

Removal/Access of Printed Circuit Boards - All Cabinets

NOTE:

Before handling any boards, observe the following procedures: Prevent Electro-Static Discharge by storing the boards in the anti-static bags in which they are shipped. Removing any static charge from your body before handling the boards. Using a ground strap when handling the boards. When plugging in connectors to the board, make sure the connector is inserted straight onto the header and that the connector covers all header pins. Do not connect any peripheral device to the board, if the power is still connected to the peripheral or if power is already applied to the board.

Motherboard (Telco or DeAmeritech)

1. Turn off game and disconnect it from all power.
2. Locate and gain access to the motherboard (If unsure where to locate your motherboard, see you're game manual).
3. Disconnect all connectors from the CPU and I/O boards. Use Figures 1 and 2 to determine board type and connector locations.
4. Using a 1/4" nut driver, remove the two- (2) nuts from the motherboard assembly (shown in Figures 1 and 2).
5. Insert the board into an anti-static bag for storage.

CRT-500 I/O Board

1. Turn off game and disconnect it from all power.
2. Locate and gain access to the CRT-500 I/O board (If unsure where to locate your motherboard, see your game manual).
3. Disconnect all connectors from the I/O board (see Figures 1 and 2 for connector locations).
4. Using a 1/4" nut driver, remove the two- (2) nuts from the I/O board securing it to the standoffs (shown in Figures 1 and 2).
5. Insert the board into an anti-static bag for storage.

Communications Board (countertop)

1. Turn off game and disconnect it from all power.
2. Disconnect the blue communications ribbon cable connector from J12 on the motherboard (see Figures 1 and 2 for location).

For Steps 3 through 10, refer to Figure 3

3. Loosen the nuts securing the power cord strain relief and remove it.
4. Unplug the power cord from the power supply and lay it aside. Unplug the right angle connector from the power supply.
5. Remove the nut securing the ground braid to the power supply bracket.
6. Remove the three- (3) nuts securing the power supply bracket to the metalwork.
7. Push forward on the power supply and shift it to the right to remove it from the game.
8. Turn the bracket around to access the communications board.
9. Disconnect the communication ribbon cable from J1 and the power connector from J6.
10. Remove the three- (3) nuts securing the communications board to the metalwork and remove it.

Communications Board (cabaret/upright)

1. Turn off game and disconnect it from all power.
2. Open the rear door.
3. *REAR-ACCESS UPRIGHTS ONLY:* Disconnect the right angle connector from the power supply and disconnect the monitor power connector. Slide the CPU shelf out of the cabinet and rest it on end. See Figure 4.
4. Locate the communications board (shown in Figure 4).
5. Disconnect the communication ribbon cable from J1 and the power connector from J6.
6. Remove the three- (3) nuts securing the communications board to the metalwork and remove it.

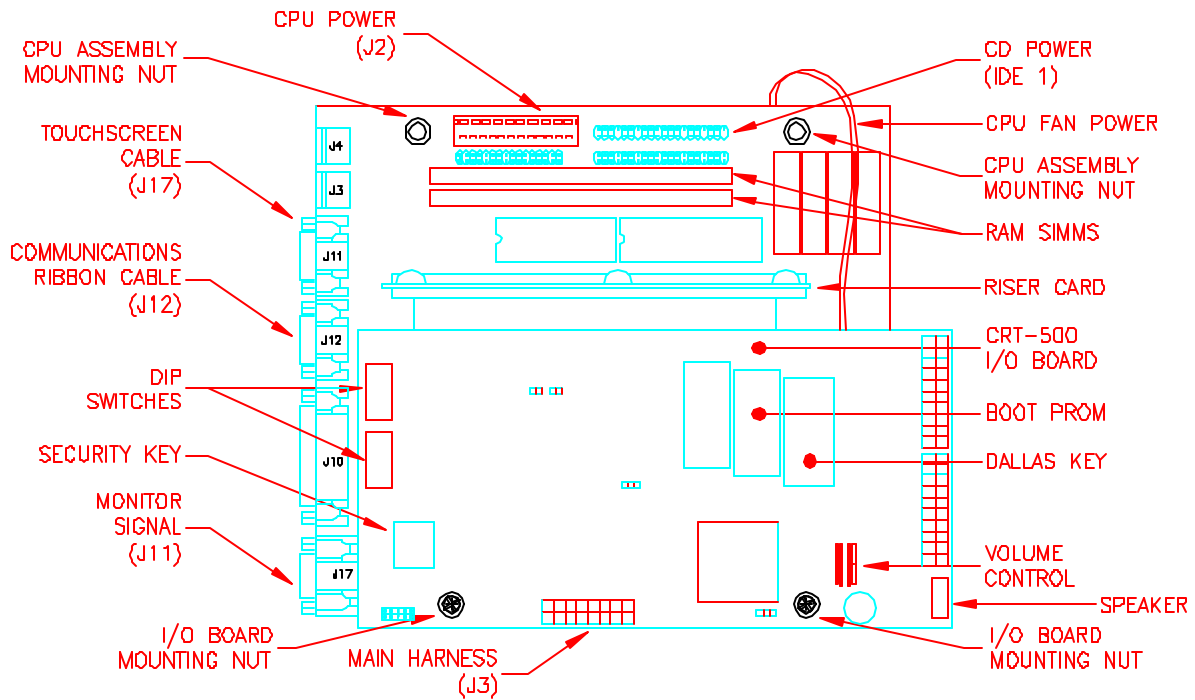


FIGURE 1 - TELCO MOTHERBOARD AND I/O BOARD ASSEMBLY

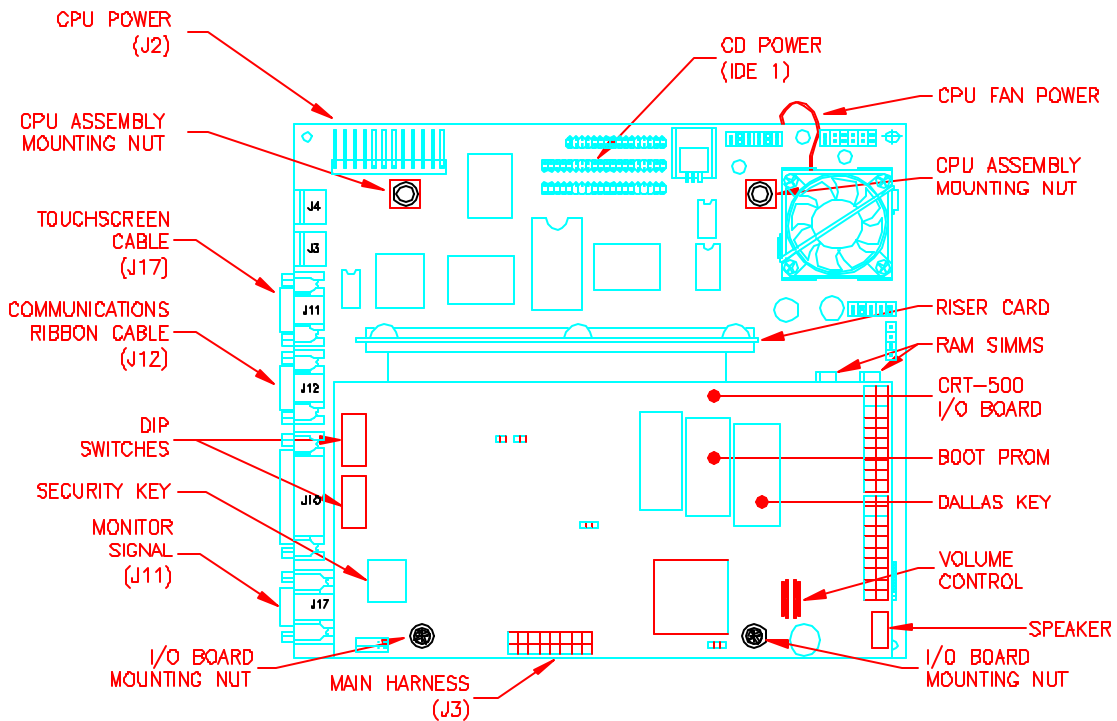


FIGURE 2 - DEAMERITECH MOTHERBOARD AND I/O ASSEMBLY

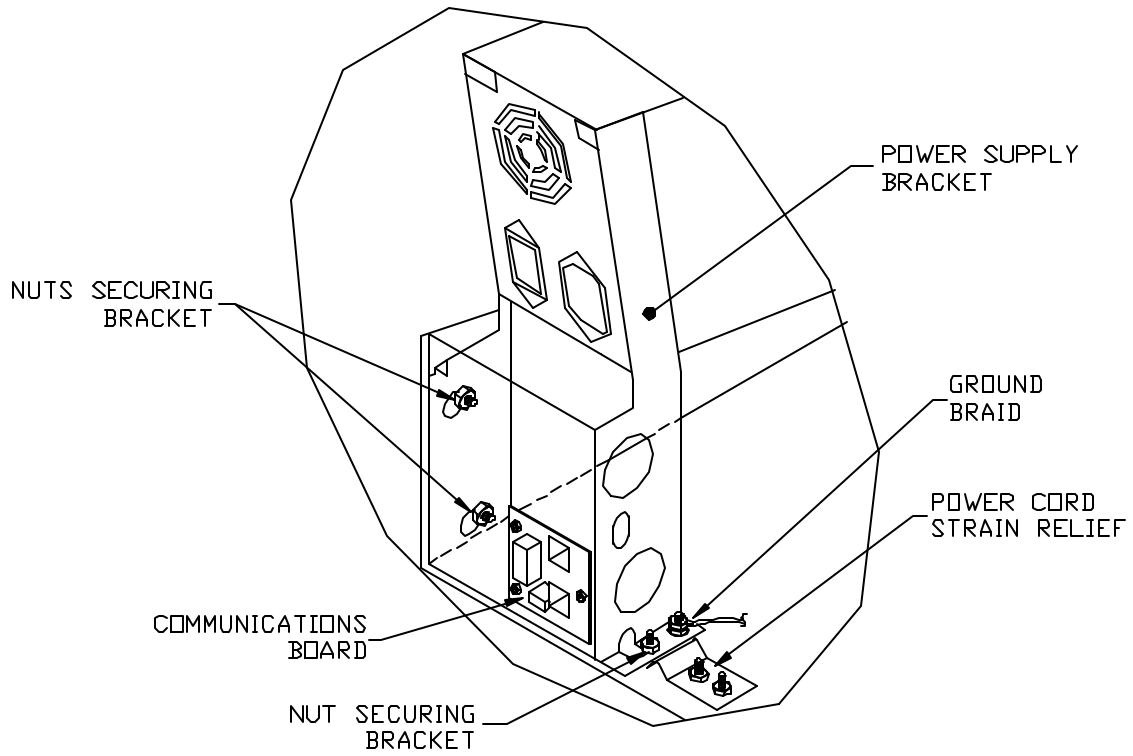


FIGURE 3 - COMMUNICATIONS BOARD LOCATION - CTOP

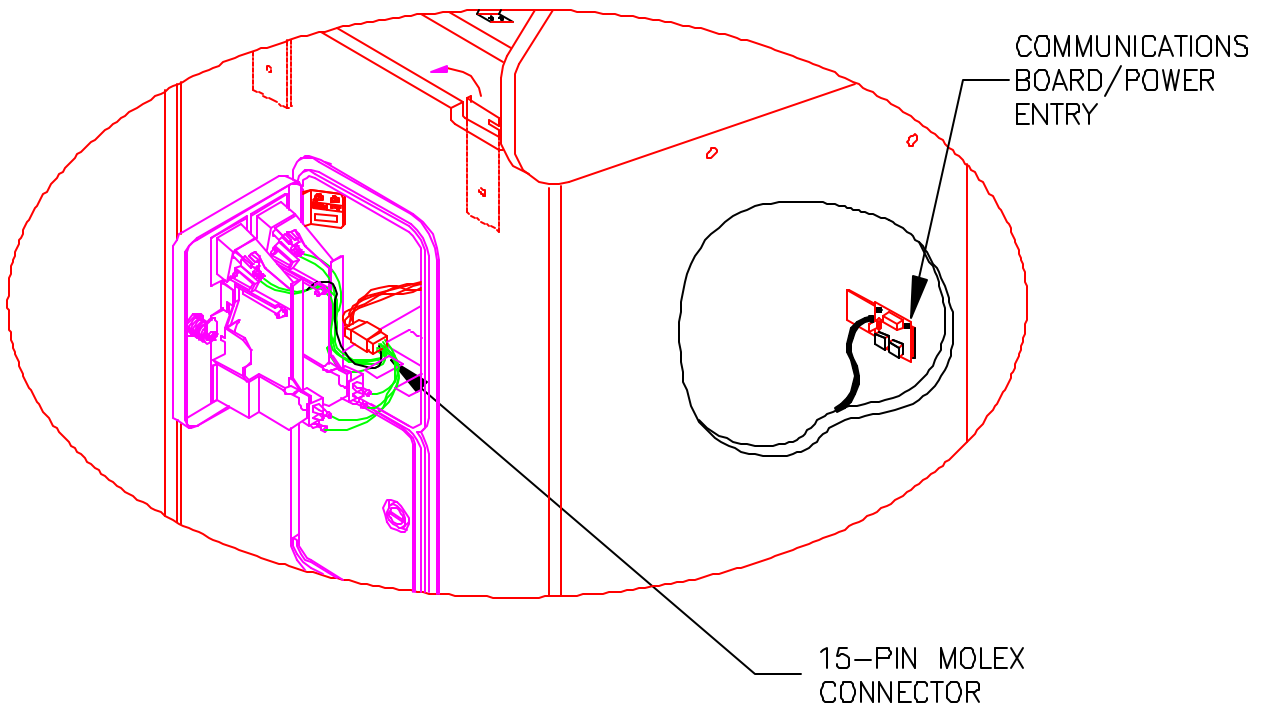


FIGURE 4 - COMMUNICATIONS BOARD LOCATION - CABARET/UPRIGHT