

Vickers®

# Directional Controls

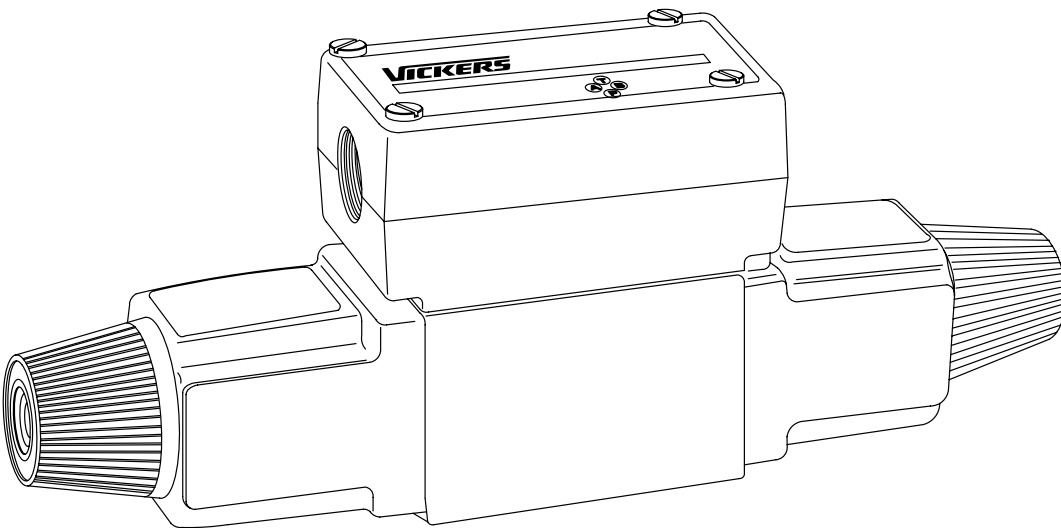
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Service Parts Information

## Solenoid Operated Directional Valve

DG4V-3-\*N-M(P\*\*)-\*\*-\*-40 Detented



**VICKERS**

Revised 5/1/87

I-3865-S

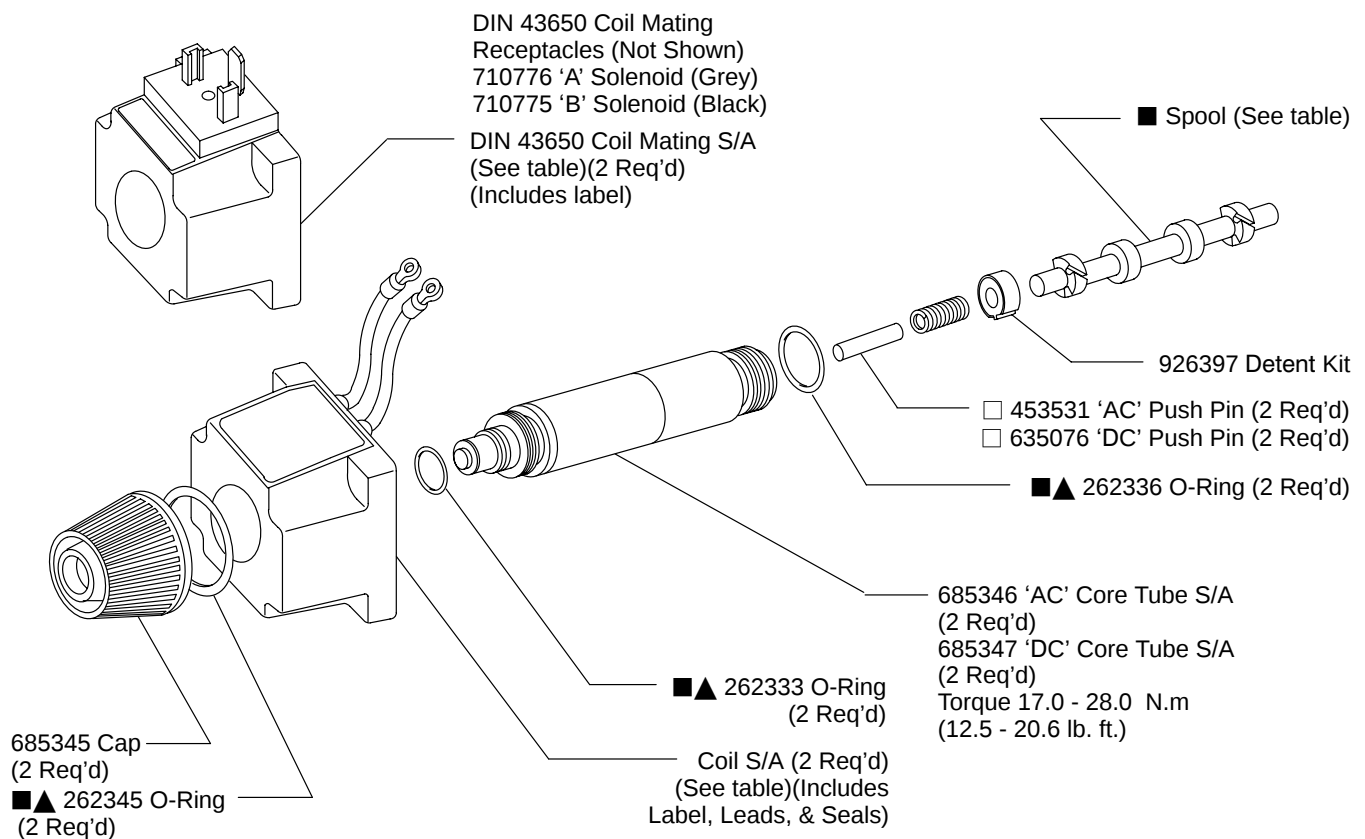
| DIN 43650<br>Coil S/A               | Coil<br>S/A | AC Volt Hz             | DC<br>Volt | Coil<br>Code |
|-------------------------------------|-------------|------------------------|------------|--------------|
| 635061                              | 633741      | 110/50, 115/60, 120/60 | —          | B            |
| 683312                              | 989721      | 110/50, 115/60, 120/60 |            | *B-9         |
| 635062                              | 633742      | 220/50, 230/60, 240/60 |            | D            |
| 683218                              | 989764      | 24/50, 24/60           |            | N            |
| 683310                              | 683053      | 100/50, 100/60         |            | T            |
| 681611                              | 681404      | _____                  | 32         | DK           |
| 681423                              | 989654      |                        | 12         | G            |
| 681610                              | 989656      |                        | 24         | H            |
| 682552                              | 682550      |                        | 48         | J            |
| *B–9 Reduced Power Consumption Coil |             |                        |            |              |

| Spool<br>Type                                           | Spool  | ■ Spool<br>Kit |
|---------------------------------------------------------|--------|----------------|
| 0N                                                      | 989598 | 926375         |
| 2N                                                      | 635340 | 926376         |
| 6N/68N                                                  | 989599 | 916277         |
| Spool kit also includes parts<br>prefixed with ■ and ▲. |        |                |

- A spool designation of 68N indicates valve is used as a pilot for two stage valves with a 4 or 8 type main stage spool. Refer to dwgs. J-682451 & J-685777 for correct nameplate.

Refer to I-3866-S for electrical features and options

Parts prefixed with symbols available only in kits



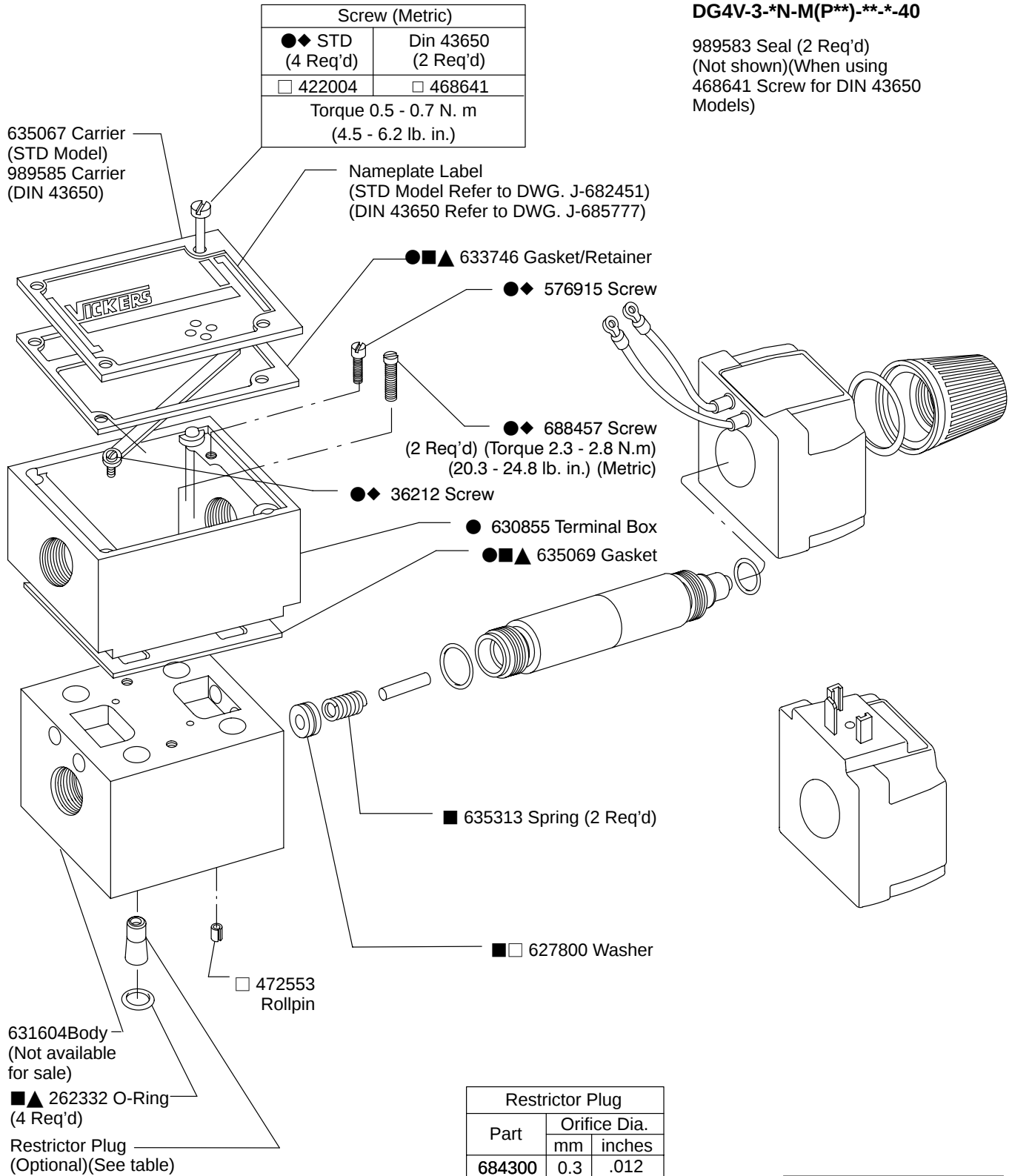
◆ Included in 926433 Fastener Kit

▲ Included in F3 Seal Kit 920304

● Omit When Using DIN 43650 Coils

# **DG4V-3-\*N-M(P\*\*)-\*\*-40**

989583 Seal (2 Req'd)  
(Not shown)(When using  
468641 Screw for DIN 43650  
Models)



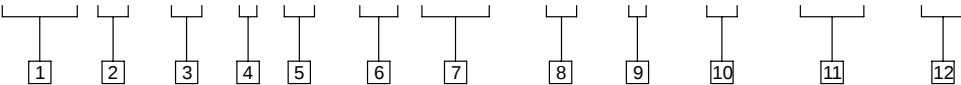
| Screw (Metric)                               |                        |
|----------------------------------------------|------------------------|
| ●◆ STD<br>(4 Req'd)                          | Din 43650<br>(2 Req'd) |
| □ 422004                                     | □ 468641               |
| Torque 0.5 - 0.7 N. m<br>(4.5 - 6.2 lb. in.) |                        |

| Restrictor Plug                     |              |        |
|-------------------------------------|--------------|--------|
| Part                                | Orifice Dia. |        |
|                                     | mm           | inches |
| 684300                              | 0.3          | .012   |
| 631892                              | 0.8          | .032   |
| 628733                              | 1.0          | .040   |
| 632937                              | 1.3          | .052   |
| 635281                              | 1.5          | .060   |
| 687072                              | 2.0          | .080   |
| 631931                              | 2.3          | .092   |
| 685482                              | 3.2          | .128   |
| 632936                              | Blank        |        |
| Use In Either<br>A, B, P, or T Port |              |        |

| □ Lot Kits<br>(25 pcs. only) |         |
|------------------------------|---------|
| Part No.                     | Kit No. |
| 422004                       | 944066  |
| 468641                       | 944012  |
| 635313                       | 944006  |
| 627800                       | 944001  |
| 472553                       | 944008  |
| 453531                       | 944002  |
| 635076                       | 944003  |

# Model Code

DG4 V - 3 - \* N - M (P\*\*) - \*\* - \* - (9) - (\*\*\*) - 40



**1 Model Series**

**DG4** - Directional valve, subplate or manifold mounted, solenoid operated

**2 Maximum Pressure Rating**

350 bar (5000 PSI)

**3 Interface**

NFPA-D01/ISO-4401-3

**4 Spool Type**

**5 Spring Offset**

**N** - No spring detented

**6 Flag Symbol Heading Electrical Features and Options**

**7 Electrical Features**

(Refer to Drawing I-3866-S)

**8 Coil**

**U** - DIN 43650 Coil  
**W** - Wiring Housing 1/2 NPT thd.  
**WL** - Wiring Housing 1/2 NPT thd.  
(with indicator light(s))

**9 Coil Code Letter**

(See table for Voltage and Frequency)

**10 Low Wattage Coil**

(B Coil only)

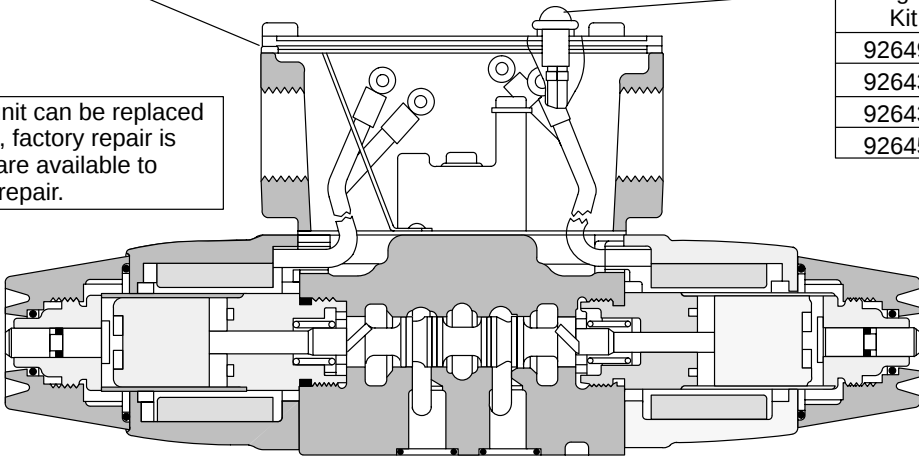
**11 Restrictor Plug (A, B, P or T Port)**

(See table for Orifice dia. sizes)

**12 Design**

635065 Carrier  
(for light)

As this complete unit can be replaced at a nominal cost, factory repair is not practical. Kits are available to support customer repair.



| Light Kit | Voltage Range |
|-----------|---------------|
| 926499    | 12V AC/DC     |
| 926431    | 24V AC/DC     |
| 926432    | 115V AC/DC    |
| 926458    | 230V AC/DC    |

Light Kits include two lights

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