-9	D-7
CN20	7P	D-6	D-7
CN21	7P	D-6	D-7
CN22	3P	H-19	G-5
CN30	2P	H-2	G-8
CN31	3P	G-2	C-6
CN33	8P	A~B-3	C-4
CN35	4P	B-12	D-4
CN36	4P	A-11	C-7
CN37	2P	A-12	H-13
CN38	2P	A-12	H-14
CN39	2P	A-12	H-14
CN40	2P	A-11	G-15
CN41	2P	A-2	C-4
CN42	2P	D-35	D-6
CN45	5P	C-35	D-7
CN46	6P	C~D-6	B-4
CN49	8P	D-19	D-2
CN50	12P	C-13	D-2
CN51	9P	F-35	D-2
CN52	14P	B-23	D-2
CN53	14P	C~D-23	D-2
CN54	4P	C-9	D-7
CN55	2P	A-9	C-4
CN56	6P	B-9	D-7
CN60	12P	F-34	C-2
CN61	4P	G-6	D-3
CN62	11P	G~H-33	C-4
CN63	12P	H~I-3	C-4
CN64	5P	H-33	C-4
CN65	7P	E-6	C-4
CN69	4P	D-11	D-7
CN70	11P	G-8	C-4
CN72	10P	A-13	C-6
CN77	3P	E-28	C-3
CN80	3P	F-2	B-4
CN81	3P	G-35	D-3
CN82	3P	G-34	D-3
CN83	3P	G-34	D-3
CN84	2P	B-35	D-2
CN86	2P	B-35	C-3

CN No.		LOCATION	GRID
CN87	2P	I-19	H-6