

## MV-D(LE)/6 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 junction box cover.
4. Remove power leads (N/Mp, Ground, and L/P) from junction box. (fig. 1)
5. Remove blue paint from the countersunk screw on the hydraulic brake unit (MV-DLE series) or black adjustment knob (MV-D series). (fig. 2)
6. Lift off the hydraulic brake unit (MVDLE series) or black adjustment knob (MVD series).
7. Remove washer.
8. Remove solenoid by pulling directly up. Note solenoid # and voltage.
9. Verify the replacement solenoid has the same solenoid # and electrical rating. Install replacement solenoid.
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. Take care not to damage the O-rings.
13. Install and secure screws to the hydraulic brake unit or black adjustment knob. Take care not to overtighten. (fig. 2)
14. Perform 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 valve leaks 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. If the valve still leaks contact Karl Dungs Inc.
16. If no leak is detected, reroute power leads into junction box and reconnect terminals (N/Mp, Ground, and L/P). (fig. 1)
17. Secure junction box cover. Make sure that the seal fits correctly.
18. Perform a complete function test: apply power to the valve, make sure it opens and closes properly.
19. If the valve does not operate properly, contact Karl Dungs Inc for technical help or replacement.

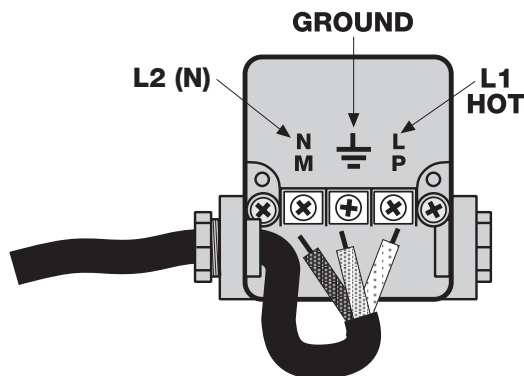


fig. 1

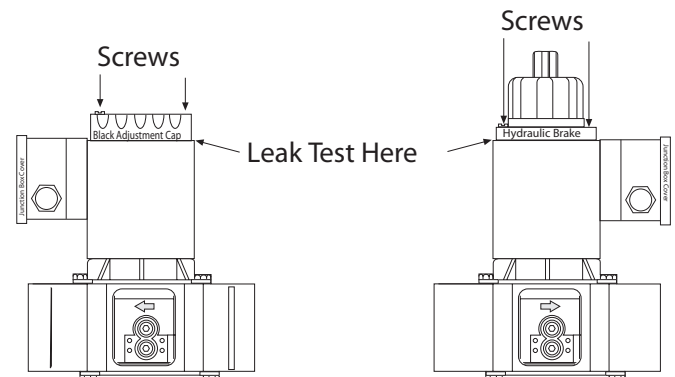


fig. 2