



Consumer Product Service
Manager of Tehnical Support
FIELD CHANGE ORDER number 1

MODEL: Atari 810 Disk Drive

DATE: May 28, 1982

SUBJECT:

Rear Board, Molex Connectors Removal

CHANGE DESCRIPTION:

New units manufactured by Atari have the two Molex Connectors (J104 and J105) removed from the 810 rear printed circuit board. The connector removal eliminates intermittent connections which causes the Disk Drive to fail because of speed drift. The 5 Volt Regulator (A108) and the Pass Transistor (Q113) are soldered directly to the rearboard. This Field Change Order instructs Service Centers who will be repairing the 810 Disk Drive.

<u>Atari Part Number</u> - Molex Connector	CO14716-03
- 5 Volt Regulator	CO14348
- Pass Transistor	CO14726
<u>Part Location</u> - Rearboard	CA014833
Locations J104 and J105	
- Base Plate	CO12972
Locations A108 and Q113	

REMOVAL/INSTALLATION PROCEDURES:

For removal, installation, troubleshooting, and testing, observe warnings or cautions stated in Atari 810 Disk Drive Field Service Manual. Before a chip or board is added to or removed from the system, power the system down. Follow instructions for disassembly and reassembly of unit (Field Service Manual).

Remove Rearboard

Desolder Molex Connectors (CO14716-03), from locations J104 and J105 on rearboard

Remove 5 volt regulator from location A108 on base plate.

Bend the leads on 5 volt regulator and pass transistor and position so that when soldered to the rearboard, the leads come over the top of the rearboard and allowing components to be mounted to the base plate.

Solder 5 volt regulator and pass transistor to rearboard.

Replace rearboard, apply a thin film of Heat Transfer Compound between A108 and Q113, and base plate before securing components to the base plate.



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Note that the Voltage Regulator (A103) and the Pass Transistor (Q113) are fastened to the base plate. In order to remove the Rearboard, you must remove the mounting screws from each. Remember to use Heat Sink Compound when replacing the Rearboard before securing the mounting screws. (Refer to Tech Tip #1.)

Use procedures as outlined in the Atari 810 Field Service Manual, check the disk drive speed.

TESTING PROCEDURES:

Following standard test procedures outlined in Atari 810 Disk Drive Field Service Manual.

Diagnostic Testing - Use Flawtest III and Align 3K Disk Alignment Program.