



Kurz-Kasch, Inc.

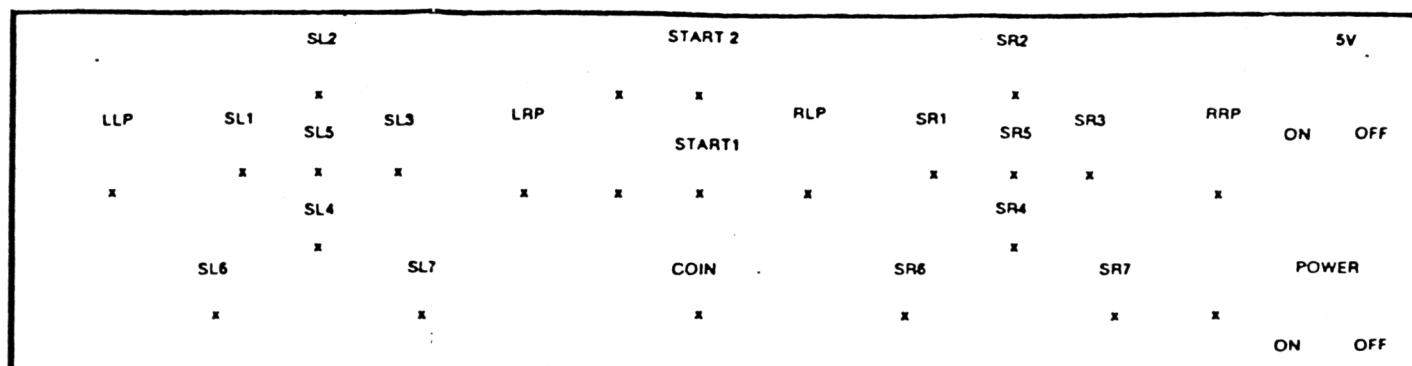
Electronics Division
Box 1246 • 2271 Arbor Blvd.
Dayton, Ohio 45439
Telephone (513) 299-0990

Operating Instructions

For Model 280A

DEPTH CHARGE

GREMLIN



1. Insert 280A program card into TF-650 "A" connector, number side up.
2. Connect 4-pin connector on right hand side of 280A program card to header pins 35 thru 38 with connector slots facing away from game board. *coin plug*
3. Connect 10-pin connector on right hand side of 280A program card to header pins 65 thru 74. *power sup*
4. Connect 10-pin connector on left hand side of 280A program card with 2 wires *video* to header pins 19 thru 28. *75 84*
5. Connect remaining 10-pin connector on left hand side of 280A program card to header pins 53 thru 62. *20 30*
6. Slide 5 VOLT switch to ON.
7. Slide POWER switch to ON.
8. (Slide switch on 341A program card to for , and INV for) *Doesn't matter*
9. Push COIN switch to credit game. *(GAME STARTS - ONLY 1 PLAYER)*
10. Push START 1 for 1 player and START 2 for 2 player mode.
11. SR1 and SR2 are LEFT and RIGHT controls. SR5 is FIRE and SPEED control, depending on game select. SR3 and SR4 are UP and DOWN controls. *FRONT FIRE REAR FIRE*
12. Connect logic probe to header pin 37 to check coin counter. Will go from high to low.



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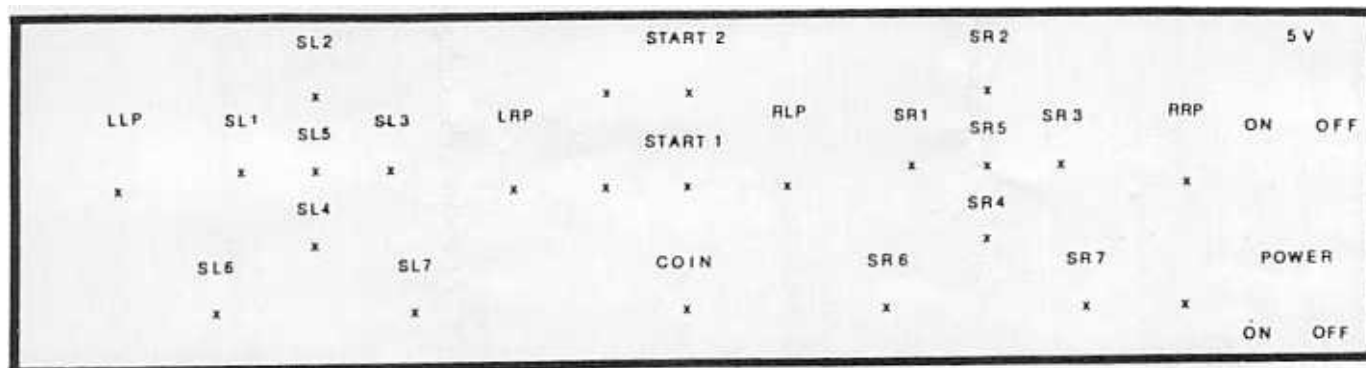
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Operating Instructions

For Model 282A, 283B

SEA WOLF II

MIDWAY



1. Install the 283B card into the program B connector, number side up.
2. Connect the two molex connectors to the Mother Board.
3. Connect the alligator clip to the ground strap coming from the test fixture.
4. Set monitor selector switch, SW-7 on game board, to ON for black and white video.
5. Install the 282A card into the program A connector, number side up.
6. Connect the three Molex connectors to the game board.
7. Connect speakers to the speaker leads.
8. Slide the 5V switch to ON.
9. Slide the Power switch to ON.
10. The switch on the 283B card is reset.
11. Press COIN to coin the game.
Press START 1 for a one player game.
Press START 2 for a two player game.
12. SR-5 fires the right torpedo
Combinations of SR-1 through SR-7, except SR-5, aim the right torpedo.
SL-5 fires the left torpedo.
Combinations of SL-1 through SR-7, except SL-5, aim the left torpedo.



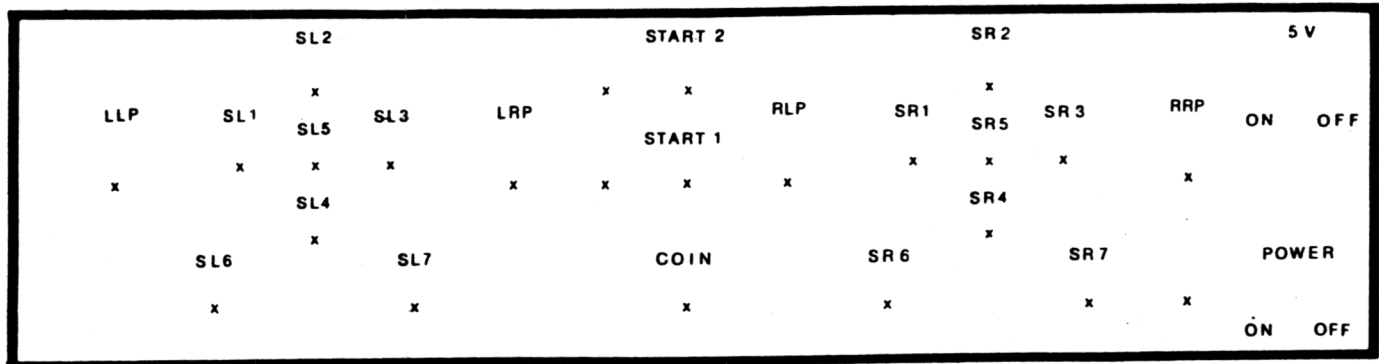
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Operating Instructions For Model 283B

MOTHER BOARD II

MIDWAY



The 283B card is the power supply for the new Midway Mother Board and replaces the 185B card.

The spare parts can be used to make a cable when using a color monitor. The push button switch is reset.

The Mother Board can be powered up without the game board, or with the game board and no program A card. Video will be seen on the screen.



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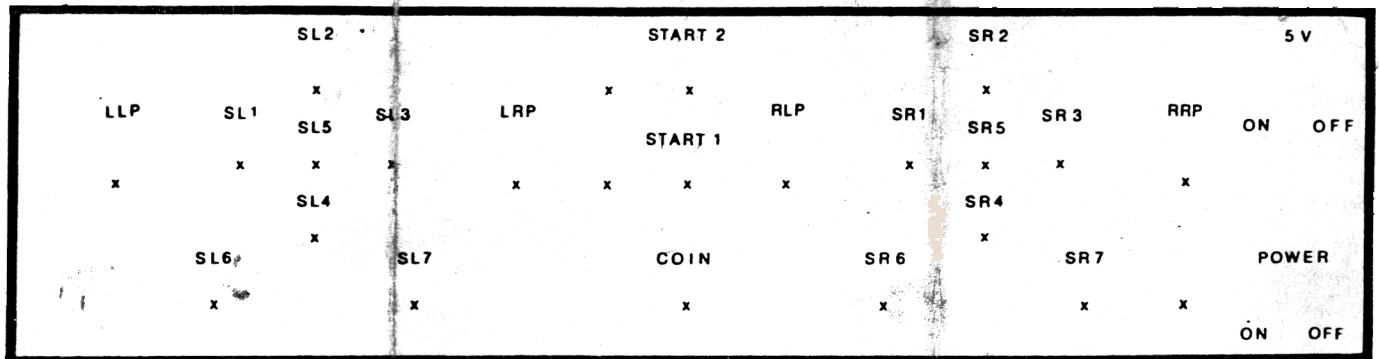
Operating Instructions

For Model

295A, 185B, 222C

SPACE INVADERS

MIDWAY



1. Insert the 185B card into the program B connector, number side up.
2. Insert the 295A card into the program A connector, number side up.
3. Insert the 222C card into the test fixture, number side up.
4. Insert the SPACE INVADERS mother board into the 222C card.
5. Connect the two cables from the 295A card to the game board, with red dot showing. Connect a speaker to the speaker leads.
6. Push COIN to coin the game, START 2 to reset the board.
7. Start the game with the switch on the 295A card.
8.

SL-1	MOVE RIGHT
SL-2	MOVE LEFT
SL-5	FIRE

SL-3



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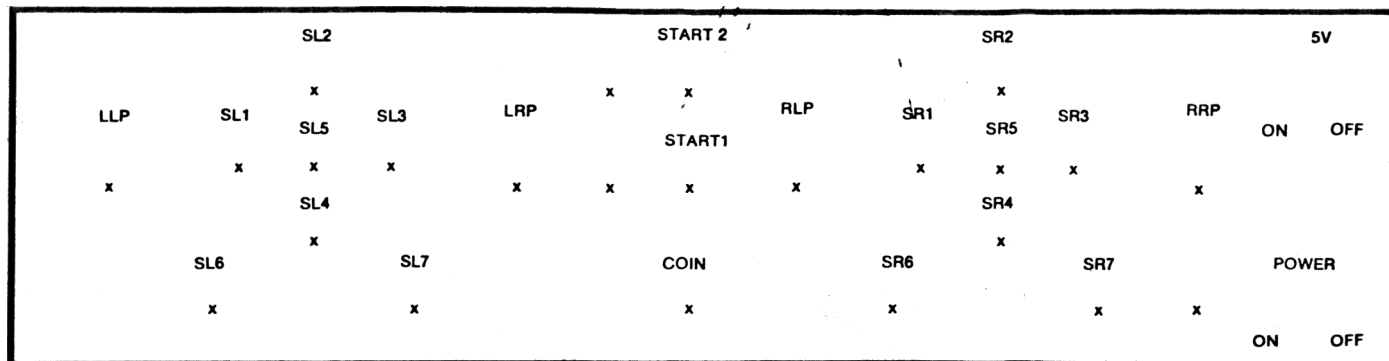
Operating Instructions

For Model

299AB, 265C

FOOTBALL

ATARI



1. Insert 299B card into PROGRAM B connector, number side up.
2. Insert 299A card into PROGRAM A connector, number side up.
3. Insert 265C card into 25 PIN connector, number side up.
4. Insert GAME BOARD into 265C connector.
5. Connect speaker to RED lead on B card and BLACK lead on A card.
6. Push POWER SWITCH to ON.

NOTE: HUM BARS CAN BE ELIMINATED BY CONNECTING A JUMPER FROM 5 VOLT TERMINAL ON TEST FIXTURE TO OUTPUT SIDE OF REGULATOR ON GAME BOARD. ALSO CONNECT GND CLIP TO GAME BOARD.

7. COIN 1 is COIN switch.
COIN 2 is START 1 switch.
8. SR5 is PLAY SELECT switch right side.
SL5 is PLAY SELECT switch left side.
LED indicators are on 299A card.
9. RIGHT SIDE PLAYER MOVEMENT
SR1 & SR3 are UPFIELD and DOWNFIELD movement when switches on 299A card are in R (right side) position. SR2 & SR4 are ACROSS FIELD movement when switches on 299A card are in R (right side) position.
10. LEFT SIDE PLAYER MOVEMENT
SR1 & SR3 are UP & DOWNFIELD movement when switches on 299A card are in L (left side) position. SR2 & SR4 are ACROSS FIELD movement when switches on 299A card are in L (left side) position.
11. TEST switch is on 299A card.