

Service Data

Vickers®

# Directional Controls

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## Pilot Operated Directional Control Valves

DF3S4-16\*\*-\*-53



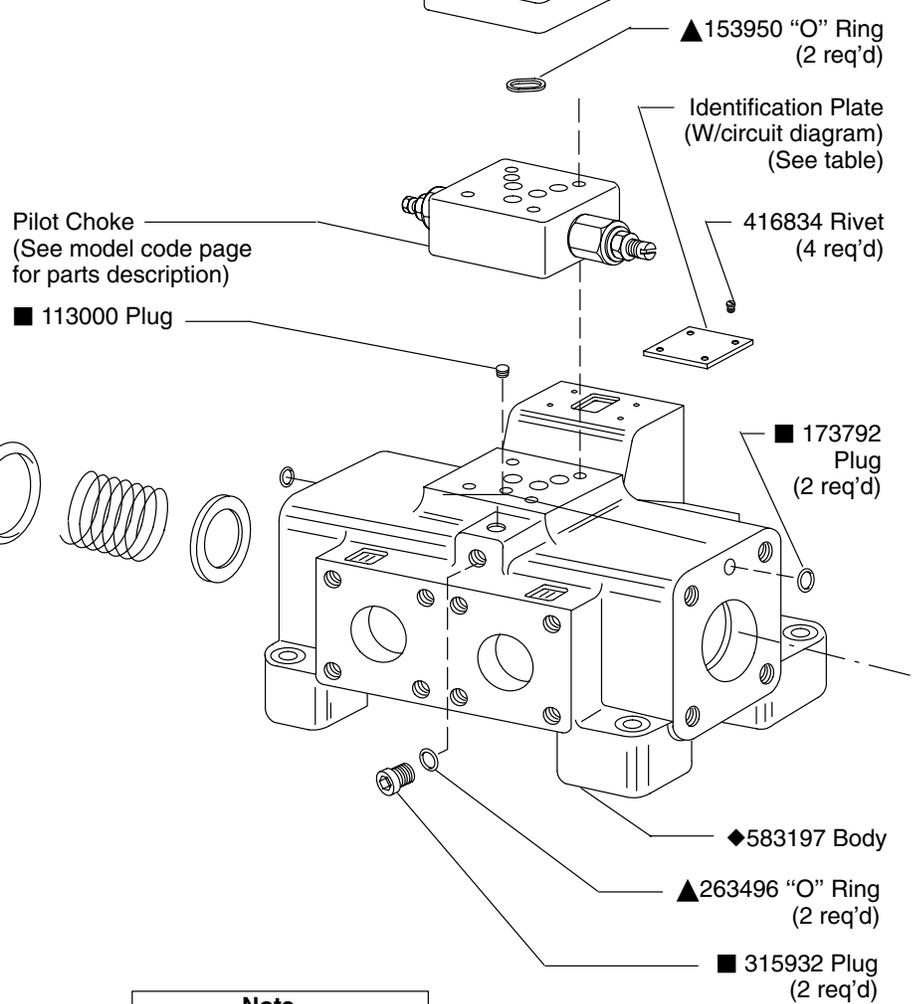
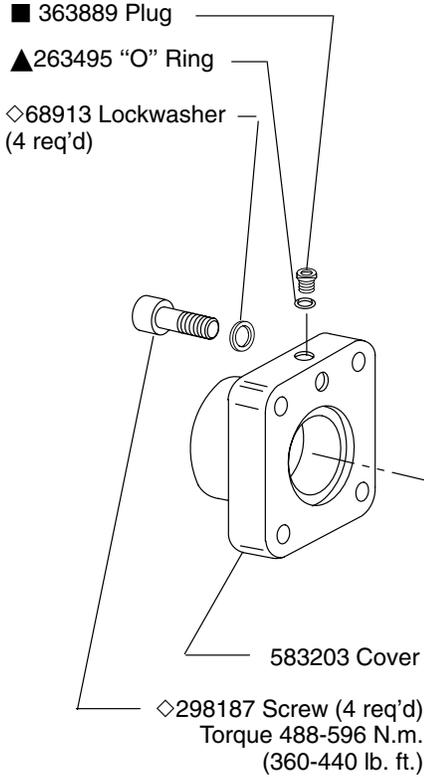
Revised 09/01/85

I-3561-S

■ Plug torques (oiled)		
Plug	Torque (N.m.)	Torque (lb. in.)
7075	20.0-23.0	180-205
113000	5.0-5.9	45-52
315932	22.5-27.0	200-240
363889	16.9-18.0	150-160

Model	Bolt Kit
Without Pilot Choke	○466834
With Pilot Choke	□466836

Kits include (4) screws  
Torque to 12.4-12.65 N.m.  
(110-112 lb. in.)



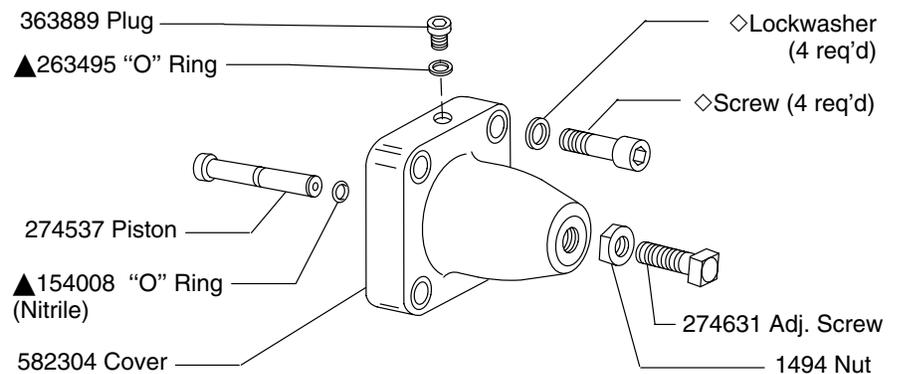
**Note**  
SAE straight thread plugs  
used on exterior of valve.

See parts drawing I-3962-S  
for connection flanges.

**Note**  
Part numbers included in kits  
will not be sold separately.

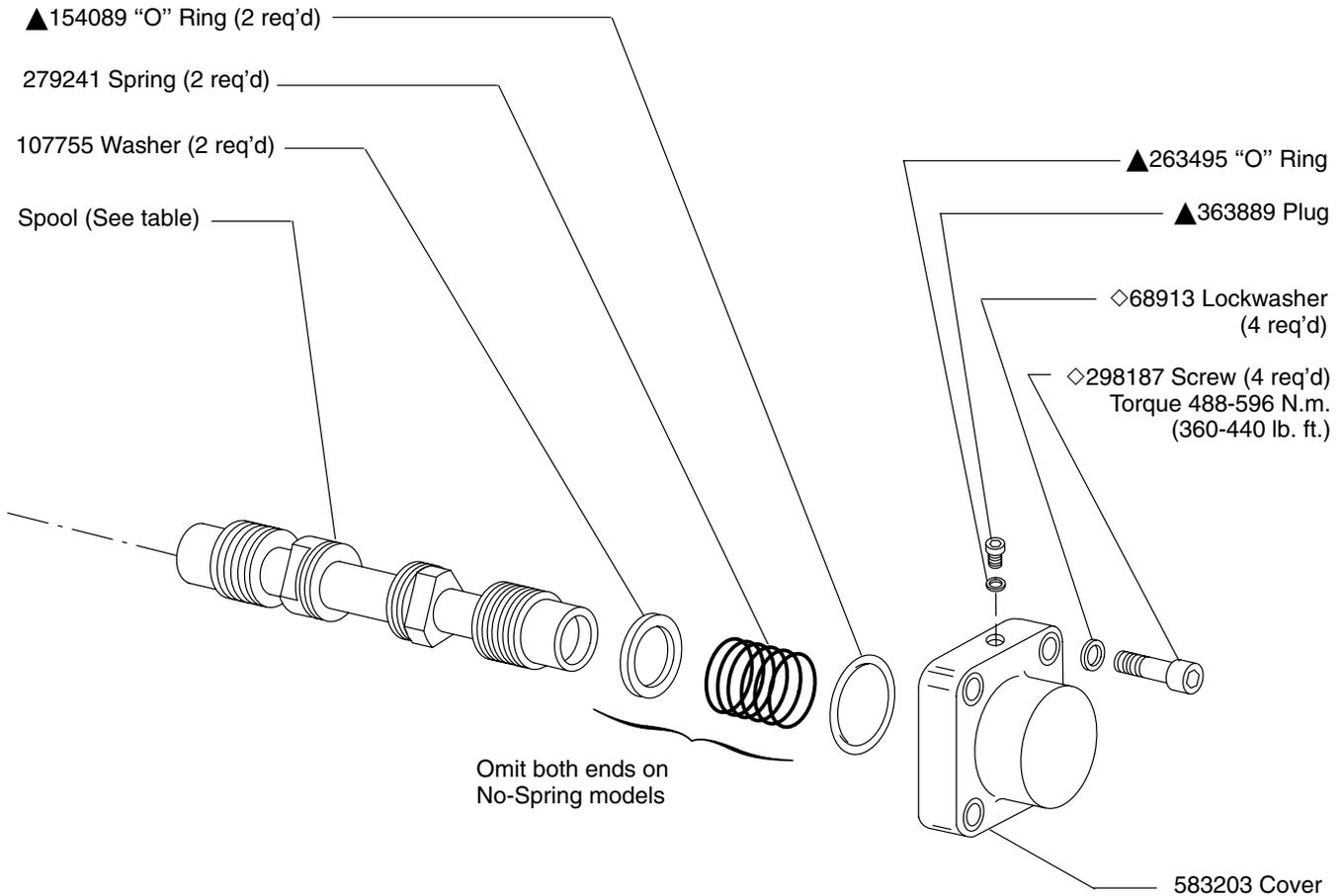
- ▲ Included in F3 Seal Kit 919410
- ◇ Included in Fastener Kit 941309
- Plug torques (See table)
- ◆ Not available for sale
- Included in Bolt Kit 255637
- Included in Bolt Kit 255637

### Stroke Adjustment Parts

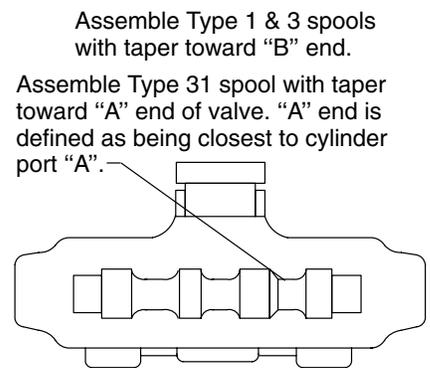
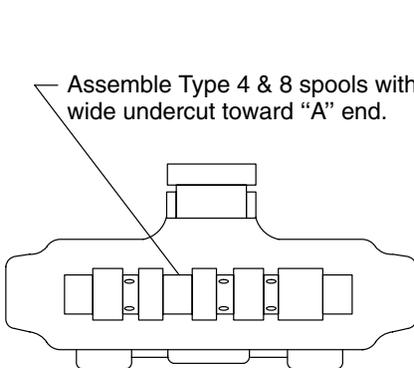


Model	Spool	I.D. Plate	
		"C"	No-Spring
DF3S4-160(C)-*-53	273677	400976	400975
DF3S4-161C)-*-53	*386581	400977	—
DF3S4-162(C)-*-53	273676	400978	400975
DF3S4-163C)-*-53	*275803	400979	—
DF3S4-164C)-*-53	*273720	400980	—
DF3S4-166(C)-*-53	275804	400981	400975
DF3S4-168C)-*-53	*275805	400980	—
DF3S4-169(C)-*-53	275806	400976	400975
DF3S4-1631C)-*-53	275803	580475	—
DF3S4-1633C)-*-53	317777	400981	—

\*See spool assembly note below.

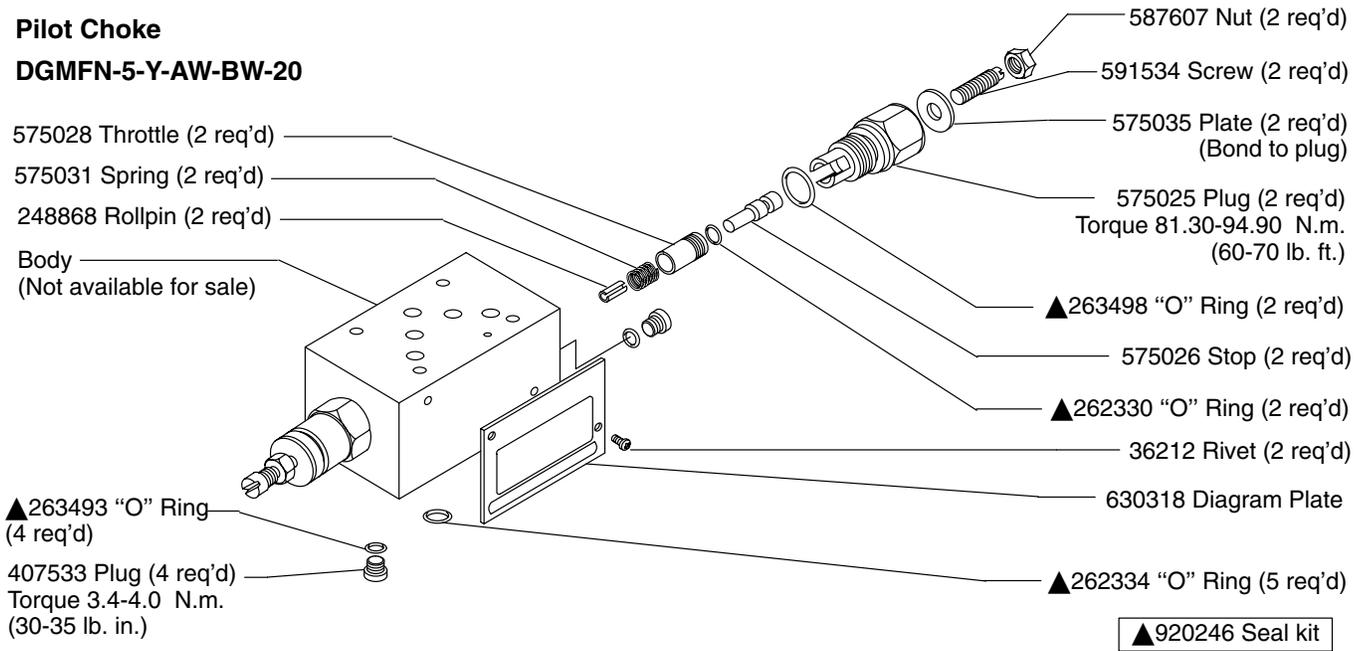


### Spool Assembly Note



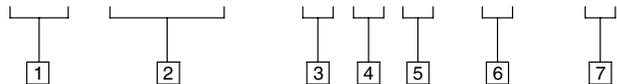
**Pilot Choke**

**DGMFN-5-Y-AW-BW-20**



**Model Code**

**(F3) DF3S4 - 16 \* \* - \* - 53**



<p><b>1 Seal Material</b></p> <p><b>F3</b> - Multi-fluid capability Viton® seals  <i>Viton is a registered trademark of E.I. DuPont</i></p>	<p><b>3 Valve Size</b></p> <p><b>16</b> - 160 series (2.00 inch)</p>	<p><b>6 Spool Control Modification</b></p> <p>(Omit when not required.)</p> <p><b>1</b> - Stroke adjustment  <b>2</b> - Pilot choke adjustments  <b>3</b> - Pilot choke &amp; stroke adjustments  <b>7</b> - Stroke adjustment, cylinder "A" end only  <b>8</b> - Stroke adjustment, cylinder "B" end only</p>
<p><b>2 Model Series</b></p> <p><b>DF3S4</b> -Directional control valve, flange connections, pilot operated, sliding spool, 4-way flow</p>	<p><b>4 Spool Types</b></p>	<p><b>7 Design</b></p>
	<p><b>5 Valve Types</b></p> <p><b>C</b> - Spring centered  <b>Omit</b> - No-spring</p>	

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