SECTION

D

Replacing The Disk Drive

The disk drive is held in place with four screws through the bottom of the cabinet. To avoid damage to the drive components, always remove the drive unit from front of the panel.

1. Unplug all cords from the unit and remove the five screws which fasten the control panel, and raise the panel.
2. Disconnect the cables from the drive unit, noting the polarity. This is important because in some earlier units the disk drive cables were crimped wrong and the red line is not Pin 1 but Pin 34.
3. Tilt the Mirage up onto its back to expose the four disk drive fastening screws. Remove the screws while supporting the drive unit with your free hand.

IMPORTANT!

4. Carefully guide the disk drive out through the front panel, taking care not to damage the plastic face plate or exposed components. Do not handle the drive unnecessarily. We suggest that you place it immediately in an anti-static bag or appropriate box.
5. To reassemble, carefully guide the new drive in through the front panel, again giving special care to the face plate and exposed components.
6. Tilt the Mirage up on its back while supporting the drive with one hand. Fasten the drive with the four screws and lockwashers.
7. Reconnect the cables. Note that the ribbon cable has pre-formed bends. Refer to Figure 4 to make sure that the cable is properly routed in the case.
8. Close the control panel and test the unit.

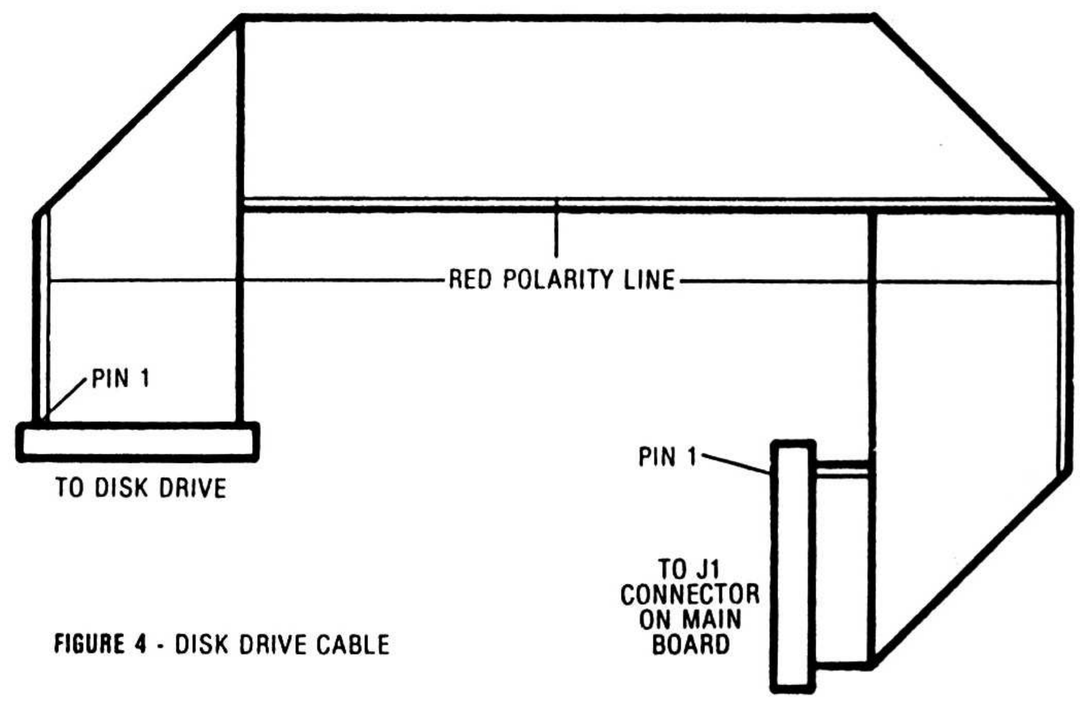

FIGURE 4 - DISK DRIVE CABLE

SECTION

E

Replacing The Pitch and Modulation Wheels

The pitch and modulation wheels are replaced together, along with the pitch and mod wheel panel and wiring harness. Special care should be given to properly aligning the sheet metal with the front of the Mirage cabinet.

1. Unplug all cords from the unit and remove the five screws fastening the control panel. Lift the panel from the front.
2. Tilt the Mirage up on its back to expose the four wheel module screws on the bottom. Remove the screws while supporting the wheel module with your free hand.
3. The wiring harness is hard wired into the wheel module. Unplug the harness from all four connections and cut the two wire ties to release the harness.

IMPORTANT!

4. To reassemble, first install the new wheel module with the four screws, noting that the screw holes in the cabinet are oversized. Carefully align the module so that it fits flush against the end cap and lines up with cabinet on the front. If this module is not aligned properly, it will interfere with the operation of the keyboard or pitch and modulation wheels.
5. Reconnect the wiring harness and install new wire ties.
6. Close the front panel and test the unit.

SECTION

F

Replacing The Line Filter

1. Remove all cables from the Mirage, including the power cable. Check the power cable for continuity.
2. Remove the five screws which fasten the Mirage control panel and raise the panel.
3. Remove the two AC connectors from the filter, noting the polarity.
4. Remove the two screws and nuts which secure the filter to the case. Note that there are lockwashers on both the inside and outside.
5. Install the new line filter from inside the case and reconnect the two AC connectors, noting the polarity. Note on some Mirage units the line filter must be mounted from the outside of the case.
6. Close the control panel and test the unit.