

JOURNEY SOLENOID REPLACEMENT INSTRUCTIONS

Tools Required:

No.1 and No.2 Phillips screwdrivers
 (2) Needlenose pliers and Wire Cutters
 Wrist strap (or similar device) for ESD grounding

Solenoid Replacement:

1. Verify that all replacement parts and tools are present.
2. Turn off the power switch, unplug the AC power cord, and disconnect all communication and interface cables.
3. Unlock and remove the Bin 1 Access Cover by rotating the cover to the 11 O'clock position and lifting it up and off. Remove eight #8-32 Phillips screws and the Service Cover from the mechanical frame.
4. **IMPORTANT: Properly ground yourself using an ESD wrist strap (or similar device) to prevent static discharge damage to the electronics.**
5. Unplug the J32, J33 and J35 connectors from the Main Controller Board. **Note: If you have a Journey II unit, cut the cable tie holding the ferrite (not shown) to the Solenoid Body.**
6. Remove (2) #10 screws (Figure 1) and the Solenoid Body (rotate the Solenoid Body downward and away from the mounting bracket to remove).
7. With pliers, remove the Cotter Pin from the Clevis Pin. Slide out the Clevis Pin from the Arm and Solenoid Plunger assembly and discard the Plunger (Figure 2). Assemble the Clevis Pin through the Arm and the New Solenoid Plunger and secure it with the new Cotter Pin provided (using the same Cotter Pin hole). **IMPORTANT: Bend and loop each exposed Cotter Pin end against the Clevis Pin body to prevent any damaged to the Bumper.**
8. **IMPORTANT: Assemble the spring onto the Plunger so that the Large Diameter End of the Spring will touch the Solenoid Body.** Install the New Plunger into the New Solenoid Body and secure the solenoid with (2) #10 screws.
9. **Note: If you have a Journey II unit, use the cable tie to reattach the ferrite (not shown) back to the Solenoid Body.**
10. Plug connections (see step 5) into the corresponding board locations and reassemble all parts previously removed in reverse order, then close and lock the Bin 1 Access Cover.

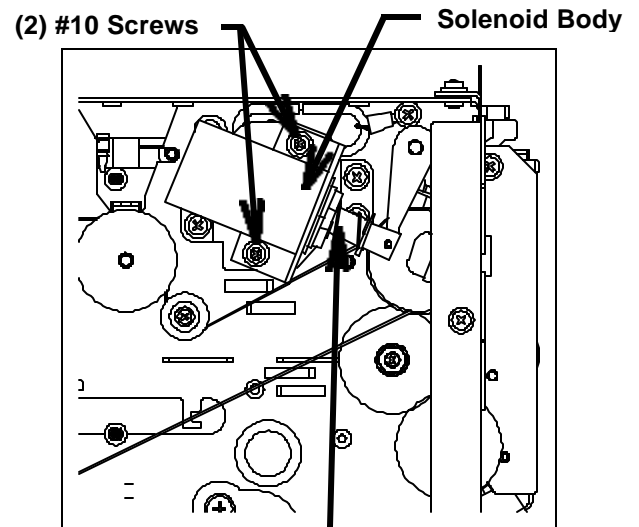


Figure 1

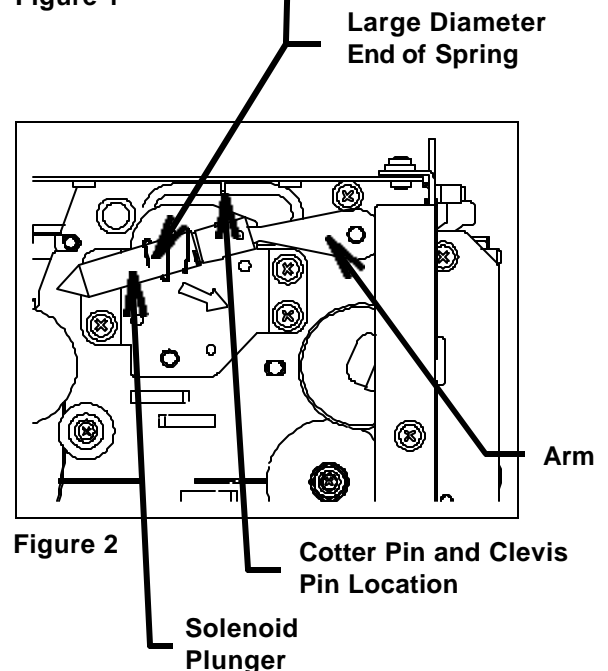


Figure 2

11. Reconnect all communication and interface cables, plug in the AC power cord and turn on the power switch.
12. Verify proper functionality by printing a test coupon (*refer to the Operations and/or Maintenance Manuals if you need additional information*).