

Model : Saddle Finisher-D2**Ref. No.** : FF-T01-W-000098-01**Date** : December 22, 1999

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Location : FINISHER CONTROLLER PCB ASSEMBLY**Subject** :

- MASTER EP-ROM (IC105) AND SLAVE CPU (IC121) VERSION UPGRADE (VER. 4)
- MASTER EP-ROM (IC105) AND SLAVE CPU (IC121) VERSION UPGRADE (VER. 10)
- SLAVE CPU (IC121) TYPE CHANGE

Reason :

- A version upgrade has been implemented in order to reduce the sound generated when side registration of the punch unit is in operation. This has been communicated as Ver. 4.
- In conjunction with the version integration of Finisher-D1 Saddle Finisher-D2, the version has been upgraded to Ver. 10.
- Slave CPU (IC121) has been changed from a flash type to a 1 time type. In addition, this component has been made a mask type.

Master EP-ROM version modification history

Serv. Info. No.	Ver. No.	Description	Date
FF-T01-W-000098-01	Ver. 10 Ver. 4	<ul style="list-style-type: none">• Versions integrated• Reduction of sound when side registration of punch unit is in operation.	December 22, 1999

Slave CPU version modification history

Serv. Info. No.	Ver. No.	Description	Date
FF-T01-W-000098-01	Ver. 10 Ver. 4	<ul style="list-style-type: none">• Versions integrated• Reduction of sound when side registration of punch unit is in operation	December 22, 1999

Details : Master EP-ROM Ver. 4 changes

No.	Item	Description
1	Reduction of sound when side registration of punch unit is in operation	The high current of the stepping motor causes the motor to vibrate strongly. The current has been lowered in an attempt to lessen the vibration.

Slave CPU Ver. 4 changes

No.	Item	Description
1	Reduction of sound when side registration of punch unit is in operation	When the power is turned OFF/ON, the punch unit moves 6mm from the home position and then returns to the home position. The upgrade will stop the unit from making this movement.

Master EP-ROM Ver. 10 changes

No.	Item	Description
1	Versions integrated	The integration of the versions for Finisher-D1 and Saddle Finisher-D2 do not involve any changes in the ROM operation.

Slave CPU Ver. 10 changes

No.	Item	Description
1	Versions integrated	The integration of the versions for Finisher-D1 and Saddle Finisher-D2 do not involve any changes in the ROM operation.

- Servicing** :
- Slave CPUIC121 has been changed from a flash type to a 1-time type. In addition, this component has been made a mask type. When the slave CPU is converted to both a 1-time type and mask type, any attempt to download programmes would damage the chip. Therefore, the download J130 has been deleted from the Finisher controller PCB assembly, in order to prevent programme downloads.
 - As the slave CPU type has been changed, there are now three types of slave CPU. They are identified as follows.

Slave CPU type	Identification
Flash type	The yellow seal on the slave CPU bears the part number FH4-1366.
1 time type	The yellow seal on the slave CPU bears the part number FH4-1387.
Mask type	The part number FH4-1388 is imprinted on the slave CPU.

3. There are three slave CPU versions, Ver. 3, Ver. 4 and Ver. 10. The version differs according to the type. The flash type is either Ver. 3 or Ver. 4, the 1 time type is Ver. 4 and the mask type is Ver. 10. Further, the slave CPU version and master EP-ROM version are to be used in the correct combinations. (See below.)
- Slave CPU Ver. 3 to be used with master EP-ROM version Ver. 3.
 - Slave CPU Ver. 4 to be used with master EP-ROM version Ver. 4.
 - Slave CPU Ver. 10 to be used with master EP-ROM version Ver. 10.

Slave CPU		Master EP-ROM version
Type	Version	
Flash type	Ver. 3	Ver. 3
	Ver. 4	Ver. 4
1 time type	Ver. 4	Ver. 4
Mask type	Ver. 10	Ver. 10

4. When upgrading the slave CPU and master EP-ROM, the versions must coincide. Do not use any combinations other than those listed above.
- When the slave CPU is a flash type, it upgrading may be done by downloading. Therefore, the master EP-ROM and slave CPU should be upgraded at the same time, and upgraded to the same versions.
 - When the slave CPU is a 1 time type, it cannot be upgraded by downloading and, therefore, cannot be upgraded from Ver. 4 to Ver. 10. If the master EP-ROM is to be made Ver. 10, the Finisher controller PCB assembly must be replaced with the new type which has a mask version mounted.

Service Parts :

No.	Description		Part number	Q'ty	Stock	Inter-change-ability	PC. Stock date
1	Old	IC, M27C4002-80XF1	FF3-3749-000	1→0	A	↓ ↑ No Yes ↓ ↑	Q90-1
	New	IC, M27C4002-80XF1	FF3-3749-100	0→1	D		
2	Old	FINISHER CONTROLLER PCB ASS'Y	FG3-0537-000	1→0	A	↓ ↑ No Yes ↓ ↑	Q90-1
	New	FINISHER CONTROLLER PCB ASS'Y	FG3-0537-040	0→1	D		

Affected machines:

Upgrade Ver. 4

- F24-9511 (120V 60Hz) NLJ00708 and later
- F24-9521 (220/240V 50Hz) ULJ00319 and later

Upgrade Ver. 10

- F24-9511 (120V 60Hz) NLJ03102 and later
- F24-9521 (220/240V 50Hz) ULJ02019 and later

Download J130 deleted

- F24-9511 (120V 60Hz) NLJ02284 and later
- F24-9521 (220/240V 50Hz) ULJ01451 and later