



## ML 182 / 280 IBM

1. If a roll paper stand or a tractor assembly is fitted, remove it. Then remove the platen knob and access cover, undo the two recessed screws in the front corners of the printer case and lift the front of the case, the rear of the case will then come free.
2. If you are using the serial version of the printer it will be necessary to remove the serial board. This is secured by two screws adjacent to the cable connector, when these screws are removed it is then possible to pull the board off.
3. Locate Q8 and Q9 (if fitted) on the main board, note the orientation remove it (them) and fit the replacement(s).
4. Replace the case, access cover, and platen knob etc.

## Link Settings (Only applies to ML 182 Elite)

All Elite versions of the ML 182 are fitted initially with EPROMS whose size is 27256 (this is printed on the EPROM). If you are fitting EPROMS whose size is 27128 then the link on SP3 should be moved to SP1. These links are clearly marked on the main board.

## Notes for all printers

1. Note which end of the EPROM has the indent in it so the replacement can be aligned the same way.
2. It is strongly recommended that an extractor tool is used to remove the old EPROM. If an extractor is not available then insert a small flat bladed screwdriver under one end of the EPROM and gently ease it upwards, then insert the screwdriver under the other end and ease that end up, repeat until the EPROM is free.
3. When fitting a replacement EPROM ensure all legs are correctly aligned and none are bent when inserted.
4. To avoid static damage to EPROMS anti-static precautions should be taken. If you do not have the relevant equipment try to earth yourself by touching a radiator or similar, avoid touching the legs of the device and try to work in a room that does not have a highly static flooring.
5. Take care when moving boards or leads that no wires become trapped as this may result in permanent damage to transformers etc.



## 182 IBM – Switch Settings

NOTE. If you have the optional interface board installed then the switch settings described below are located on the lower board.

### SWITCHES

1. Selects either slashed zero or Cent & Yen character set in the location of IBM character set (9B) H and (9D) H respectively, depending on this settings. Set to OFF, the printer will power up in the slashed zero character set. And set ON, the printer will power up in the Cent & Yen character set.

It is recommended that you set the printer to print the character set you will be using most often.

2. Is set in the OFF position and established 10 CPI as the default character pitch; in the ON position, 17.1 CPI is established as the default character pitch.
3. Controls the automatic line feed. It is set in the OFF position because IBM Personal Computers automatically sends a carriage return to the printer at the end of each line. Set in the ON position, Switch 3 provides automatic double spacing.

4&5. Work together to select the length of the paper in the printer. The setting before shipment is as follows:-

11 inches for 240-V version

12 inches for 220-V version

The paper length selections are:

Length of Paper	Switch 4	Switch 5
11-2/3 inches (A4)	OFF	OFF
8.5 Inches	OFF	ON
11 Inches	ON	OFF
12 inches	ON	ON

6. Is the automatic “skip over perforation” settings which is factory set in the OFF position. When set in the ON position, the printer automatically advances paper from the last line of one page to the first line of the next page, skipping over the perforation between pages.
7. Selects the character set. This switch is factory set in the ON position and establishes character set II as the default character set. In the OFF position, character set I is established as the default character set.
8. Selects the roll paper stand (RPS) or the cut-sheet feeder (CSF). To select the cut-sheet feeder move the switch to the ON position.

The factory switch settings are as follows for the 240 Volt version

Switch	Selection	Setting	Switch	Selection	Setting
1	Slashed zero	OFF	5	11 inches	OFF
2	10 CPI	OFF	6	No Skip Over Perforation	OFF
3	NO AUTO LF	OFF	7	Character Set II	ON
4	11 inches	ON	8	Roll Paper Stand	OFF