SECTION

A

Replacing The Power Supply

1. Remove all cables connected to the Mirage, including the power cable.
2. Remove the five screws which fasten the Mirage control panel and raise the panel.
3. Disconnect the wiring harness from the power supply. Note that the cables have connector locks.
4. The power supply is held in place with two screws and nylon shoulder washers through the back panel and with four snap-in standoffs through the circuit board. Remove the screws and shoulder washers from the back panel and unsnap the circuit board from the standoffs by pulling straight up.

IMPORTANT!

5. To replace the power supply, first make sure that the insulator pad is in place, then snap the new unit onto the standoffs, making sure that they are fully seated. Fasten the unit with the two screws and shoulder washers through the rear panel, making sure the screws pass through the holes in the heat sink insulator. Carefully re-connect the wiring harness, paying particular attention to the proper alignment of the pins and connectors.
6. Close the control panel and test the unit.

SECTION

B

Control Button or Keypad Replacement

Keypad and display related problems will require the replacement of the keypad circuit board. Individual buttons may be replaced. When disassembling the keypad, note that the buttons are held in place and separated from the keypad circuit board by an insulation panel.

1. Remove all cables connected to the Mirage, including the power cable.
2. Remove the volume knob and the five screws which fasten the control panel and raise the panel.

IMPORTANT!

3. The individual buttons are held in place only by the keypad circuit board. To prevent them from falling out when the board is removed, open the control panel all the way and tilt the unit back by placing a 3″ block under the front edge.
4. Remove the six screws and lockwashers holding the keypad circuit board. Unplug the connector, noting its orientation.
5. To reassemble, first make sure that all the buttons are in place and then cover them with the insulator. Make sure that the display and lens are clean.
6. Connect the cable to the keypad circuit board, making sure that the cable is not twisted or pinched and install the board using the six screws and lockwashers.
7. Close the control panel, replace the volume knob and test the unit.

SECTION

C

Replacing The Transformer

At the factory, the Mirage transformer is rivetted into place. Replacing the transformer will require drilling out the four rivets and installing the replacement transformer with the screws and nuts provided.

1. Unplug all cords from the unit, including the power cord and remove the five screws which fasten the control panel and raise the panel.
2. Disconnect the transformer cables from the power supply, fuse and line filter, noting the polarity.
3. Tilt the unit up on its back to expose the four rivet heads on the bottom of the case.

IMPORTANT!

4. Tape or otherwise support the transformer from the inside to prevent it from dropping when the last rivet is drilled. Using a 3/16″ drill, carefully drill the four rivets until the heads fall off.
5. Install the new transformer using the four screws and nuts supplied, making sure to use the lock washers on the inside. Fasten securely.
6. Connect the transformer cables.
7. Close the control panel and test the unit.