

## Product Support Bulletin

Subject: Power Specifications

Date: 2/7/90  
Page: 1 of 2

PSB No: P-0060  
Originator: RFB

The following information is a list of the power requirements for the Epson 9 and 24 pin printers and laser printers.

Product	Voltage	Max. Current Consumption	Power Consumption	BTU/HR
Apex80	120V	.7 Amp	84 VA maximum	286.69
DFX5000	120V	5.0 Amp	600 VA maximum	2047.80
DFX5000	220V	3.0 Amp	660 VA maximum	2252.58
EPL6000	120V	6.0 Amp	720 VA maximum	2457.36
EX800/1000	120V	1.0 Amp	120 VA maximum	409.56
FX850/1050	120V	1.5 Amp	180 VA maximum	614.34
FX86e/286e	120V	1.0 Amp	120 VA maximum	409.56
GQ3500	120V	6.0 Amp	720 VA maximum	2457.36
L1000	120V	1.8 Amp	216 VA maximum	737.20
LQ500	120V	1.8 Amp	216 VA maximum	737.20
LQ510	120V	1.8 Amp	216 VA maximum	737.20
LQ1010	120V	1.8 Amp	220 VA maximum	750.86
LQ850/1050	120V	2.0 Amp	240 VA maximum	819.12
LQ2550	120V	4.2 Amp	504 VA maximum	1720.15
LX800	120V	.7 Amp	84 VA maximum	286.69

Product	Voltage	Max. Current Consumption	Power Consumption	BTU/HR
LX810	120V	.7 Amp	84 VA maximum	286.69
T750	120V	1.0 Amp	120 VA maximum	409.56
T1000	120V	.7 Amp	84 VA maximum	286.69

**If the power requirements of a particular Epson printer is not listed please refer to the appropriate User's Manual for the electrical specifications. In the event that the User's Manual is not available, locate the silver label on the back of the Epson printer. This is a reliable source for the electrical requirements. The following formula is used to calculate the electrical power requirements:**

**VOLTAMPS is equivalent to WATTS**

**VOLTAMPS = Volts \* Amps**

**AMPS = Voltamps/Volts**

**BTU/HR = Watts \* 3.413**

**Example:**

**120V \* 1A = 120VA**

**120VA/120V = 1A**

**120VA is equivalent to 120W**

**120W \* 3.413 = 409.56 BTU/HR**

**Heat output is rated in BTU/HR.**

**EPSON**


EPSON AMERICA, INC.

# INFORMATION

## Product Support Bulletin

Subject: Tractor Pin Alignment

Date: 5/15/89  
Page: 1 of 1

PSB No: P - 00044  
Originator: RP 

The purpose of this bulletin is to insure the proper installation and alignment of the FX- 850/1050 and LQ- 850/1050 push tractor assemblies.

There are two possible ways to install the tractor frame on the push tractor assembly. If the frame is installed incorrectly, the tractor belt pins on the two tractors will not be aligned, and the resulting printout appears to be slanted on the page, or the perforated edge will be torn. This is caused by the marks on the tractor shaft holders being 180 degrees 'out of phase.'

When assembling a tractor, there are two grooves in the shaft, and two tabs on the tractor shaft holder. If the pins on both tractor belts are not aligned, it will be necessary to disassemble the tractor, and rotate one tractor shaft holder 180 degrees, to bring it back into alignment with the other shaft holder.

Alignment can be verified by examining the marks in the shaft holders, which will both be in the forward position when properly aligned, as shown in Figure 4- 51 below.

### ASSEMBLY POINT

When mounting the tractor assemblies to the shafts, set them so that the marks on the right and left tractor frames are at the same position. Make sure that the pins on the right and left tractor belts are aligned in parallel.

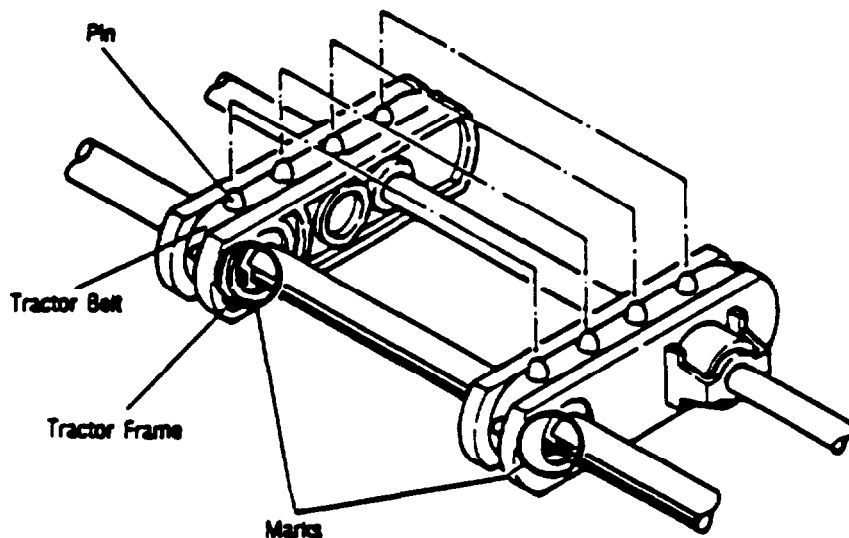


Figure 4-51. Tractor Assembly Phases

PSB NO. : P-0024

DATE: 8/01/88

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**SUBJECT: FX-850/1050 UNDOCUMENTED BUFFER FEATURE**

The FX-850/1050 dot matrix printers support an important feature that is currently undocumented in the printer's User's manual. The FX-850/1050 printers have the ability to enable or disable the input buffer. This feature is controlled from the printer's front panel by holding down the Load/Eject button during power

disabled or will beep twice indicating that it is enabled. The condition of the input buffer may be changed back by simply repeating the above operation. The printer's Self Test feature may be used to determine the current setting of the input buffer without changing it. Please refer to the Self Test examples shown below.

```

Page Leng... 2-1 OFF
CSF Mode Invalid 2-2 OFF
Skip Perforation None 2-3 OFF
Auto LF Depend on I/F 2-4 OFF
→ Input Buffer Valid
! "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
! "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...

```

```

Page Leng... 2-1 OFF
CSF Mode Invalid 2-2 OFF
Skip Perforation None 2-3 OFF
Auto LF Depend on I/F 2-4 OFF
→ Input Buffer Invalid
! "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
! "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...
" "$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMN...

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## Product Support Bulletin

**Subject: Epson Dot - Matrix Printer Options and Accessories**

**Date: 8/1/89**  
**Page: 1 of 2**

**PSB No: P-0017B**  
**Originator: RFA**

### 9 - PIN DOT MATRIX OPTIONS

	<u>LX-810</u>	<u>FX-850</u>	<u>FX-1050</u>	<u>DFX-5000</u>
<u>TRACTOR UNITS</u>				
PULL TRACTOR	C800061	7311 -A	7312-A	8309-A
<u>CUT SHEET FEEDERS</u>				
SINGLE BIN	C806121	7339-A	7340-A	N/A
DOUBLE BIN	N/A	7348-A	7348-A	N/A
<u>RIBBONS</u>				
STANDARD (BLACK)	8750	8750	8755	8786
<u>INTERFACE BOARDS</u>				
SERIAL - OK BUFFER	8143	8143	8143	8143
SERIAL - 8K BUFFER	8148	8148	8148	8148
PARALLEL - 32K BUFFER	8172	8172	8172	8172
IEEE 488 - 8K BUFFER	8165	8165	8165	8165
<u>CABLES</u>				
STANDARD IBM PARALLEL	C1-9E-A	C1-9E-A	C1-9E-A	C1-9E-A
SERIAL DB-25 TO DB-9	<del>C94-9</del>	<del>C94-9</del>	<del>C94-9</del>	<del>C94-9</del>
SERIAL DB-25 TO DB-25	<del>C20-9</del>	<del>C20-9</del>	<del>C20-9</del>	<del>C20-9</del>
<u>MISC. PRINTER ACCESSORIES</u>				
PRINTER STAND	CPD-552	CPD-552	KP - STAND	8501-A

(CONT.)

24 - PIN MATRIX OPTIONS

	<u>LQ-510</u>	<u>LQ-850</u>	<u>LQ-950</u>	<u>LQ-1050</u>	<u>LQ-2550</u>
<u>TRACTOR UNITS</u>					
PULL TRACTOR	C800061	7311-A	7313-A	7312-A	7314-A
<u>CUT SHEET FEEDERS</u>					
SINGLE BIN	C806121	7339-A	7345-A	7340-A	N/A
DOUBLE BIN	N/A	7346-A	7347-A	7348-A	7343-A
<u>RIBBONS</u>					
STANDARD (BLACK)	7753	7753	7767	7754	7762
STANDARD (COLOR)	N/A	N/A	N/A	N/A	7763
FILM (BLACK)	7768	7768	7769	7770	7764
<u>INTERFACE BOARDS</u>					
SERIAL - 0K BUFFER	8143	8143	8143	8143	8143
SERIAL - 8K BUFFER	8148	8148	8148	8148	8148
PARALLEL - 32K BUFFER	8172	8172	8172	8172	8172
IEEE 488 - 8K BUFFER	8165	8165	8165	8165	8165
<u>CABLES</u>					
STANDARD IBM PARALLEL	C1-9E-A	C1-9E-A	C1-9E-A	C1-9E-A	C1-9E-A
SERIAL DB-25 TO DB-9	C94-9	C94-9	C94-9	C94-9	C94-9
SERIAL DB-25 TO DB-25	C20-9	C20-9	C20-9	C20-9	C20-9
SERIAL DIN-6 TO DB-9	N/A	CA070	CA070	CA070	N/A
SERIAL DIN-6 TO DB-25	N/A	8297	8297	8297	N/A
APPLE ][e, DB-25 TO DIN-6	N/A	8293	8293	8293	N/A
APPLE ][c, DIN-6 TO DIN-S	N/A	8239	8239	8239	N/A
<u>FONT MODULES</u>					
COURIER	7400A	7400A	7400A	7400A	7400A
PRESTIGE	7401A	7401A	7401A	7401A	7401A
SCRIPT	7402A	7402A	7402A	7402A	7402A
OCR - B	7403A	7403A	7403A	7403A	7403A
MULTI	7407-A	7407-A	7407-A	7407-A	7407-A
<u>MISC. PRINTER ACCESSORIES</u>					
WINDOWS DRIVER SOFTWARE	DCB-LQ2	DCB-LQ2	DCB-LQ2	DCB-LQ2	DCB-LQ2
APPLE MAC LQ SOFTWARE	C842001	C842001	C842001	C842001	C842001
LQ PATCH SOFTWARE	LQ1	LQ1	LQ1	LQ1	LQ1
PRINTER STAND	CPD-552	CPD-552	KP - STAND	KP - STAND	KP - STAND

# Product Support Bulletin

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**Subject:** Quick Reference for Printer Acoustic Noise Levels

**Date:** 6/5/91  
**Page(s):** 1 of 2

**PSB No:** P-0016D  
**Originator:** SLS

Sound intensity is measured in units called Bels (named after Alexander Graham Bell,) or more commonly in tenths of this fundamental unit: decibels. In making noise measurements a weighting network is applied in an attempt to match the frequency response of the instrument to that of the human ear. The most common is the A weighting network, with resulting measurements expressed in dB(A).

The following is a list of current product's noise levels tested in accordance with standards set by the International Standards Organization (ISO). The acoustic noise levels for the 9 pin printers are averages while printing in Near Letter Quality (NLQ) mode using continuous paper and are not guaranteed figures. The acoustic noise levels for the 24 pin printers are averages while printing in Letter Quality (LQ) mode using continuous paper and are not guaranteed figures. The acoustic noise levels for the laser printers are averages while using single sheet paper and are not guaranteed figures.

## 9 PIN PRINTERS

MODEL	NOISE LEVEL
LX-810	56 dB(A)
FX-850	56 dB(A)
FX-1050	56 dB(A)
DFX-5000	55 dB(A)
DFX-8000	55 dB(A)

## 24 PIN PRINTERS

MODEL	NOISE LEVEL
LQ-200	55 dB(A)
LQ-510	56 dB(A)
LQ-1010	56 dB(A)
LQ-850	56 dB(A)

<b>MODEL</b>	<b>NOISE LEVEL</b>
LQ-860	55 dB(A)
LQ-1050	55 dB(A)
LQ-2550	55 dB(A)

### **LASER PRINTERS**

<b>MODEL</b>	<b>NOISE LEVEL</b>
EPL-7000	50 dB(A)
EPL-7500	50 dB(A)