



Consumer Product Service  
Manager of Technical Support

# TECH TIP

number 4

MODEL: Atari 810 Disk Drive

DATE: May 28, 1982

## SUBJECT:

810 Disk Drive units containing the following:

- Data Separator Board added to sideboard.
- Sideboard stepper motor circuit voltage increase to regulated 12 volts DC.
- New power adaptor to provide increased current required by the above modifications.

## DESCRIPTION:

New 810 Disk Drive units manufactured by Atari contain a Data Separator Board added to the sideboard, modifications to the stepper motor circuit to increase voltage, and a new power adaptor. This Tech Tip instructs those who are repairing 810 Disk Drives containing these modifications.

The parts affected are:

Data Separator Board	CA017231
Sideboard	CA014834
Power Supply	CO16804

Part Location - P103 on Data Separator Board, Atari Part No. CA017231, plugs into the sideboard location A105 on Atari Sideboard Part No. CA014834, where FDC 1771 (Floppy Disk Controller) is usually installed.

## TROUBLESHOOTING AND MAINTENANCE PROCEDURES:

For troubleshooting, maintenance, and testing, observe warnings and cautions stated in Atari 810 Disk Drive Field Service Manual. Before a board is added to or removed from the unit, power the system down.

If a board is suspected, follow the standard troubleshooting procedure outlined in Atari 810 Disk Drive Field Service Manual, to check circuitry and alignment. If circuitry and alignment check out but board has many 144 errors or many intermittent errors, swap the data separator board in the unit with a known good one. This procedure isolates the problem to a faulty data separator board or faulty side board.

Use procedure outlined in Atari 810 Disk Drive Field Service Manual.

**NOTE:** These boards cannot be installed in the existing socket in sideboards not designed for data separator. Doing so may result in shorts or intermittent failures.



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TESTING PROCEDURES:

Use standard test procedures outlined in the Atari 810 Disk Drive Field Service Manual.  
 Diagnostic Testing - Use Flawtest III and Align 3K Disk Alignment Program.

810 DATA SEPARATOR SILKSCREEN

