

Procedure 5: Hammer Bank Removal



The Hammer Driver CBA has components which are static sensitive! Use the appropriate ESD grounding procedures when handling the Hammer Bank Assembly.

- Step 1. Remove the Ribbon Platform (See Procedure 1), and open the Platen Gap lever.
- Step 2. Remove the Control Panel (See Procedure 4).
- Step 3. Remove the two screws holding the plastic cable cage assembly in the top middle of the Hammer Bank. Remove the cage and the white cable lifter.

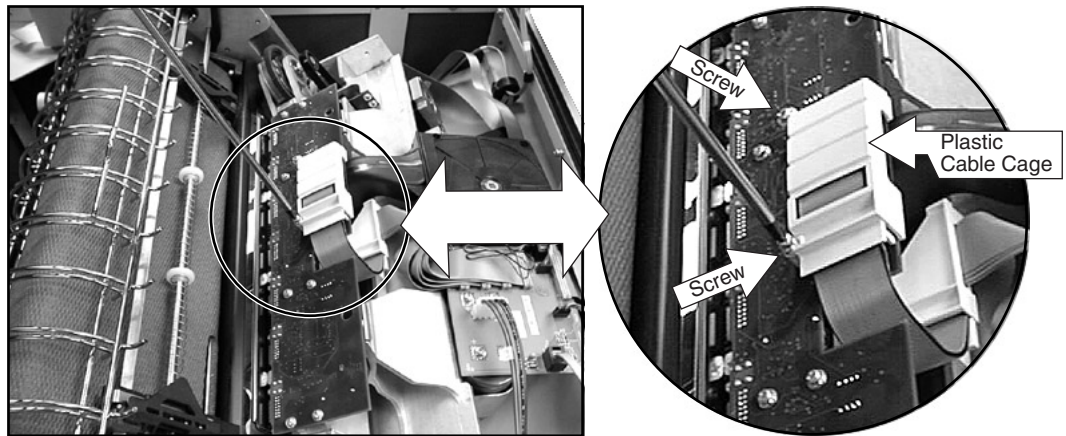


Figure 8. Removing plastic cable cage.

- Step 4. Unplug the now-exposed Hammer Bank ribbon cables.

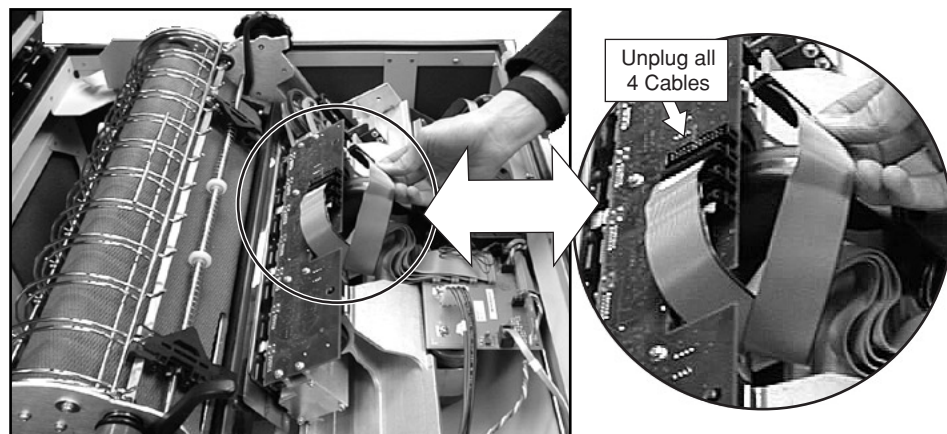


Figure 9. Unplugging Hammer Bank ribbon cables.

Chapter 4: Removing and Replacing Components

- Step 5. Slide the Shuttle Drive Belt from the pulley on the right side of the Hammer Bank.
- Step 6. Remove two screws securing the retainer clips at the front (toward you) of the Hammer Bank. To do this, use the access holes in the Hammer Driver CBA. Lift out the retainer clips.

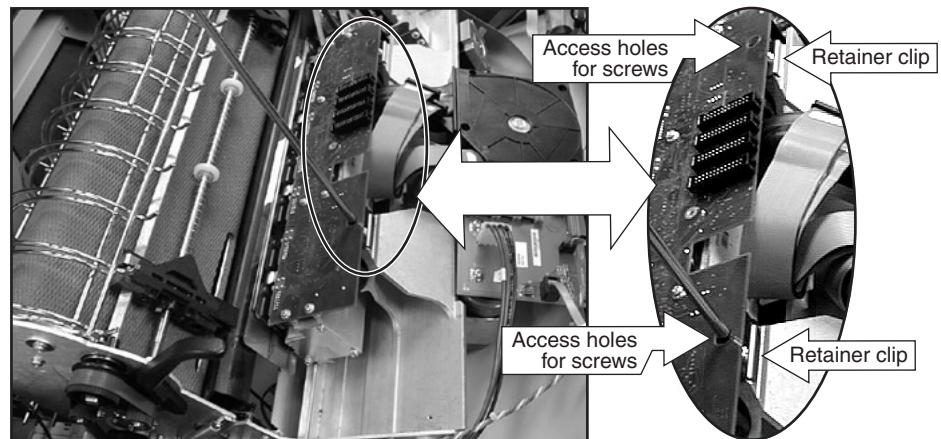


Figure 10. Removing screws on retainer clips.

- Step 7. Remove two KEPS nuts from underneath the Hammer Bank. Both are on your right, and accessible through the front door of the printer. Use an 11/32" nut driver.

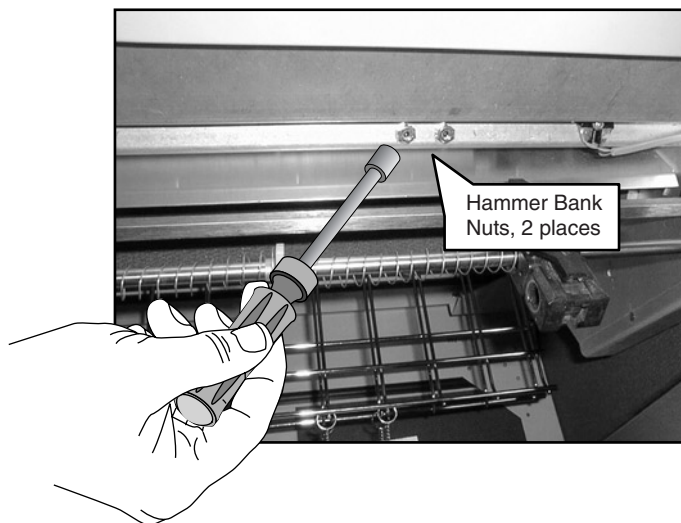


Figure 11. Removing nuts from underneath Hammer Bank (view is from inside front door of printer).

Step 6. Slide the upper left tractor as far to the left as it will go. Lift the Hammer Bank and shuttle out of the printer, being careful not to damage the ribbon shield.

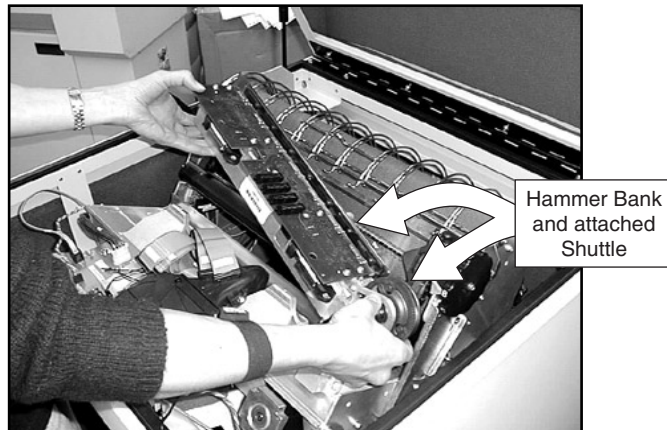


Figure 12. Lifting Hammer Bank from printer.



When reinstalling the Hammer Bank, install and tighten the retainer clips (Step 4), before installing and tightening the KEPS nuts (Step 5).



When reinstalling the Shuttle Drive belt (Step 3), press the belt against the lower shuttle motor pulley with one hand, and "roll" the belt onto the upper shuttle pulley.

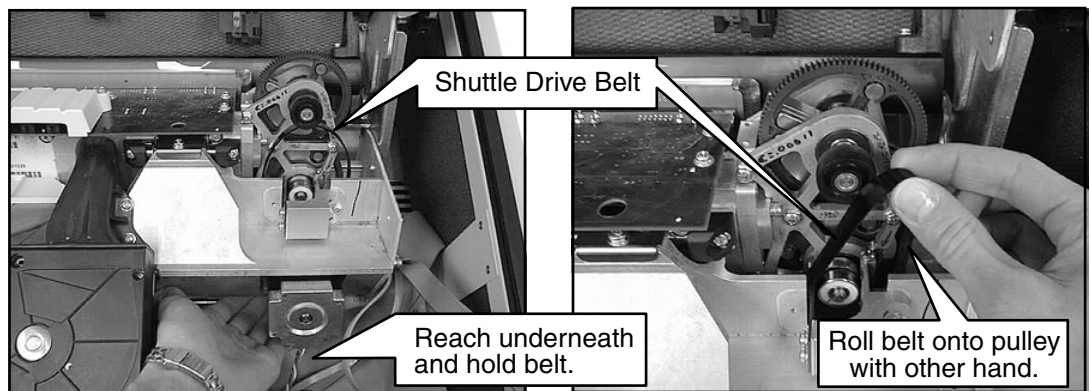


Figure 13. Replacing Shuttle Drive belt.

Procedure 6: Ribbon Shield Removal

- Step 1. Remove the Hammer Bank (see Procedure 5).
- Step 2. Remove the three screws and lift the Ribbon Shield from the Hammer Bank.

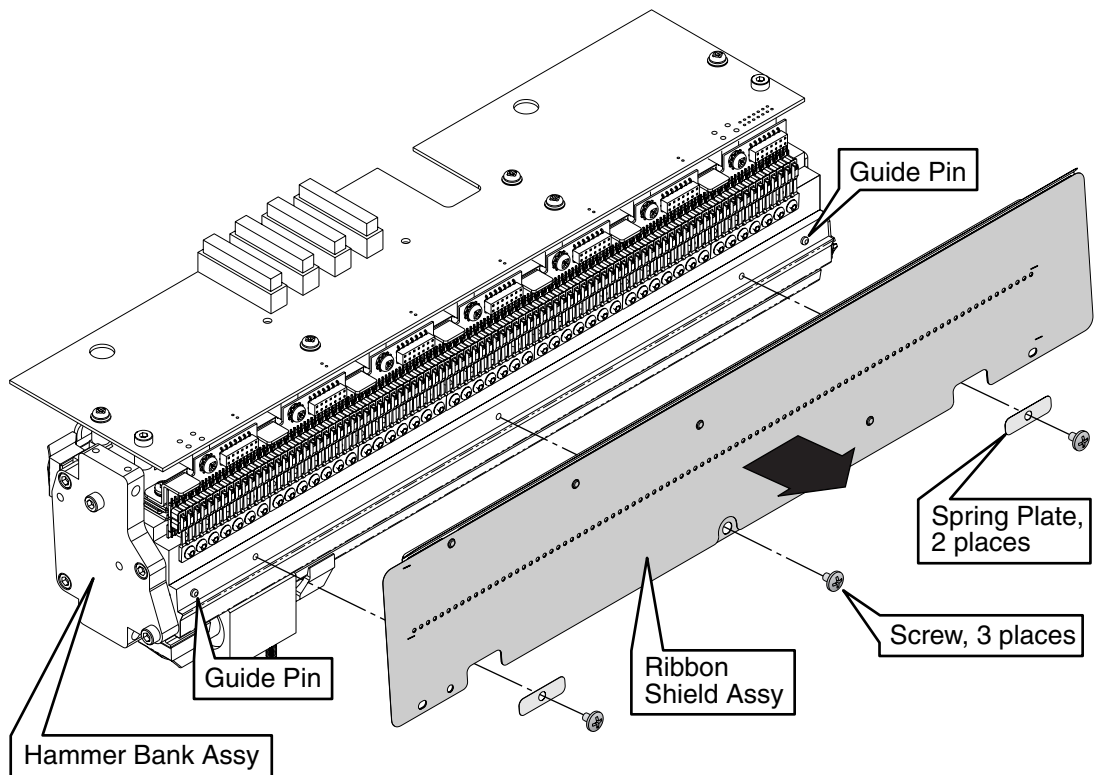


Figure 14. Removing the Ribbon Shield.



When reinstalling the Ribbon Shield, make certain that the shield is seated over the two guide pins before tightening screws.

Procedure 7. 13-pack Hammer Replacement

- Step 1. Remove the Hammer Bank assembly from the printer (see Procedure 5).
- Step 2. Remove the Ribbon Shield (see Procedure 6).
- Step 3. Using your Torx tool, remove the hammer mounting screws.
- Step 4. Remove the hammer by sliding it forward until it can be lifted.
- Step 5. Measure the defective hammer pack to determine proper replacement size. To do this, insert the old hammer into each of the slots on the Hammer Alignment tool. Use this guide to determine correct replacement part:

If the defective hammer pack does not fit into either slot A or B, use Spares Kit #083686 (High).

If the defective hammer pack fits into slot A, but not B, use Spares Kit #083758 (Medium).

If the defective hammer pack fits into both slots A and B, use Spares Kit #083759.



"Fit" means that the hammer pack easily slides all the way into the slot.

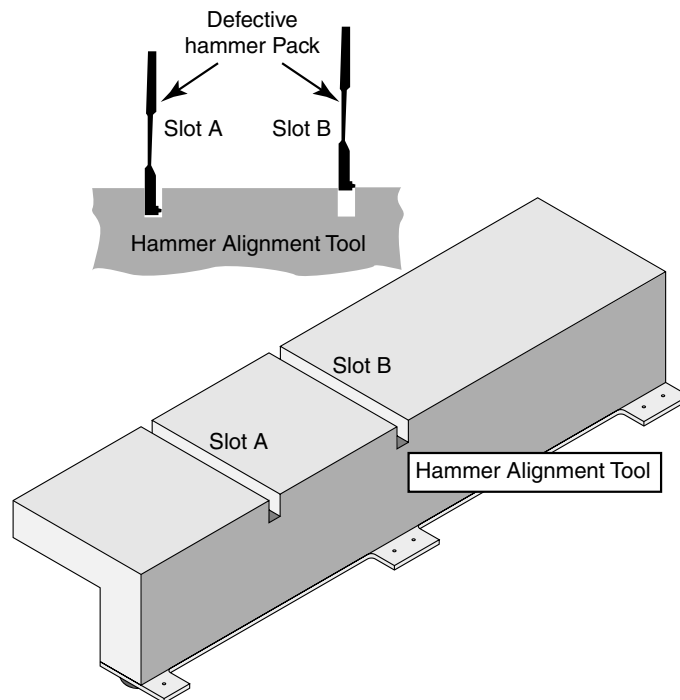


Figure 15. Measuring old hammer for replacement size

Chapter 4: Removing and Replacing Components

- Step 6. Place the new hammer pack in position on the bank and replace screws, but do not tighten.
- Step 7. Use the Hammer Alignment tool to align the impact elements of the new hammer (holes 2 and 3) with the impact elements of the neighboring hammers (holes 1, 4, and 5). Wiggle the tool slightly until it snaps onto the impact elements. See Figure 16.

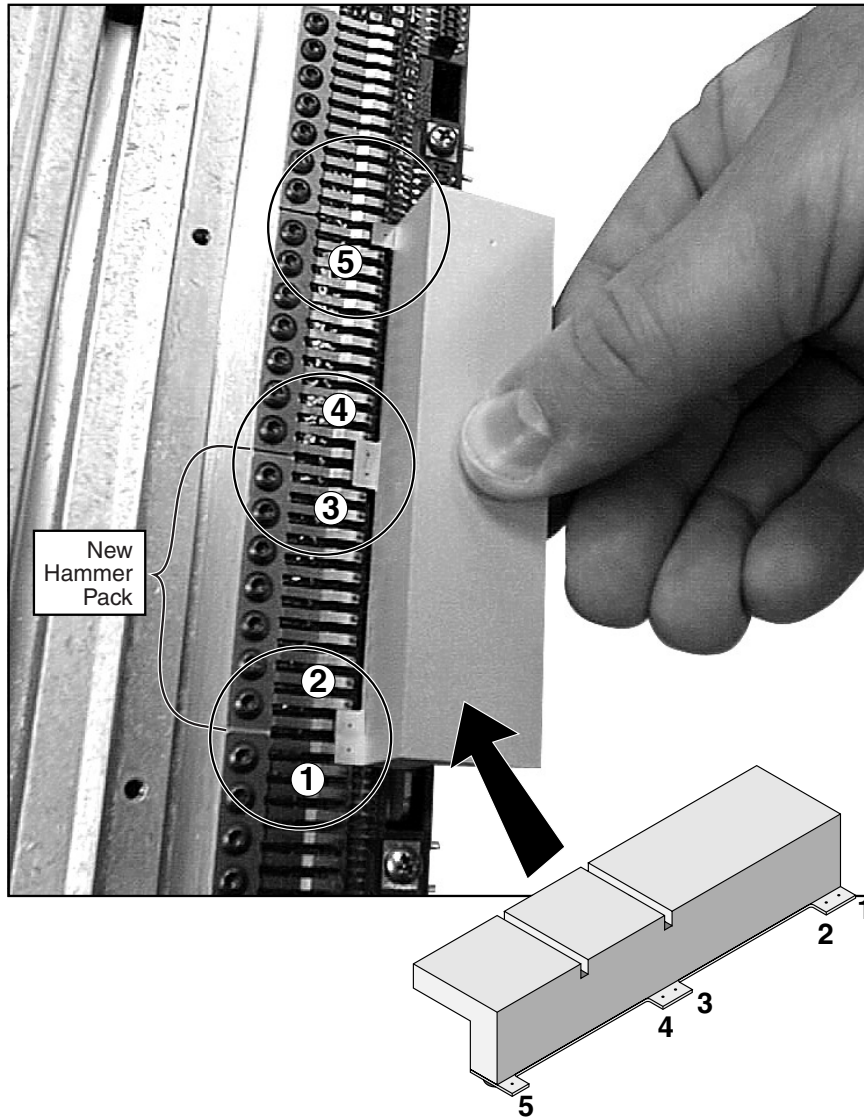


Figure 16. Aligning the new hammer pack.

- Step 8. With the hammer alignment tool holding the hammer in place, tighten the hammer mounting screws.
- Step 9. Replace the Ribbon Shield.
- Step 10. Replace the Hammer Bank.

Procedure 8: Coil Board Replacement

- Step 1. Follow steps 1-4 of the 13-pack Hammer replacement procedure (see Procedure 7).
- Step 2. Remove the coil board mounting screw.
- Step 3. Lift the coil board from the carriage. To do this, you may need to gently pry it with a tool.
- Step 4. Press the replacement coil board onto the carriage. Make sure that each bobbin is fully seated. The coil posts should stick slightly above the tops of the bobbins.
- Step 5. Replace the coil board mounting screw.
- Step 6. Follow steps 6-10 of Procedure 7.

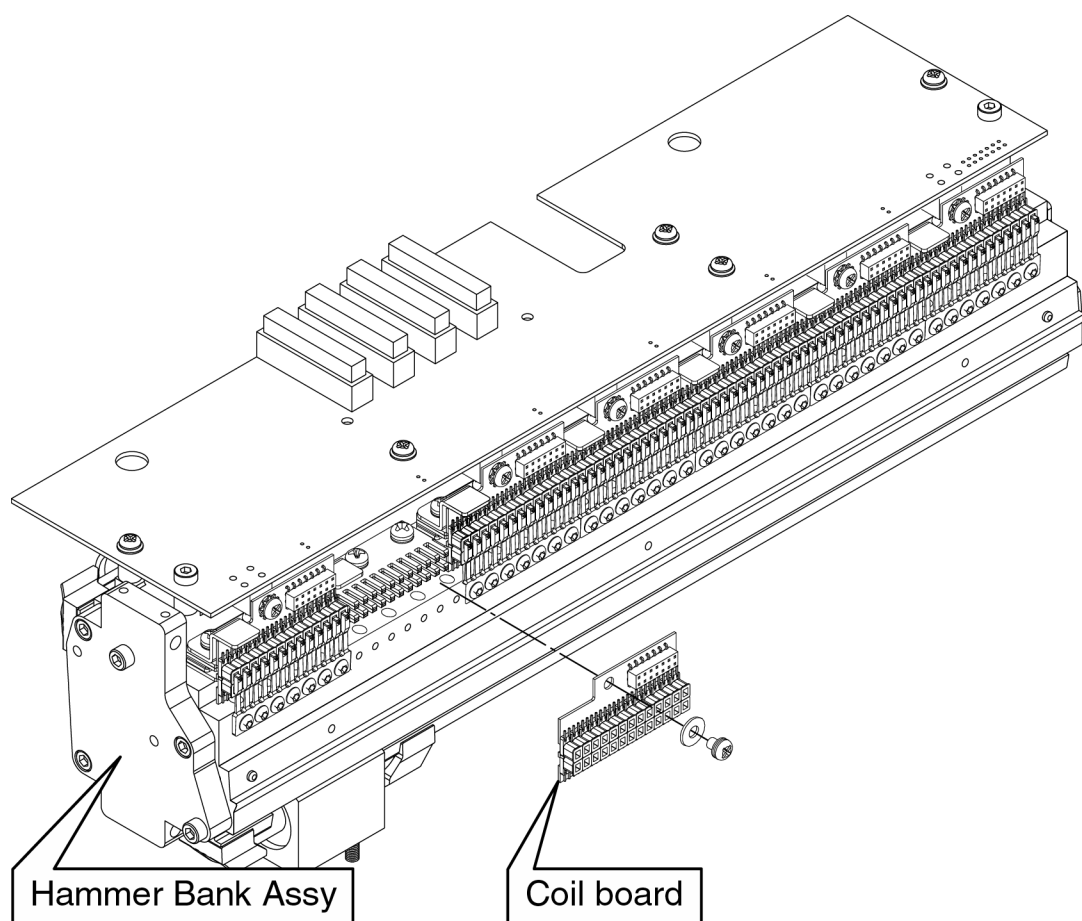


Figure 17. Coil board replacement.

Procedure 9: Shuttle Removal

- Step 1. Remove the Ribbon Platform (see Procedure 1).
- Step 2. Remove the Hammer Bank (see Procedure 5).
- Step 3. Remove the two screws which hold the shuttle frame to the Hammer Bank.

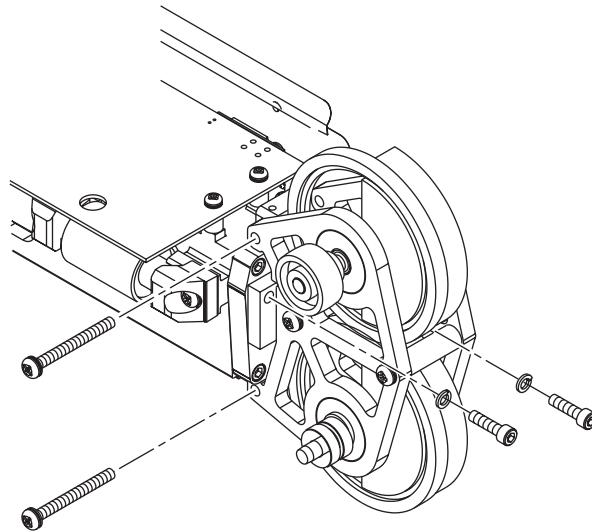


Figure 18. Removing Shuttle screws.

- Step 4. Remove two screws (9/64" Allen) through the center of the shuttle and to the outside edge of the shuttle, then lift the shuttle from the Hammer Bank.

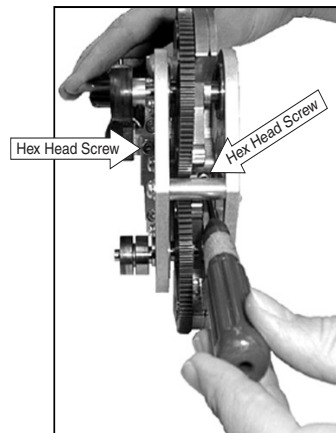


Figure 19. Removing screws from inside shuttle.



When reinstalling the Shuttle to the Hammer Bank, start all four screws until they are snug, but do not tighten. Tighten the two Allen screws first.