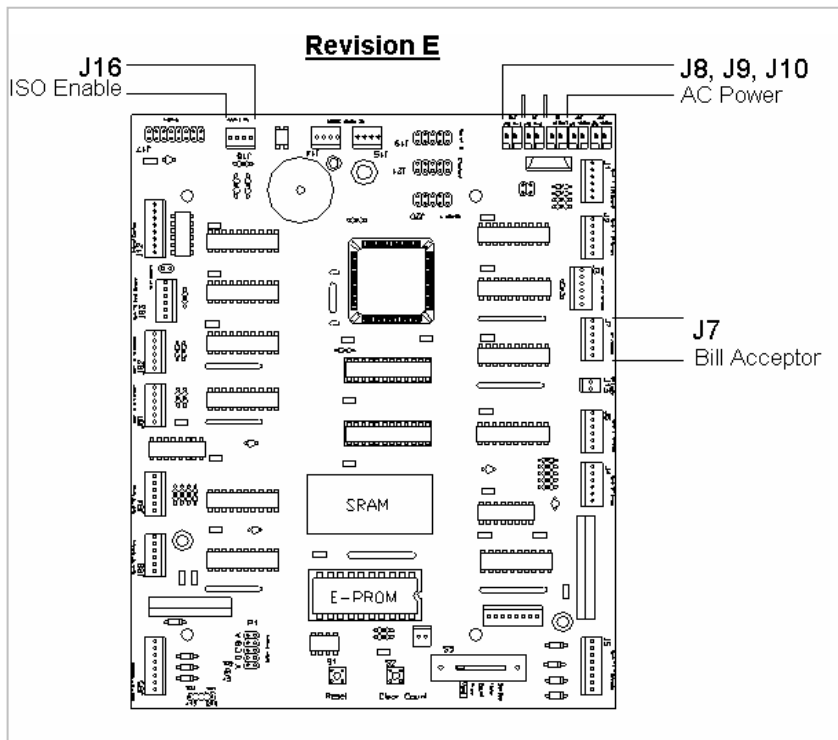


Ardac to Mars Bill Acceptor Conversion For Grandmaster Pull Tab Machines

1. Locate the main circuit board in the machine. The circuit board should be located behind the bottom door on the left wall of the machine.
2. Remove the bill acceptor harness from the machine by first removing connector J7 on the circuit board. Follow the harness of the connector just removed to a transformer. Follow the other harness leading from the transformer back to the circuit board. Remove the two-pin connector from the circuit board. Remove and discard the bill acceptor harness and transformer assembly.
3. Using a Phillips head screwdriver, remove the bill acceptor door and hinge from the machine. If the machine has a coin acceptor, it may be removed from the door at this time.
4. Mount new door with the Mars bill acceptor using the same screws that were removed from the old door. Do not fully tighten screws until the door is adjusted so that it will not rub on the cabinet when opened and closed. If a coin acceptor is to go back in the machine, it may now be mounted onto the new door.
5. Determine what kind of circuit board is in the machine by locating the "Reset" and "Clear Count" buttons on the bottom of the circuit board. If the two buttons are both in the middle about $\frac{1}{2}$ " away from each other the machine has a Revision "E" circuit board. If the "Reset" and "Clear Count" buttons are on opposite sides of the board the machine has a Revision "C" circuit board.

Connecting Bill Acceptor Harness for Revision "E" Circuit Boards (Refer to Board Layout)

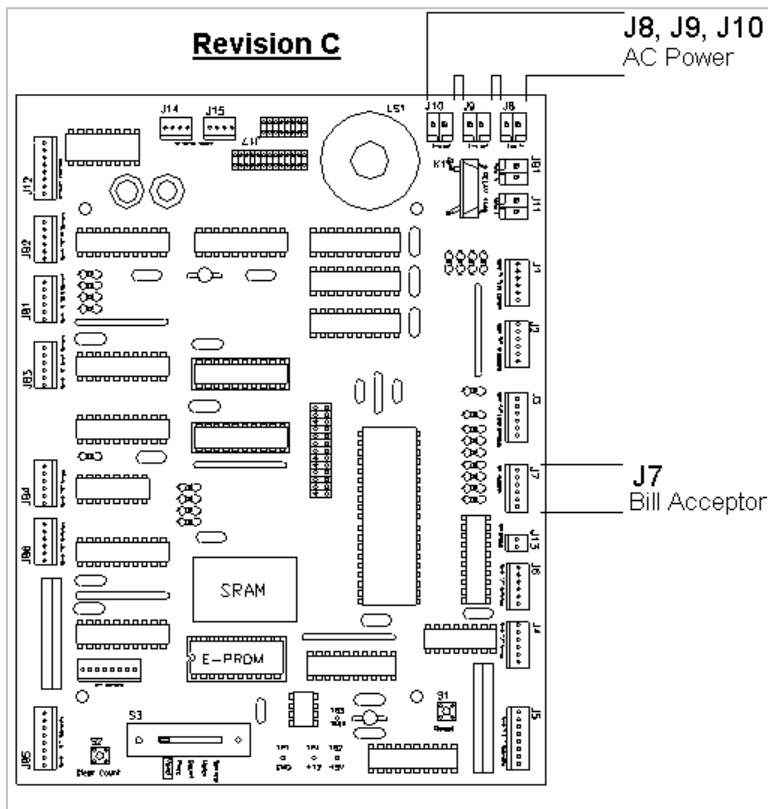
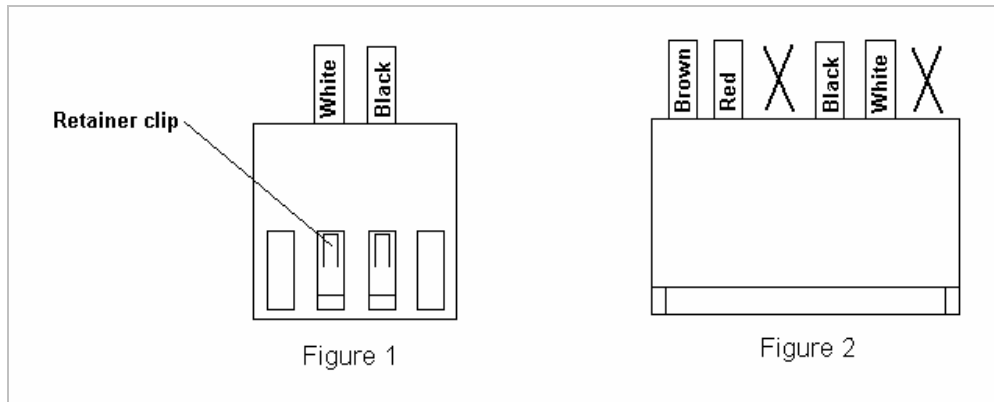


1. Plug the brown six-pin connector with brown and red wires into J7 on the main circuit board.
2. Plug the brown four-pin connector with white and black wires into J16 on the main circuit board.
3. Plug the white two-pin connector with white and black wires into J8, J9, or J10 on the circuit board. There should be an open connector where the old Ardac bill acceptor harness was plugged in.
4. If the machine has a coin acceptor the two wires with spade connectors must plug into the terminals on the coin mech. The black wire plugs into the terminal labeled "COM". The green wire plugs into the terminal labeled "N.O.".

5. Using cable ties and cable tie mounts (not included) neatly bundle and tie up the loose wires. Make sure the door can open and close freely without straining or pinching any wires.

Connecting Bill Acceptor Harness for Revision “C” Circuit Boards (Refer to Board Layout)

1. Using small eyeglass screwdriver or other tool remove the black and white wires from the brown four-pin connector by pushing in the retainer clips on the individual wire terminals. (See Figure 1)
2. Insert the black and white wires into the brown six-pin connector in the manner shown in Figure 2.



3. Plug the brown six-pin connector into J7 on the circuit board.
4. Plug the white two-pin connector with the white and black wires into J8, J9, or J10 on the circuit board. There should be an open connector where the old Ardac bill acceptor harness was plugged in.
5. If the machine has a coin acceptor the two wires with spade connectors must plug into the terminals on the coin mech. The black wire plugs into the terminal labeled “COM”. The green wire plugs into the terminal labeled “N.O.”.
6. Using cable ties and cable tie mounts (not included) neatly bundle and tie up the loose wires. Make sure the door can open and close freely without straining or pinching any wires.