

DIGITAL	FCO	CATEGORY [F]	PAGE 1 OF 4
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FIELD APPLICATION DOCUMENT (FA-04998-01)	FCO NUMBER: LPS32-F001
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APPLICABILITY: This "F" coded FCO should be performed on all variations of the LPS32 that are at revision "A01".

There are a total of 456 of the 110V units and 184 of the 220V units that require this FCO; they are identified as being revision "A01" models. This FCO upgrades the LPS32 to revision "B01".

PROBLEM & SYMPTOM:

The problem printers exhibit minor software bugs and do not support the Optional output trays; the firmware has been phased in from ECR# DEC-10019, issued on/around 12 February 1993.

SOLUTION:

Follow the instructions, which are included in your EQ Kit, as part of this document.

QUICK CHECK:

LPS32 printers at revision "B01" and higher do not require this FCO.

PRE/CO-REQUISITE FCO:

Mone

MTTI HRS

.5 hrs.

TOOL/TEST EQUIPMENT:

Group strap

FCO PARTS INFORMATION

FCO KIT NO.	DESCRIPTION OF CONTENTS
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EQ-01662-01	1. Engine drive ROM, labeled, "G0135131" 2. Table drive ROM, labeled, "G6475152" 3. Sticky bar code label, "B01" (13 mm square)
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FA-04998-01	Field Application Document
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FCO CHARGING INFORMATION (See Last Page)

APPROVALS

TECH. ENGINEER Steve Grigas/	BUSINESS MGR. Art Len/	DSHQ LOGISTICS Paul Kennedy	DS PRODUCT SAFETY Robert Brister
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Dat Pham	Dick Morelli		
MICROMEDIA	PARTS AVAILABILITY	FCO REVISION	FCO RELEASE DATE
Diane MacDonald	March, 1993	A	March, 1993

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Summary:

The LPS32 printers that have the older V1.0 engine drive and V1.1 table drive firmware, do not support the Optional Output Trays. This older version of firmware has some minor software bugs in the currently-shipping engine drive & table drive firmware. The implementation of this FCO addresses this shortcoming.

NOTE

Both the engine drive board (pcb) spare 29-29640-01 and table (or cabinet or duplexer/LCIT) drive board (pcb) spare 29-29647-01 should be updated to revision "B01", if not already, with this EQ kit; no testing is required.

I. Field Implementation Procedure

A. Determine if procedure is required.

1. Check for B01 or higher revision, on back of unit.
2. On power up, the LCD will show firmware version levels for controller, engine and table pcbs, in that order.
 - the controller should be at 3.1 or higher,
 - the engine should be at 2.0 or higher
 - the table should be at 1.2 or higher

(For example: 3.1 2.0 1.2 is acceptable)

B. Performing the Procedure

1. Pre-requisites:

- Have LPS32 Service Guide EK-LPS32-SG on hand.
- Be duly trained on this equipment.

- Have kit EQ-01662-01 on hand.
- Study procedure before starting.
- Set up anti-static work area and wrist strap.
- Power down printer & unplug from wall socket.

2. Replace engine drive ROM:

- a. Open front panel cover.
- b. Remove shield plate (cover) from card cage (2 screws).
- c. Remove grounding plate (bracket) on front of card cage pcb's (2 screws).
- d. Remove engine module (top) pcb and place on anti-static surface.

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- e. Remove engine socketed ROM identified as IC232.
- f. Install new engine drive ROM. Be careful to align properly.

****NOTES****

- All IC's have the same orientation.
- Be careful to install "engine", NOT table drive ROM.
- Engine ROM has the following label for identification: "G0135131"

- g. Reverse procedure to complete engine drive ROM installation.

3. Replace table drive ROM:

- a. Remove table (cabinet) cover on rear of printer (2 screws).
- b. Remove table socketed ROM identified as IC402.
- c. Install new table drive ROM. Be careful to align properly.

****NOTES****

- All IC's have the same orientation.
- Be careful to install "table", NOT engine drive ROM.
- Table ROM has the following label for identification: "G6475152"

- d. Reverse procedure to complete table drive ROM installation.

C. Testing for Completeness

1. Plug in and reboot system by power cycle.
2. Verify installation by checking the firmware versions on the FP (front panel), which should be "3.1 2.0 1.2"

****NOTES****

- If the panel LCD is xx09.1002 at power up, the engine drive ROM is not installed properly.
- If the LCD displays "Hardware Error 52" or the table firmware version "1.2" is missing, the table drive ROM is not installed properly.

3. Power down, correct the error and re-cycle power. Make sure LCD displays the following firmware versions at the end of the power-up diagnostics: "3.1 2.0 1.2"
4. Dispose of the old ROMs and packaging according to Digital standards.

D. Update engine with "B01" revision sticker:

1. Place "B01" sticker bar code over the "A01" of the sticker with serial number, revision "A01" and date on the rear of printer.

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E. Internal Recording

1. Report this FCO activity on the LARS form in the "Fail Area/Module/FCO/Comments" column as follows:
2. Report this FCO activity on the maintenance sheet on the inside of the table door.

LARS Example

	USA	GIA	EUROPE
Activity -			
(a)Contract	W	U	K
Warranty	W	U	W
(b)IN-DEC Contract	K	U	A
Non Contract/Non Warranty	F	F	F
(c)RTD/Off-site Agreement	F	U	F

Hardware Segment Code	111	111	111
Product Line	031		031
DEC Option	LPS32-XX	LPS32-XX	LPS32-XX
Option ID	X	N/A	N/A
Type of Call	M	M	M
Action Taken	D	D	I
Fail Area-Module-FCO-Comments	LPS32-F001	LPS32-F001	LPS32-F001
Material Used	EQ-01662-01	EQ-01662-01	EQ-01662-01

- (a) Warranty Optimum, Warranty Standard and Warranty Basic (on-site) Agreements; * Note material (only) free of charge for all customers.
- (b) Applies to IN-DEC Area Only
- (c) RTD=Return to Digital or Off-site Agreements; If Field Engineer On-site, use Activity Code "F".

FCO CHARGING INFORMATION

WARRANTY/CONTRACT				NONWARRANTY/NONCONTRACT				
ON-SITE		OFF-SITE		ON-SITE		OFF-SITE		MATERIAL ONLY
TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	TRAVEL/ INSTALL	EQ KIT	INSTALL	EQ KIT	ORDER-ADMIN, HANDLING PKG, SHIPPING & EQ KIT
DEC	DEC	DEC	DEC	CUS	CUS	CUS	CUS	CUS

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