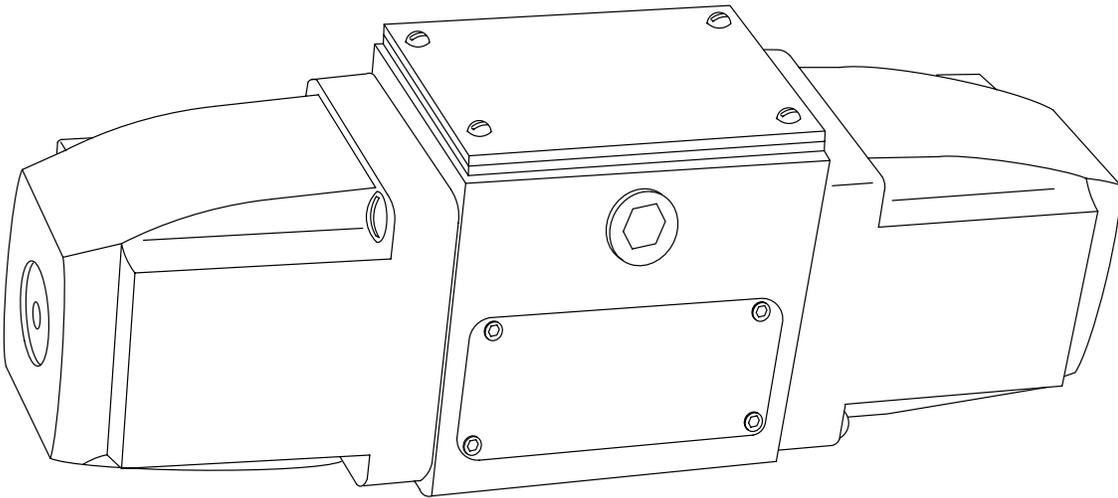


Directional Controls



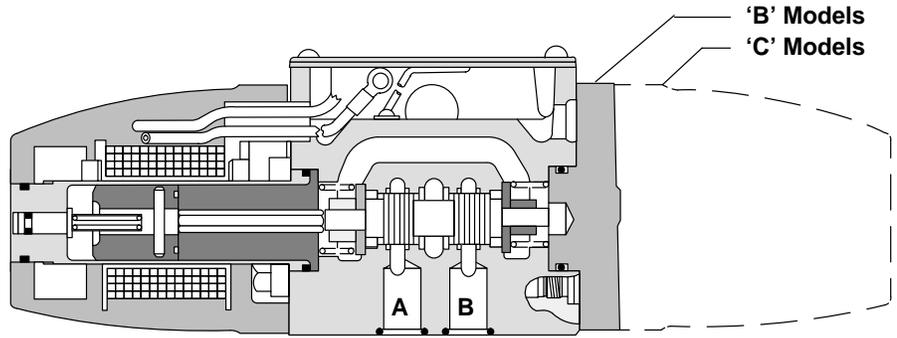
Wet Armature, Solenoid Operated, Directional Valves

DG4S4-01*(*)B/C-W3*-50





WARNING
Use this drawing for parts information only.



| Model | Spool | Diagram Plate | Spool Kit |
|----------------------|--------|---------------|-----------|
| DG4S4-010B/C-W-*-50 | 463385 | 290341 | 940711 |
| DG4S4-011B/C-W-*-50 | 463386 | 290342 | 940712 |
| DG4S4-012B/C-W-*-50 | 463387 | 290343 | 940713 |
| DG4S4-013B/C-W-*-50 | 463388 | 290344 | 940714 |
| DG4S4-016B/C-W-*-50 | 463389 | 290345 | 940715 |
| DG4S4-0168B/C-W-*-50 | | 577480 | ◆940714 |
| DG4S4-017B/C-W-*-50 | 463390 | 290346 | 940716 |
| DG4S4-0178B/C-W-*-50 | | 577482 | ◆940715 |
| DG4S4-018B/C-W-*-50 | 463391 | 290340 | 940717 |
| DG4S4-0133B/C-W-*-50 | 463392 | 577484 | 940718 |

Assemble type 1 spool with relieved land toward "A" port.
Assemble type 3 spool with narrow land toward "A" port.

Spool kit includes spool, diagram plate, seal kit and parts prefixed with a closed square symbol (■).

DG4S4-01*B/C-W-*-50

◆ A type "68" spool kit is the same as the type "6" except a different diagram plate is used and the "B" model solenoid is assembled on the opposite end of the valve. A type "68" pilot valve is required for a (C) spring centered two stage valve with "4" or "8" type main stage spools.

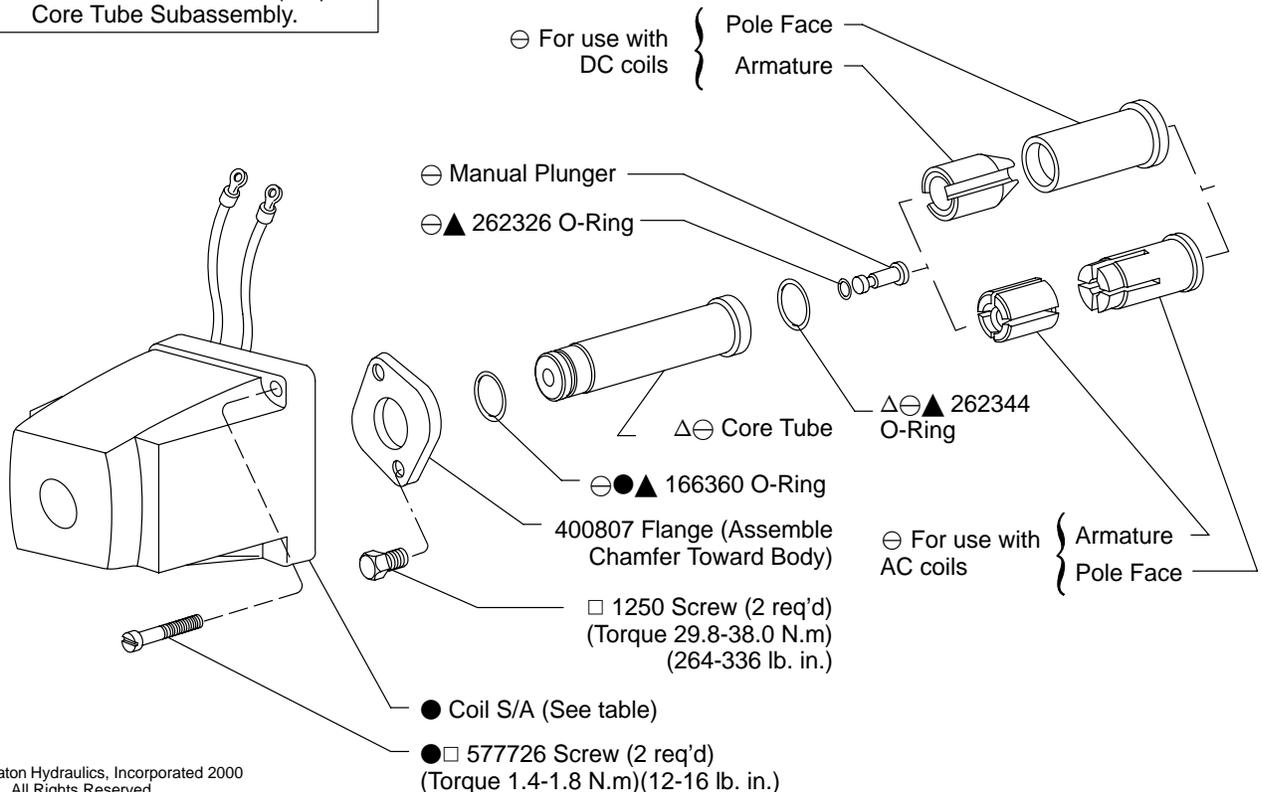
A type "78" spool kit is the same as the type "7" except a different diagram plate is used. A type "78" pilot valve is required for a (D) pressure centered two stage valve with "4" or "8" type main stage spools.

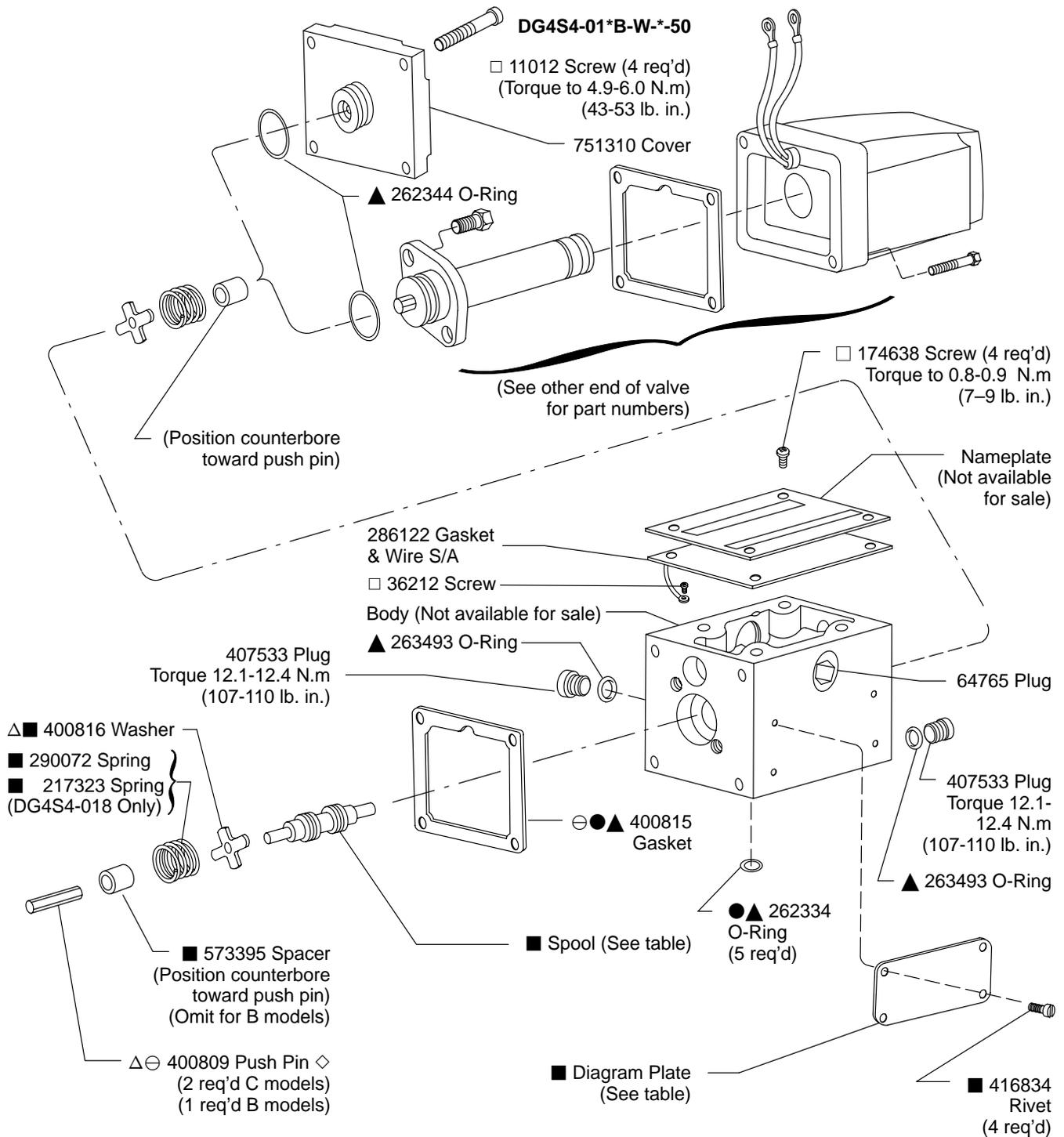
Note
Right hand assembly shown (B models). For left hand assembly all parts, except body, are reversed. Example of left hand model: DG4S4-012B-W-*-50-LH.

△ Assemble washer with sharp break edge toward outside of valve.

| Coil Type | "W" Non-Serviceable | "W3" Serviceable |
|-----------|---------------------|------------------|
| AC | △ 926593 | 941034 |
| DC | — | 941035 |

⊖ Included in serviceable (W3) Core Tube Subassembly.





Note
Part numbers prefixed with a symbol are available only as service kits.

◇ Suffix symbol pertains only to Vickers material control.

▲ Service all units W/F3 Seal Kit 920109

□ Included in Fastener Kit 942465

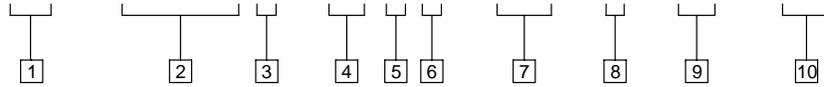
| ● Included in Coil Kit | | | | |
|------------------------|----------|------------------------|---------|-----------|
| ● Coil S/A | Coil Kit | AC Volt T/Hz | DC Volt | Coil Code |
| 400823 | 942466 | 110/50, 115/60, 120/60 | | B |
| 400824 | 942467 | 220/50, 230/60 | | D |
| 400825 | 942468 | 440/50, 460/60 | | M |
| 400826 | 942469 | | 12 | G |
| 400827 | 942470 | | 24 | H |
| 435755 | 941017 | 127/50 | | EG |
| 582214 | 941109 | | 250 | X |
| 730273 | 926461 | | 48 | J |



*** CAUTION**
Correct armature and pole face must be used for AC and DC operation

Model Code

(F3) - DG4S4 * - 01 * * - W3 - * - 50 - (LH)



1 Seal Material

F3 - Seals for mineral oil and fire resistant fluids

2 Model Series

DG3S4 - Directional valve, subplate or manifold mounted, solenoid operated, sliding spool, 4 way flow direction

3 Solenoid Indicator Lights

L - Light
Omitted - None

4 Series

5 Spool Type

6 Spring

B - Spring centered/one solenoid
C - Spring centered

7 Wet Armature Type

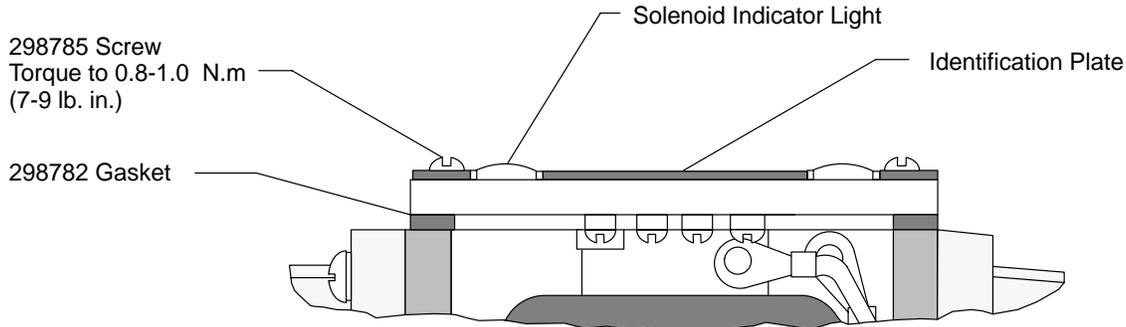
W - Non-serviceable core tube S/A
W3 - Serviceable core tube S/A

8 Coil Identification Letter

9 Design

**10 Left Hand Assembly
"B" Models Only**

For models with Solenoid Indicator Lights



| Solenoid Indicator Light Kit (Includes all parts identified) | |
|---|--------|
| Voltage Range | Kit |
| 100 thru 127 | 941615 |
| 192 thru 233 | 941617 |

Note
Refer to parts drawing I-3487-S for models with plug-in feature.

For satisfactory service life of these components use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFF, OFR, and OFRS series are recommended.