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Service Hints & Tips

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**IBM PS/2 - Logic cards on fixed disk drives**

**Text :**

In order to minimize the impact of hardfile failures to PS/2 systems, to customers who have no back-up copy of critical data, the logic cards and electronic assemblies which are attached to certain fixed disk drives (manufactured by IBM only) are available for field replacement.

Fixed disk drives manufactured by IBM can be identified by their black cover and a label on the unit which says "Manufactured by IBM Corp."

The following list of fixed disk drive electronic FRUs are available :

FIXED DISK TYPE & FRU P/N	LOGIC BOARD FRU
44MB ST-506 72X8541	P/N6493875
70MB ESDI 72X8519	P/N6370793
115MB ESDI 90X7392	P/N6370951
314MB ESDI 90X8745	P/N21F4580
320MB SCSI 85F0011	P/N93X0901
400MB SCSI 85F0012	P/N73F8994
1GB SCSI 92F0428 (1/2 INCH)	P/N55F5000
1GB SCSI 92F0089 (1 INCH)	P/N45G9470
2GB SCSI 92F0440	P/N86F0110
2GB SCSI-2 F/W 92F0407	P/N86F0112

No diagnostics are available which can differentiate between electronics and mechanical failures. Therefore, this procedure is not intended to be a primary repair process. Its' purpose is to be an alternative step prior to replacing a fixed disk drive which contains critical customer data.

If replacement of the logic board does not correct the problem, proceed with normal replacement of the fixed disk drive.

**Note 1 :** The Logic cards may be secured with TORX screws. FRU P/N 39F8407 contains 7 TORX bits and an adapter which allows the bits to attach to a 1/4" socket wrench.

**Note 2 :** The 320MB and 400MB SCSI fixed disk electronics FRU B/Ms' include instructions and special tools to remove the shock mounts which attach the fixed disk assembly to the frame of the electronics kit.

**SAS Keywords :**

PSY2	PSY2MISC	PSY2FDSK	PSY2PART
D/T8560	D/T8580	D/T8590	D/T8595
D/T8557	CIRCUIT CARD	HARDFILE	HARD FILE
FIXED DISK	DASD	8580	CONTROL

CARD  
SERVER  
CARD

ADAPTER  
95

GIG  
85

GIGABYTE  
CIRCUIT

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Model **various**

TypeModel

Retain Tip (if applicable) **H064597**

Reverse Doclinks  
and Admin  
Purposes