

DMV Series Coil Replacement Instructions

ATTENTION

- Read these instructions carefully.
- Failure to follow them and/or improper installation may cause explosion, property damage and injuries.
- Installation must be done with the supervision of a licensed burner technician.
- The system must meet all applicable national and local code requirements.
- Check the ratings in the specifications to make sure that it is suitable for your application.
- Never perform work if gas pressure or power is applied, or in the presence of an open flame.
- Once installed, perform a complete checkout including leak testing.
- Verify proper operation after servicing.

PROCEDURE

1. Disconnect all power to prevent electrical shock and equipment damage.
2. Close the upstream manual shut off valve.
3. Remove DIN electrical connector.
4. Remove blue paint from the countersunk screw on the hydraulic brake unit (DMV-DLE series) or black adjustment knob (DMV-D series). (fig. 1)
5. Remove the pan head screw on the hydraulic brake unit (DMV-DLE series) or black adjustment knob (DMV-D series). (fig. 1)
6. Lift off the hydraulic brake unit or black adjustment knob.
7. Remove washer.
8. Remove solenoid by pulling directly up. Note solenoid # and voltage.
9. Verify the replacement coil has the same coil # and electrical rating. Install replacement coil.
10. Replace washer.
11. Check the o-rings (clean if necessary) on the hydraulic brake unit or black adjustment knob.
12. Remount the hydraulic brake unit or black adjustment knob. **During mounting, take care not to damage the o-rings on the shaft of the hydraulic brake on DMV-DLE models and the adjustment knob on DMV-D models.**
13. Install and secure screws to the hydraulic brake unit or black adjustment knob. Take care not to overtighten. (fig. 1)
14. With the gas pressure applied and valve #1 energized or with both valve energized, perform an external leakage test: Apply liquid leak detector around the gap between the hydraulic brake unit or black adjustment knob, the valve body and the solenoid.
15. If bubbles form, remove hydraulic brake unit or black adjustment knob. Check and clean o-rings. (If o-rings are damaged contact Karl Dungs, Inc. for a replacement hydraulic brake or black adjustment cap.) Inspect the bore in the cylinder shaft. Make sure it does not contain any debris or burrs. Make sure no dirt can come into the valve system. Remount the hydraulic brake unit or black adjustment knob. Perform leakage test again. If the valve still leaks contact Karl Dungs, Inc.
16. If no leak is detected, connect the DIN electrical connector.
18. Perform a complete function test: apply power to the valve, make sure both valves open and close properly.
19. If the valve does not operate properly, contact Karl Dungs, Inc. for technical help or replacement.

