



PG7601™ Engage Solenoid Assembly Removal and Replacement Instruction Sheet

- 1 Remove the drive plate assembly.



Figure 1

- 2 Disconnect engage solenoid wire from vacuum plate wall. (Attach method may be different from attach method in picture.)



Figure 2

- 3 Disconnect engage solenoid wire connector from circuit board.

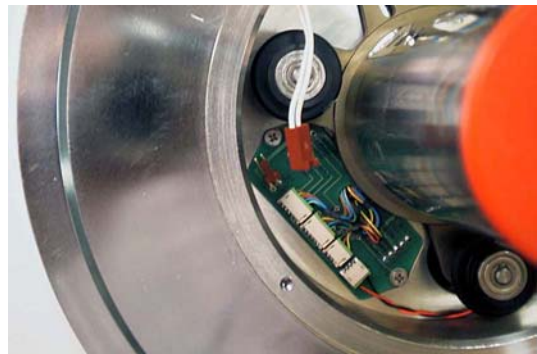


Figure 3

- 4 Remove the fasteners attaching bottom cover.



Figure 4

- 5 Open up PG base and disconnect the wire connectors from the circuit board.

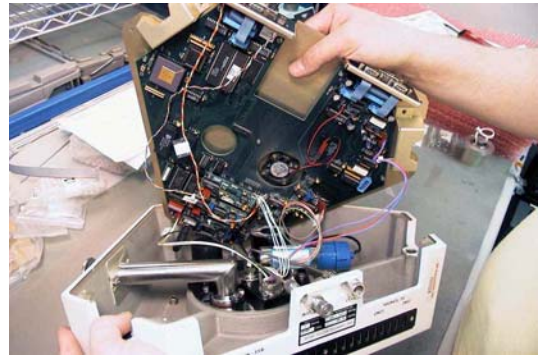


Figure 5

- 6 Remove the circuit board and cover plate.

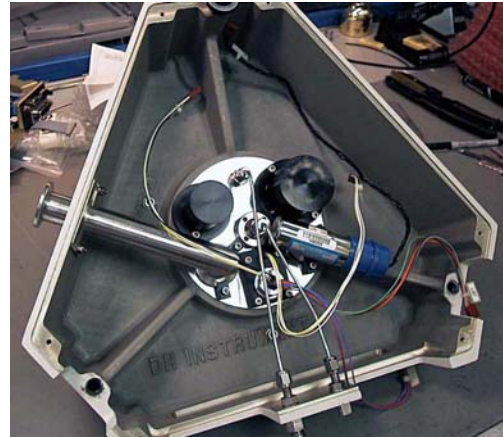


Figure 6

- 7 Remove the fasteners attaching the engage solenoid and remove the engage solenoid assembly including the existing sealing ring and o-ring. Set aside to return to DHI.

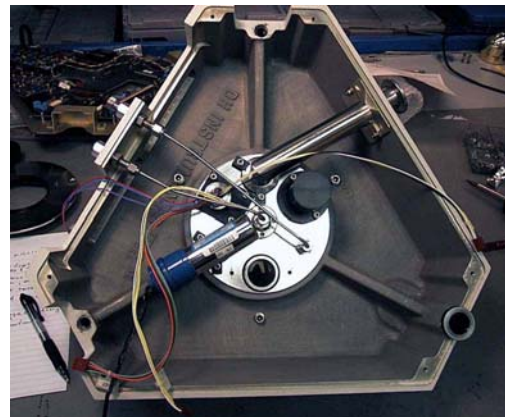


Figure 7

- 8 Place the new sealing ring and o-ring in the engage solenoid location in the vacuum plate. Align the engage plate (the gray colored mechanism that tensions the drive plates) as shown through the hole in the vacuum plate.

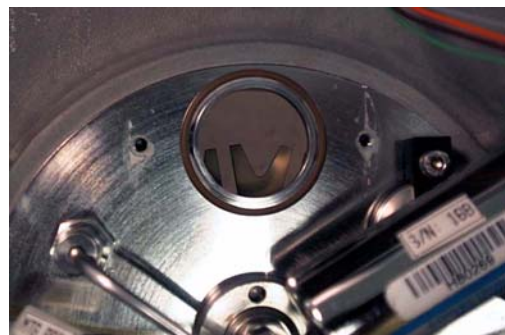


Figure 8

- 9 Prepare the new engage solenoid assembly by orienting the wires as shown.



Figure 9

- 10 Orient the wires as shown.

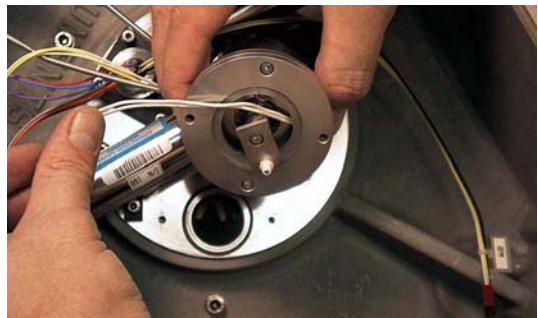


Figure 10

- 11 Install the engage solenoid as shown in Figure 11, 12, 13, and 14. The pin and bushing on the engage solenoid arm should engage the engage plate as shown in Figure 16 and 17, when installed correctly.

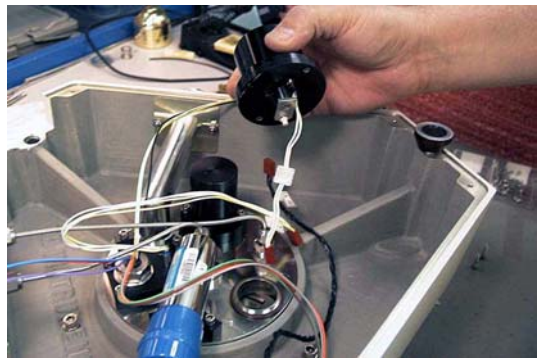


Figure 11

- 12 Installing the engage solenoid.



Figure 12

- 13 Installing the engage solenoid.

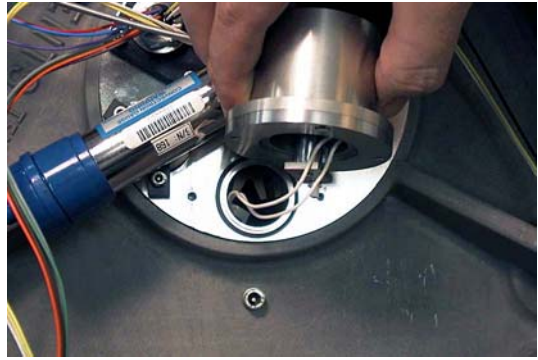


Figure 13

- 14 Installing the engage solenoid.

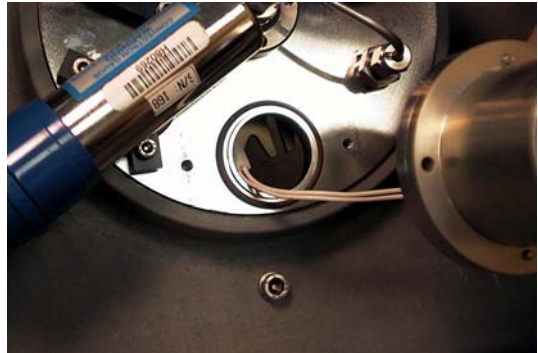


Figure 14

- 15 Re-install fasteners attaching the engage solenoid.



Figure 15

- 16 After installation the engage solenoid arm and bushing should be oriented as shown in Figure 16 and 17.



Figure 16

- 17 Connect the wire connector to the circuit board. Route wires out of the way of the engage solenoid arm and reattach to the side of the vacuum plate, as shown in Figure 2.

Reconnect the wire connectors to the circuit board and install the circuit board and cover plate. Replace the fasteners and lock washers and tighten.

Connect the PG to the terminal and power. Turn on the PG.



Figure 17



Figure 18

- 18 Keep all hands and tools clear of engage mechanism. Actuate the rotation function of the PG. The engage solenoid arm and engage plate should actuate and rotate to the position shown in Figure 19. The engage solenoid arm should not touch or rub against the wire during actuation. Verify that the wires do not contact the engage solenoid arm. Deactivate the rotate function. The engage solenoid arm and engage plate should return to the original position shown in Figure 17.

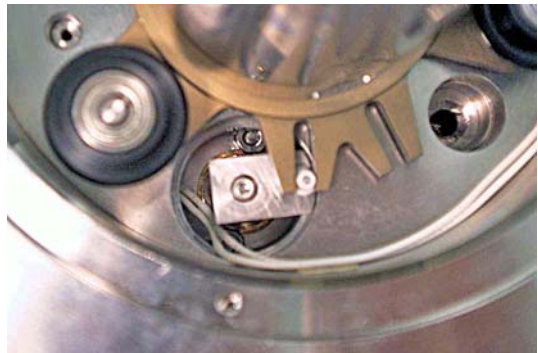


Figure 19

After verifying correct operation replace the drive plate assembly and secure with fasteners removed during Figure 1.