STAR Model DP-8340 FM-120

Specifications

Integrated Features
- Serial Interface (Modular Jack)
- Friction Feed
- Internal Peripheral Driver
    12V Single Cash Drawer Support
- Separate Power Supply
- 1.5 K print buffer

Optional Features
- Journal Paper Cutter
- Parallel Interface
- Cash Drawer Cable
- Sprocket Feed

Print Features
- 5 x 9-Pin Print-Head
- Two Color Printing
- 50 million character print-head life
- Bi-Directional Printer
- 2 Lines/Sec. Print Speed
- 12 Lines/Sec. Paper Feed Speed
- Columns (29@10cpi, 40@12cpi, 44@15cpi)
- Support 4.5" paper

Interface (Serial)
- Full Duplex - Error Checking Protocol
- X-ON / X-OFF Or DTR Handshaking
- Baud Rate: 150,300,600,1200,2400,4800,9600
- Bit Transfers: N,8,1 Or E,7,2
- Asynchronous Synchronization

Dimensions
- 3.9'' h X 7.9'' w X 7.8'' d (Printer Only)
- 3.8" h X 5.0'' w X 6.2'' d (Power Supply Only)

Weight
- Printer Only   4.19 lb.
- Power Supply   5.51 lb.

Power Supply
- 120V ac to 12V DC @ 2 amp

Switch Settings - SW1

Switch	Setting	Function
1	OFF	150 baud rate
	OFF	300 baud rate
	OFF	600 baud rate
	OFF	1200 baud rate
	ON	2400 baud rate
	ON	4800 baud rate
	ON*	9600 baud rate
2	OFF	150 baud rate
	OFF	300 baud rate
	ON	600 baud rate
	ON	1200 baud rate
	OFF	2400 baud rate
	OFF	4800 baud rate
	ON*	9600 baud rate
3	OFF	150 baud rate
	ON	300 baud rate
	OFF	600 baud rate
	ON	1200 baud rate
	OFF	2400 baud rate
	ON	4800 baud rate
	ON/OFF*	9600 baud rate
4	ON*	Stop bit = 1
	OFF	Stop bit = 2
5	ON*	DTR/DSR protocol
	OFF	X-ON/X-OFF protocol
6	ON*	Data bits = 8
	OFF	Data bits = 7
7	ON*	No Parity checked
	OFF	Parity checked
8	ON*	Parity selection - Odd
	OFF	Parity selection - Even

* = Default Setting

Switch Settings - SW2

Pin #	Setting	Signal Name or Function
1	ON*	USA Character Set
	OFF	France Character Set
	ON	Italy Character Set
	OFF	Germany Character Set
2	ON*	USA Character Set
	ON	France Character Set
	OFF	Italy Character Set
	OFF	Germany Character Set
3	ON*	DP8340F / DP8340S 2 Copy Paper
	OFF	DP8340S Single Copy Paper
4	ON*	CR Invalid
	OFF	CR Valid

* = Default Setting

Modular Jack Connector Layout

Pin #	Direction	Signal Name or Function
1	-----	GND or Shield Ground
2	-----	GND or Frame Ground
3	Output	Carries data from the printer
4	Input	Carries data to the printer
5	Output	SPACE if printer is turned ON
6	Output	Printer sets MARK if error occurs
7	-----	GND or Signal Ground
8	Output	Print sets SPACE if ready to Recv.

Terminal Board Color Layout Chart

Symbol	Lead Color	Connected Parts
WH	White	Clutch Solenoid
YE	Yellow	Ribbon Shift Solenoid
RE	Red	Motor Governor Board (+)
BL	Black	Motor Governor Board (GND)
OR	Orange	CAM Board (5 VDC)
GR	Grey	CAM Board (GND)
PI	Pink	CAM Board (output)
VI	Violet	Reset Board
BR	Brown	Motor Governor Board (Brake)

Special Notices

- The maximum size paper roll allowed on paper source spool is 3-1/8" in diameter
- Do not use ketone, thinner or trichlene cleaners because this could deform plastic parts of printer.
- Check ribbon for fraying or excessive use. Replace ribbon with an approved ribbon or print-head's life will be shortened
- Use vacuum or air to remove any lint, paper shreds from printer so printer may function properly.
- Never print without paper or ribbon installed, this will shorten the print-head's life.
- Dip switches SW1 & SW2 are located on the exterior of the back-left side of the printer.

Tool Requirements

- Flatblade Screwdriver
- Phillips Head Screwdriver (M2-M4)
- Vacuum Cleaner
- Compress Air
- Tweezers
- Thickness Gauge (0.15 mm -0.70 mm)

Adjustments

Print-Head Clearance
- Open ribbon access cover on rear of printer
- Remove any paper in printer
- Remove ink ribbons (See Procedures)
- Locate and loosen two screws on top of print-head
- Adjust clearance between the platen and print-head to .475" $\pm$ .025" using appropriate thickness guide.
- To stop print-head from sliding tighten the screws.
- Replace Ink Ribbon (See Procedures)
- Add paper and close rear cover.

Procedures

Print Test
- Recycle power to printer and depress FEED button.
- Printer begins to print some test patterns and inf.
- To end the Print Test recycle power to printer.

Removal Of Ink Ribbon Spools
- Open cover on rear of printer if not already done.
- Locate the circular ribbon spools.
- Pop-Up any ribbon spool, but do not remove, by grabbing the sides of spools and lifting up while pressing down on the ribbon center post.
- Pop-Up the other ribbon spool the same way.
- Remove both ribbon spools and try to keep spools in the same L/R positions they were on the printer.

Replacement Of Ink Ribbon Spools
- Take printer OFF-line and open rear cover.
- Position ribbon spools next to printer so they are side by side with ribbon facing to rear of printer and the red portion of ribbon is on the bottom.
- While keeping same spool positions place spools on the L/R ribbon center posts and turn briefly to align keyed position in ribbon spool to match post.
- While pressing down on spools make sure ribbon passes between the print-head and the paper.
- Verify that ribbon moves freely and is not caught.
- Close cover and return printer ON-line

Field Replaceable Units

Description	OEM Part	IBM Part
DP-8340 Printer	DP8340FM-120T	06J8792
Power Supply	AD8340	90G6384