

Title:	Removing and Replacing the Supply Roll Plate
Gerber FastFact #:	4274
Supplied By:	Gerber Hardware Support
Last Modified:	7/3/02
Summary:	This document explains the procedure of removing and replacing the supply roll plate for the Edge LE and Edge2 Models

Removing and Replacing the Supply Roll Plate for Edge LE and Edge2 Models

WARNING: To avoid electric shock, turn off the Edge and disconnect the power cord.

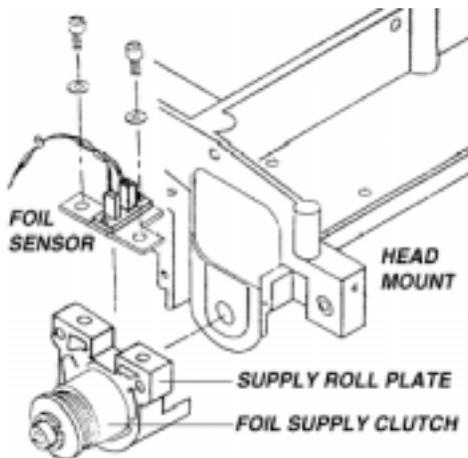


Fig. 1

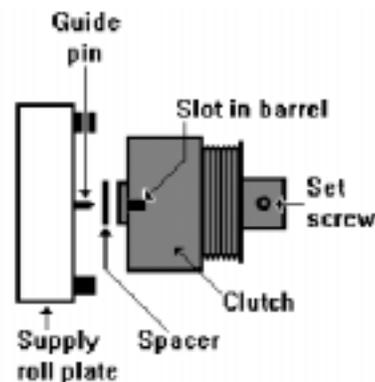


Fig. 2

Indicators of a possible Supply Roll Plate problem:

- Excessive foil wrinkling.
- Installed foil is no longer tight to the printhead after a job has printed.
- Foil sticks to the vinyl when the cover is raised.
- 'Lines' in the print due to foil sticking to the vinyl.

Tools Needed: Individual 2mm, 2.5mm & 3mm ball end, L shaped/right angled metric allen wrenches.

1. Remove the top cover. Use a 2.5mm allen wrench to remove the (4) screws securing the top cover.
2. Remove the foil sensor/bracket assembly from the back of the supply roll plate (Fig. 1) by using a 3mm allen wrench to remove the (2) screws and washers. DO NOT let the allen screws and small washers fall into the Edge.

NOTE: A 3mm ball end allen wrench works best for removing the right side foil sensor/bracket screw.

DO NOT cut the plastic tie wrap securing the sensor wire to the frame.

3. Loosen the supply clutch set screw (Fig.2) by using a 2mm allen wrench. Slide or tap the drive pin through the supply clutch just enough to remove the supply clutch and spacer from the front of the supply roll plate (and the body of the clutch clears the head frame mount).
4. Remove the supply roll plate by using a 3mm allen wrench to loosen/remove the (2) allen screws and washers from the supply roll plate. DO NOT let the allen screws and the small washers fall into the Edge.

NOTE: If the slotted sensor disk falls off or comes out with the supply roll plate, reinstall sensor disk with the long center hub of disk facing into the Edge and the shorter center hub of disk facing outward. Align the flat spot in the hole of the sensor disk with the long flat spot of the drive pin and slide the sensor disk onto the drive pin.

5. Remove the (silver) sealed ball bearing from the center of the old supply roll plate.
The sealed ball bearing has not been glued or pressed into the fitting. Although the fit may be snug, removal of the sealed ball bearing should be easily accomplished with the tip of a finger or with a flat faced object (such as a nut driver tool).

To avoid damaging the sealed ball bearing:

DO NOT use a sharp, pointed tool.

DO NOT pry the bearing from the fitting.

NOTE: If the sealed ball bearing has been damaged or can't be removed from the old supply roll plate, a new sealed ball bearing will need to be ordered.

Install the sealed ball bearing into the new supply roll plate fitting. There is no 'front' or 'back' side to the sealed ball bearing.

-
6. Install the new supply roll plate over the drive pin and sensor disk, then secure the (2) allen screws and washers using a 3mm allen wrench.
 7. Install spacer and supply clutch on the drive pin, pushing the drive pin completely through the supply clutch (and as far through the bearing in the frame as possible). Make certain that the guide pin on the supply roll plate goes in the slot in the barrel of the clutch and that the spacer is against the supply roll plate and the clutch touches the spacer (Fig. 2).
 8. Rotate the drive pin so that the short, recessed flat spot on the drive pin is even with the set screw, then tighten the clutch set screw on the flat of the shaft using a 2mm allen wrench.
 9. Install foil sensor/bracket assembly on the back of the supply roll plate with the wide center of the 'T' shaped bracket facing into the Edge (Fig. 1), then secure the (2) allen screws and washers using a 3mm allen wrench.

NOTE: Installed properly, the 2 black tabs of the opti-sensor will be on either side of the sensor disk.

10. Install top cover and secure the (4) allen screws using a 2.5mm allen wrench, reconnect power cord and turn on the Edge.