

TEAC FD-235H(G)S-9XX
TECHNICAL DESCRIPTION OF DIFFERENCE

REV.A

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1. OUTLINE

This document describes the differences when the TEAC FD-235H(G)S microfloppy disk drive (hereinafter abbreviated as SFD) is changed from the previous 7XX series to the new 9XX series.

With the 9XX series, the flexible disk drive (hereinafter abbreviated as FDD) is changed from the 3XXX series to the 6XXX series and the connection method between the SCSI interface unit (hereinafter abbreviated as FC-1) and the FDD is different from that of the previous series.

The changes in the new series entail the production discontinuation of the 3XXX series FDD.

For the differences between the 3XXX series and 6XXX series FDDs, kindly refer to the "Description of differences" of the FD-235H(G)F-~~65~~XX.

2. MODEL NAME AND PARTS NUMBER

The FC-1 mounting bracket of the SFD is marked as shown in Table 1, distinguishing between the 7XX series and 9XX series.

Nameplate	Previous series	New series
Model name	FD-235H(G)S-7XX	FD-235H(G)S-9XX
Parts number	19307397-XX	19307799-XX

(Table 1) Model name and parts number

On those 7XX series models that can be replaced or substituted with the 9XX series as is, the first digit on the top of the model number is changed from "7" to "9" (the remaining two digits (numbers) remain unchanged).

e.g. FD-235HS-700 → FD-235HS-900

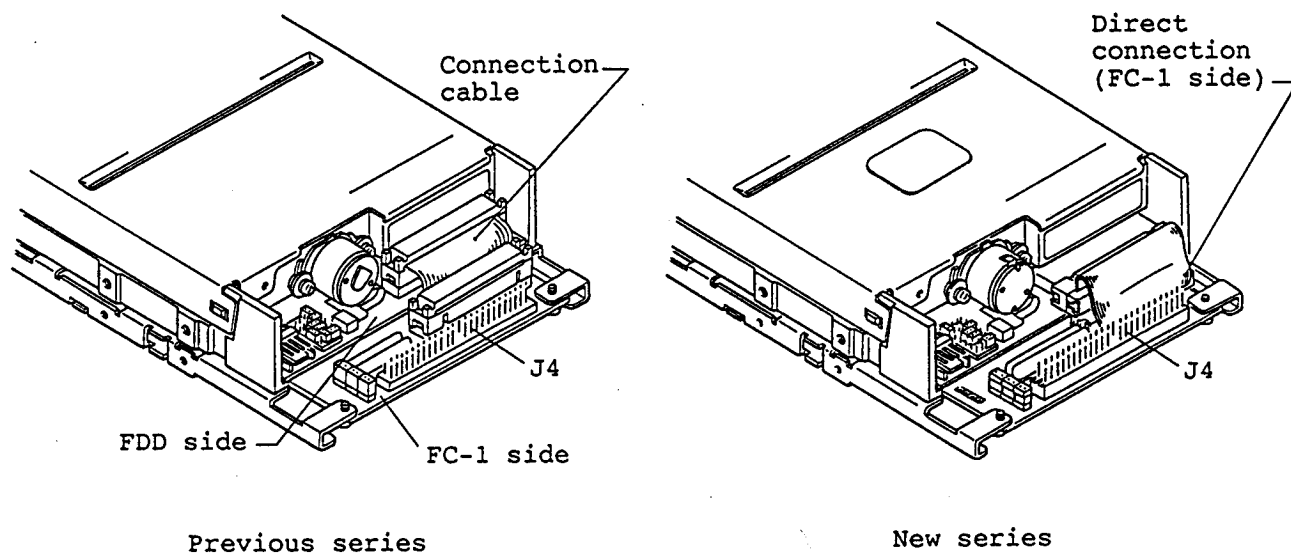
3. DIFFERENCE IN EXTERNAL APPEARANCE

Table 2 shows the differences in appearance.

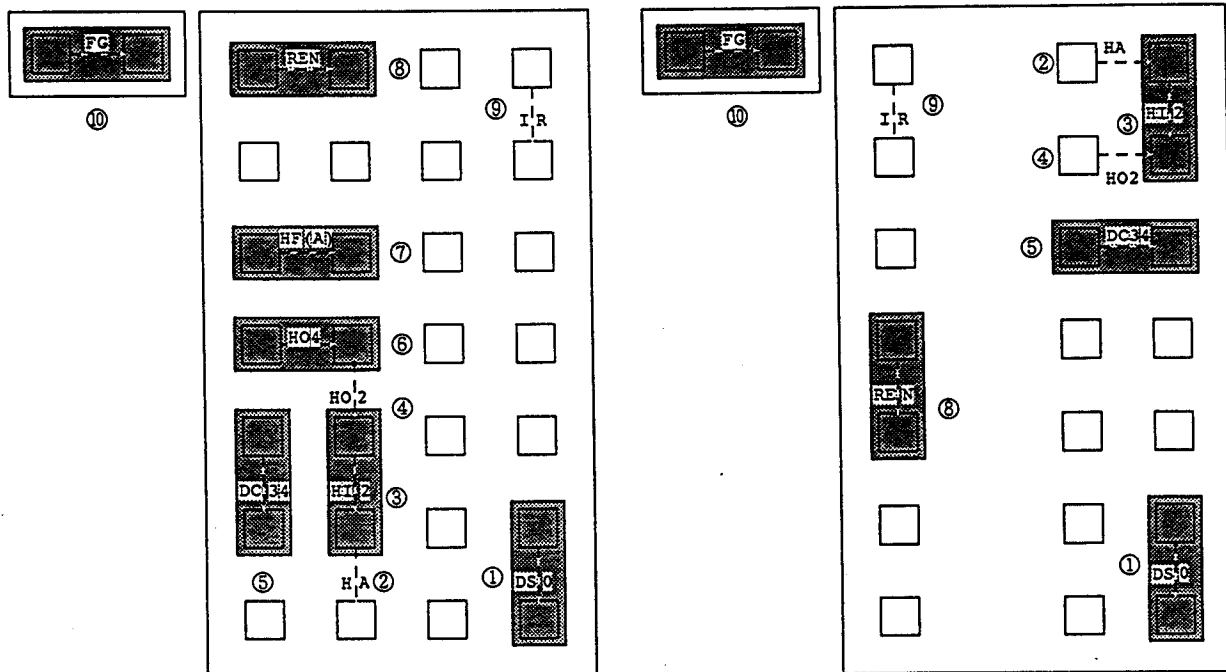
Different points	Previous series	New series
Connection cable between FDD and FC-1	Connector (FDD side) + Connector (FC-1 side)	Connector (FDD side) + Direct connection (FC-1 side)
FDD strap	DS0, HI2, DC34, HO4, HF(A), REN, FG	DS0, DC34, HI2, REN, FG
J4: SCSI signal interface connector	External dimensions. For details, see item 4.	

Note: For the connection between the FDD and FC-1, refer to Fig.1, and for the FDD strap positions, refer to Fig.2.

(Table 2) Differences in external appearance



(Fig.1) Connection between the FDD and FC-1



Previous series

New series

Strap		Outline of function
①	DS0	DRIVE SELECT 0 input
②	HA	Sets FDD automatic density using the HD hole
③	HI2	PIN 2: HD IN input
④	HO2	PIN 2: HD OUT output
⑤	DC34	PIN 34: DISK CHANGE output
⑥	HO4	PIN 4: HD OUT output
⑦	HF(A)	1Mbyte mode sets to 300rpm
⑧	REN	Auto-recalibration enable
⑨	IR	LED active condition: DRIVE SELECT * READY state
⑩	FG	Frame ground

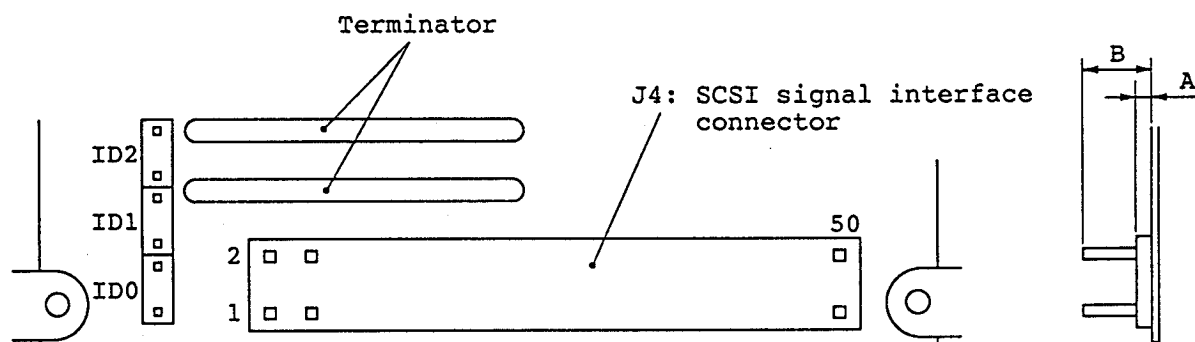
(Fig.2) FDD strap positions

4. DIFFERENCE IN SPECIFICATION

Differences in the specifications are shown as follows (refer to Table 3). The FC-1 and all other specifications including the software specifications, dimensions, operating characteristics, environmental conditions and reliability etc., remain the same as the previous series.

Different points	7XX series	9XX series
J4: SCSI signal interface connector	P/N IMSA-9201B-2-49Z117-GT or equivalent	P/N IMSA-6032B-2-49Z015-GF or equivalent
Number of times the disk can be loaded	3×10^4	1.5×10^4

(Table 3) Difference in specification



	IMSA-9201B-2-49Z117-GT	IMSA-6032B-2-49Z015-GF
A	2.0	4.5
B	8.0	10.5

(Unit: mm)

(Fig.3) Dimensions of connector J4