Adding extended features to a Phaser® 350 — Upgrade Kit Z350FX

This kit provides the 16-Mbyte RAM SIMM and print engine ROM necessary to provide 600 x 300 dpi printing, 52 additional fonts, imaging pipelining, job collation (requires Z350DSK option) and check Print mode to a Phaser 350 Color Printer.

Kit contents

- Print engine ROM

- 16-Mbyte RAM SIMM

- Additional Adobe PostScript fonts (on CD-ROM)

- Anti-static wrist strap

- ROM puller tool

On-site installation

Professional, on-site installation is just a phone call away. Productivity is important to your business success – so when you need it done right – the first time – call Tektronix. Tektronix' on-site installation delivers what you've been looking for: expert service technicians who provide quality, on-site product installation. In the United States and Canada, call 1-800-835-6100.

Don't install this upgrade, if you are not comfortable modifying electronic equipment. You will be liable for any damage caused to the printer.

063-2581-AA

Static electricity precautions

- Leave the printer plugged into its power outlet; this preserves a ground path for static discharges.

- Touch the printer's bare metal frame often to discharge static electricity from your body.

- Handle the circuit board(s) by their edges only.

- Do not lay the board(s) on a metal surface.

- Make the least possible movements to avoid generating static electricity.

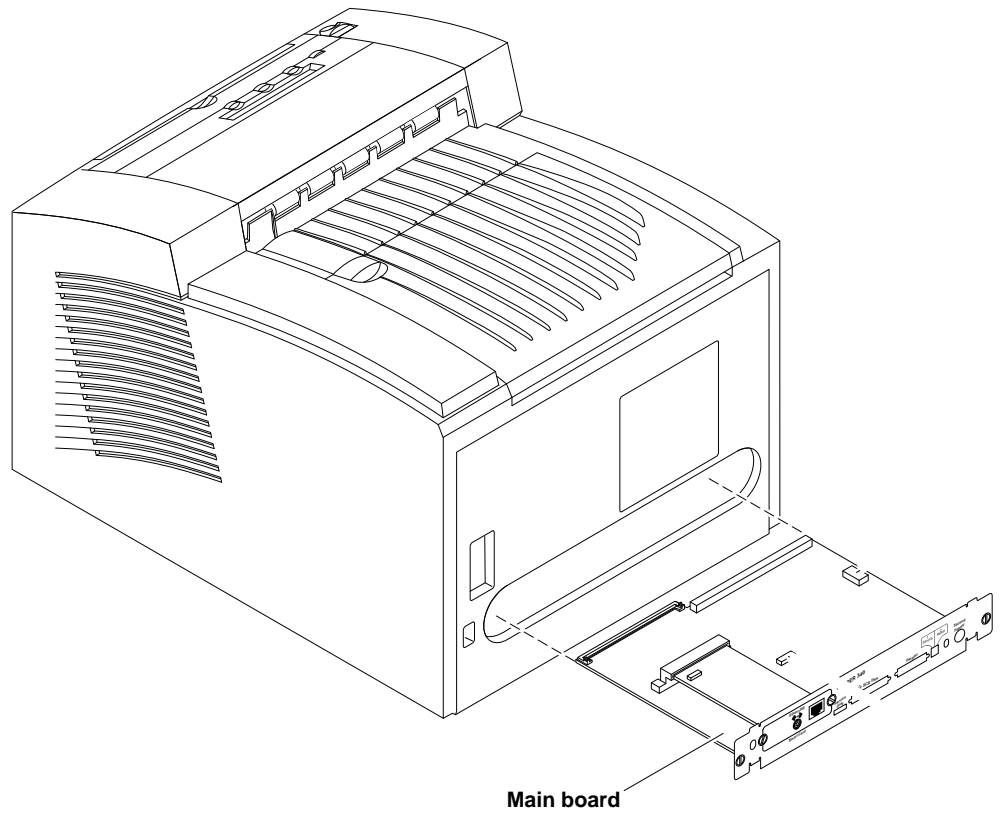- Avoid wearing wool, nylon or polyester clothing; they generate static electricity.

Upgrading the printer

Removing the main board

Caution   ***Do not tilt the printer.*** *If you must move the printer to access the rear of the printer to install the upgrade, be careful not to tip or tilt the printer. Hot, liquid ink in the printer could spill and damage the printer. Once the printer is turned off, it takes 30 minutes for the ink to cool to its solid state. Wait 30 minutes to allow the ink to cool.*

1. Power down the printer. Leave the power cord plugged in to provide a ground path for static discharges. Remove the interface cables.

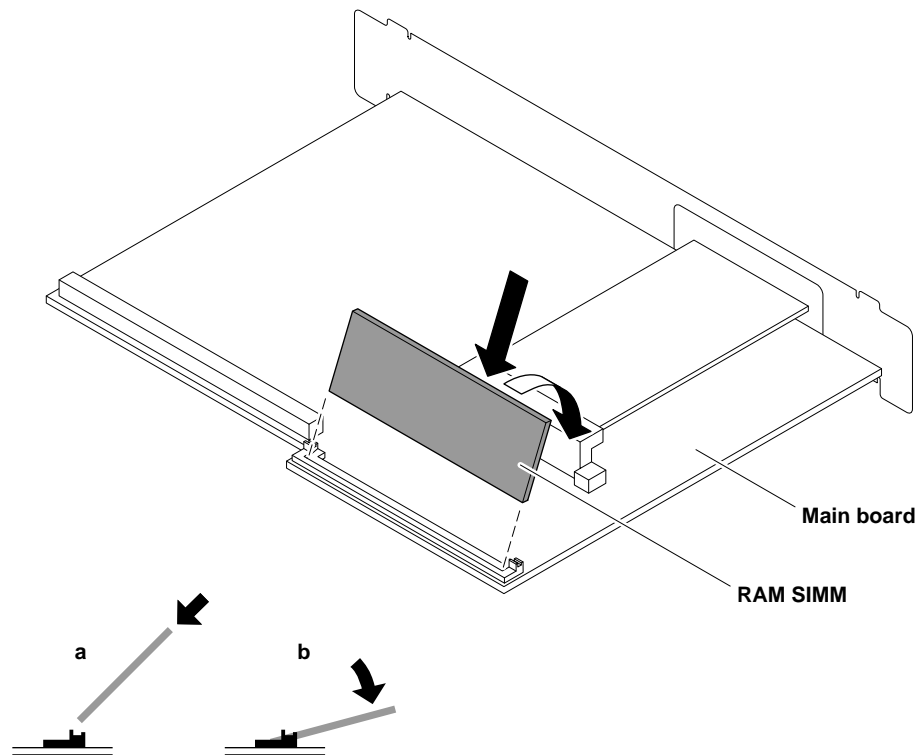2. Loosen the two rear panel securing screws.

3. Slide out the main board.

Main board

9100-63

Installing the 16-Mbyte SIMM

4. If a 4-Mbyte RAM SIMM is already installed in the RAM SIMM connector J20, it must be removed. You can identify a 4-Mbyte RAM SIMM by the part number 671-1561-01 or 671-3574-00 printer on its underside. To remove the RAM SIMM, carefully spread the hook-like metal pawls securing each end of the SIMM into the connector.

5. Insert the 16-Mbyte RAM SIMM (part number 671-3133-00) in connector J20 (**a**), and tilt the module down until it locks in place (**b**).

6. When properly inserted, a tab on each end of the connector slips into a hole on each end of the RAM SIMM. Also, a pawl on each end of the connector latches around each end of the RAM SIMM to lock it in place.
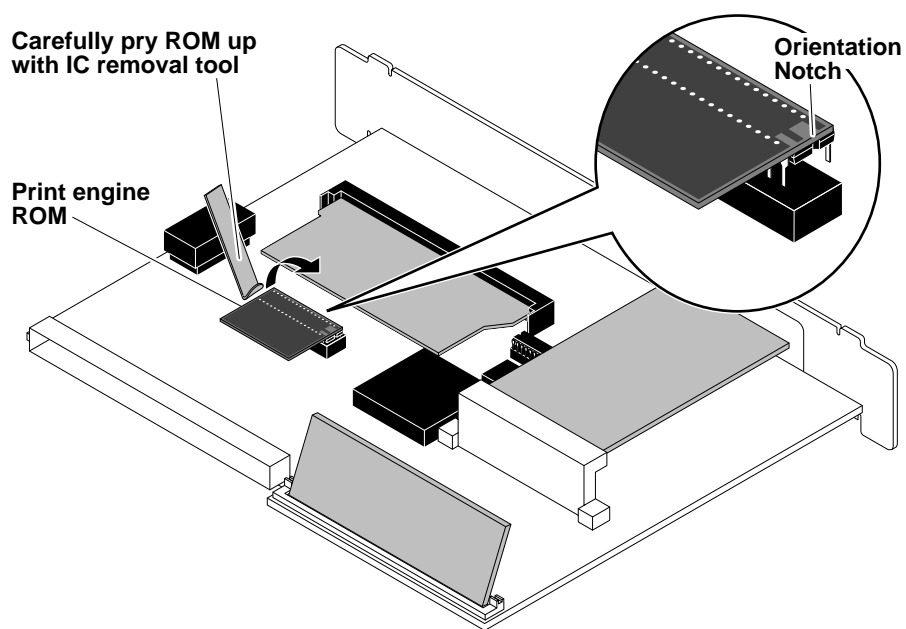
Main board

RAM SIMM

a

b

9100-64

4

Replacing the print engine ROM

7. Locate the print engine ROM.

Note *Some products may use a standard ROM IC chip while others may use an adaptor circuit board. Either part type can be substituted for the other on this main board.*

8. Insert the IC removal tool between the ROM (or adaptor board ROM) and the socket. *GENTLY* remove the old part by prying upward, being careful to not damage the main board. When the near end of the part begins to lift from the socket, gently lift the other end of the part with your fingers to prevent damage to the ROM's pins.

Carefully pry ROM up with IC removal tool

Print engine ROM

Orientation Notch

Z340-1-01

9. Install the new engine ROM (it can be identified by the number 163-0822-00 or 671-3938-00 printed on it). Check for proper orientation and alignment of the pins; pin 1 should be oriented toward the network card end of the main board. Press the ROM firmly into its socket.

Note *Pin 1 end of the adaptor board is identified by the square pads on the upper surface of the board; alternately, the pin 1 end can be identified by the notch in the pin array on the bottom-side of the board.*

10. Reinstall the main board into the printer.

11. Reconnect the host interface cables. Turn on the printer and print the startup page; it indicates the amount of RAM and fonts installed in the printer. Refer to the *Phaser 350 User Manual* for details on printing the startup page.

12. To use the 52 additional fonts now in the printer, follow the instructions included on the CD-ROM shipped with this upgrade to install the fonts on your computer.