

Service Data

Vickers®

# Directional Controls

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## Pilot Operated Directional Valve

DG3S4-04\*(\*)-(\*)-40



Revised 12-1-85

I-3549-S

### Spring Centered & No-Spring Models

Model	Spool	Diagram Plate
DG3S4-040*-*-40	399891	433852
DG3S4-042*-*-40	399892	433853
*DG3S4-043*-*-40	399393	433854
*DG3S4-044*-*-40	413481	433855
DG3S4-046*-*-40	399894	433856
*DG3S4-048*-*-40	399896	433855
●DG3S4-049*-*-40	413483	433852
*DG3S4-04333*-*-40	399897	433856

●Type 9 spool is not used on Spring Centered models.

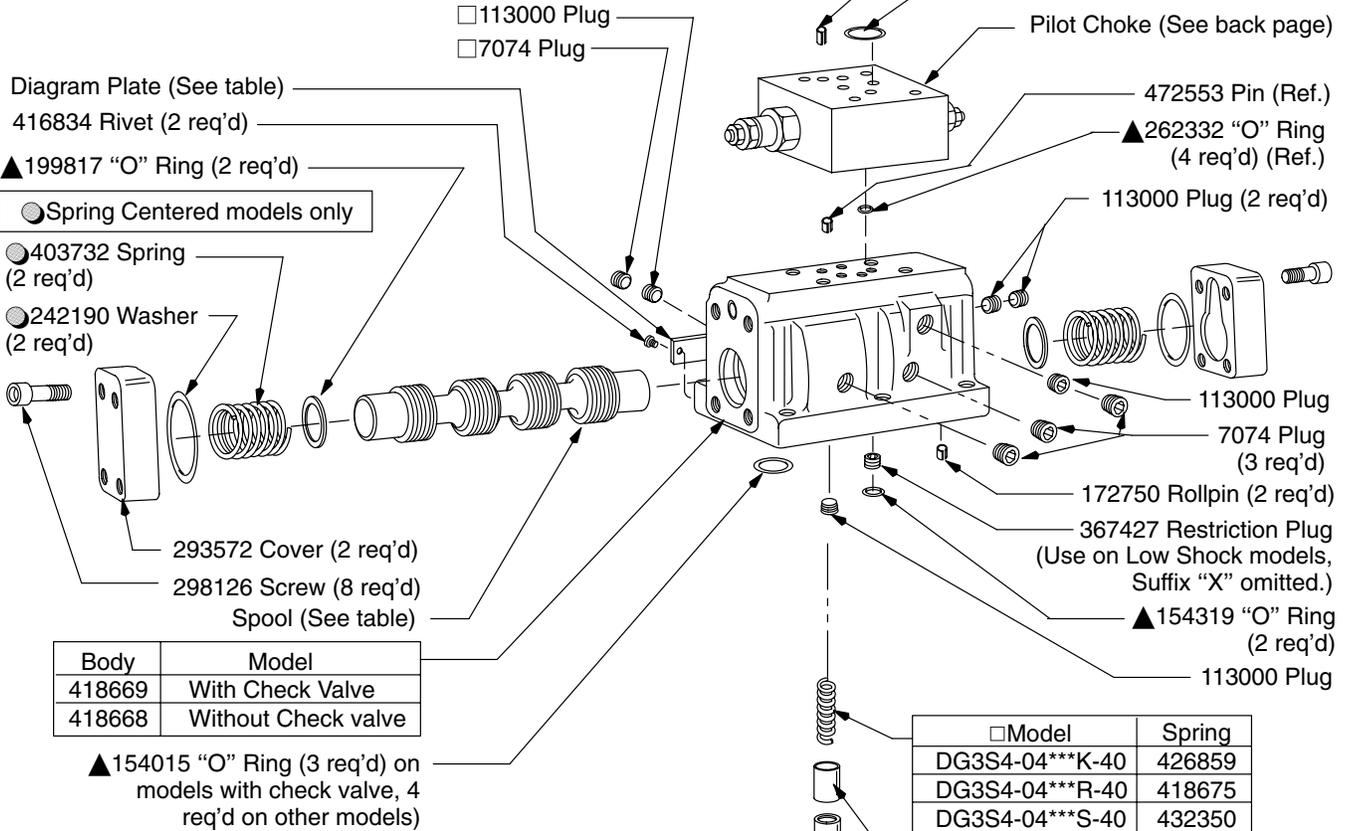
\*Normally used only on Spring Centered models.

See Spool Assembly note below.

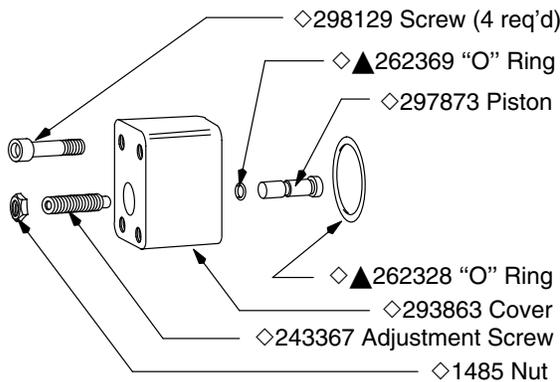
▲Included in 919512 Seal kit

Screw (4 req'd)	Model
189128	With pilot choke
8077	Without pilot choke

Torque to 50 lb. in. (5.6 N.m) max.



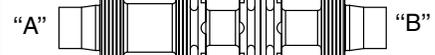
#### ◇Included in Stroke Adjuster Kit 941029



Stroke Adjustment Parts (Either end or both)

#### Spool Assembly Note

Assemble type 3 spool with narrow land toward "A" end of unit.



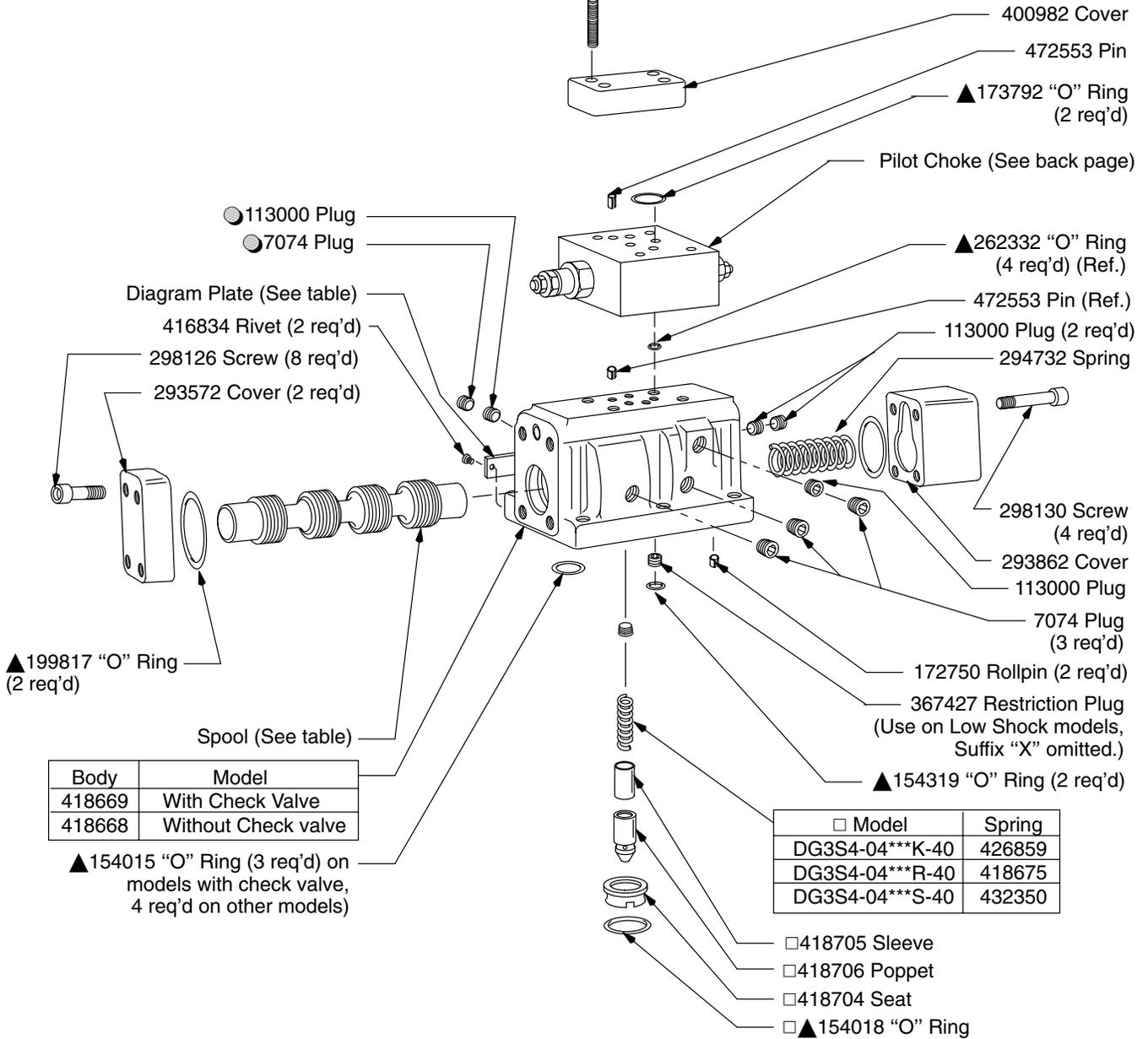
### Spring Offset Model

Model	Spool	Diagram Plate	
		RH	LH
DG3S4-040A*-*-40	399891	433857	434314
DG3S4-042A*-*-40	413482		
DG3S4-046A*-*-40	399894		
DG3S4-049A*-*-40	413483		

Screw (4 req'd)	Model
189128	With pilot choke
8077	Without pilot choke

Torque to 50 lb. in. (5.6 N.m) max.

● Models with check valve only



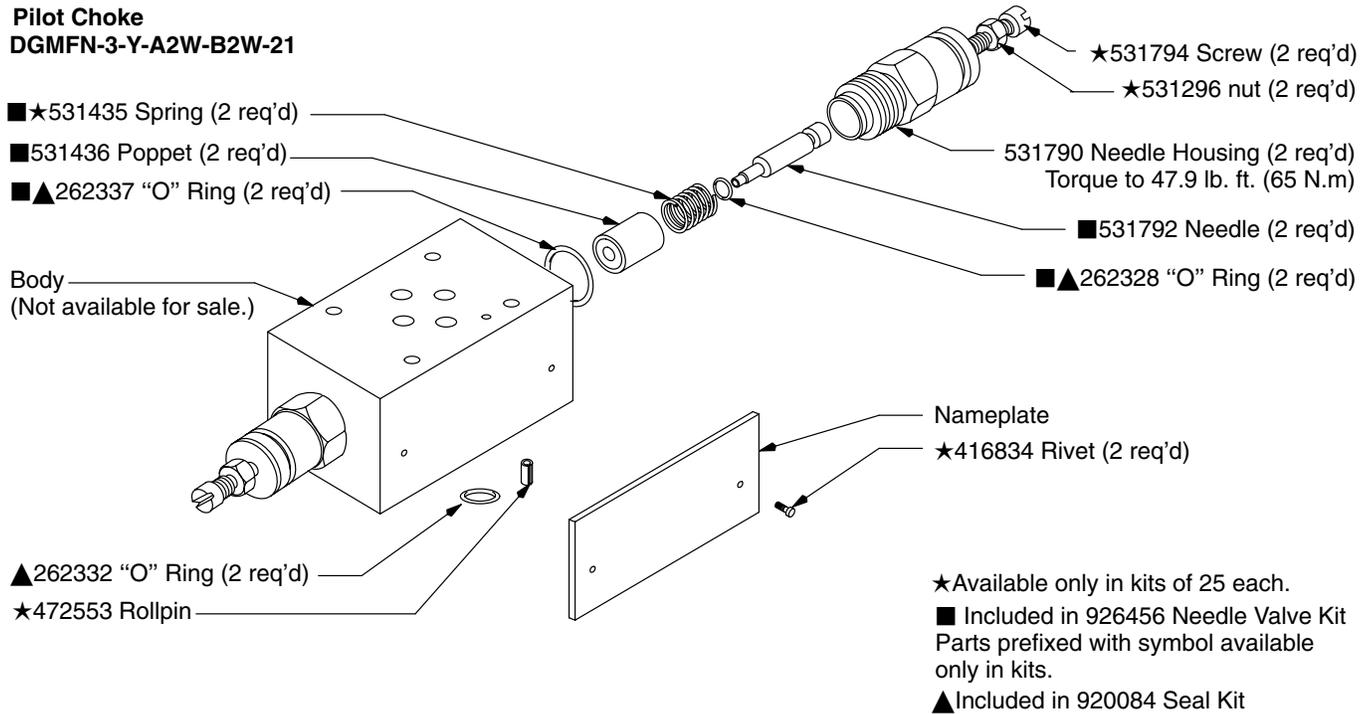
□ Models with check valve only

**Note**  
RH assembly shown. For LH assembly, the end covers and spring are assembled on side opposite of that shown. For stroke adjust parts see other page.

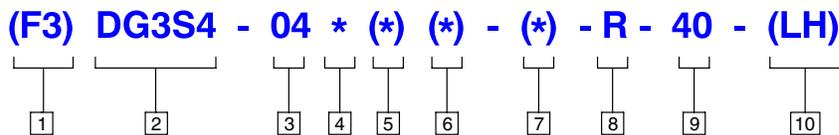
▲ Included in 919512 Seal kit

Stroke adjust cover parts are shown on other page.

**Pilot Choke  
DGMFN-3-Y-A2W-B2W-21**



**Model Code**



**1 Seals**

**F3** - Multi-fluid capability (Viton® seals)  
*Viton is a registered trademark of E.I. DuPont*

**2**

**Model Series**

Directional control valve, subplate or manifold mounted, pilot operated, sliding spool, 4 flow directions.

**3 Valve Size**

**04** - 1/2"

**4 Spool Type**

**5 Spool/Spring Arrangement**

(Omit for standard.)  
**A** - Spring offset  
**C** - Spring centered

**6 Fast Response**

**X** - Omit for standard low shock models.

**7 Spool Control Modifications**

(Omit when not required.)  
**1** - Stroke adjustments  
**2** - Pilot choke adjustments  
**3** - Pilot choke & stroke adjustments  
**7** - Stroke adjustment "A" end only  
**8** - Stroke adjustment "B" end only

**8 Check Valve**

(Omit when not required.)  
**K** - 5 psi check  
**R** - 50 psi check  
**S** - 75 psi check

**9 Design Number**

**10 Left Hand Build**

(Omit for offset to "A" models shown.)  
Spring offset model offset to "B".

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.