

Service Data

Vickers®

Directional Controls



Spring Offset Pilot Operated Directional Control Valve

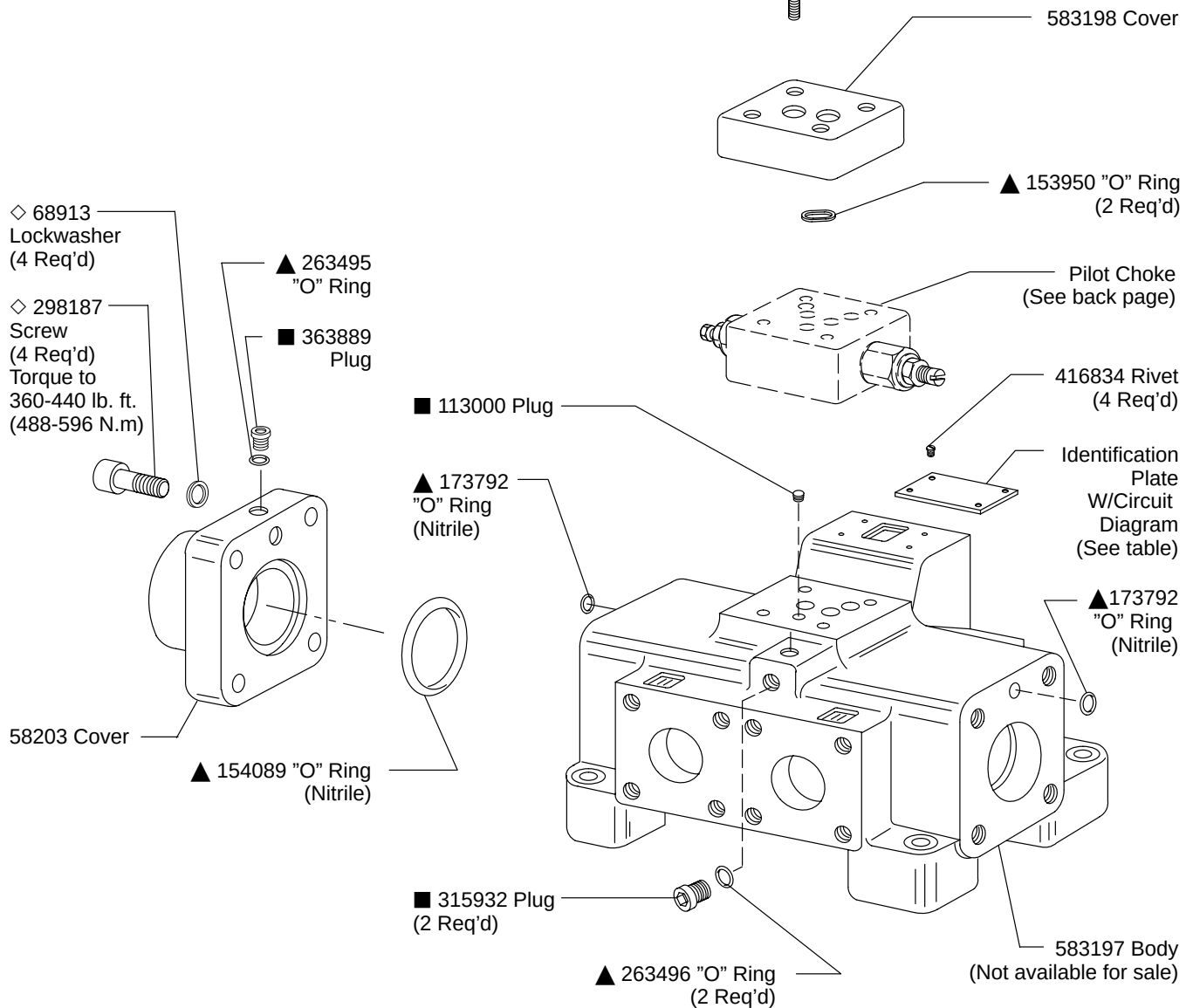
DF3S4-16*A-*-53



Revised 09/01/85

I-3555-S

Model	Bolt (4 Req'd)
W/Pilot Choke	■ 10937
W/Out Pilot Choke	□ 1033
Torque to 100 -112 lb. in. (11.3 - 12.7 N.m)	



- ▲▲ Included in Standard Seal Kit 919406
F3 equivalent Seal Kit 919410
- ◇ Included in Fastener Kit 941309
- Included in Bolt Kit 255651
- Included in Bolt Kit 255637
- Plug Torques (See table)

Note
SAE straight thread plugs
used on exterior of valve

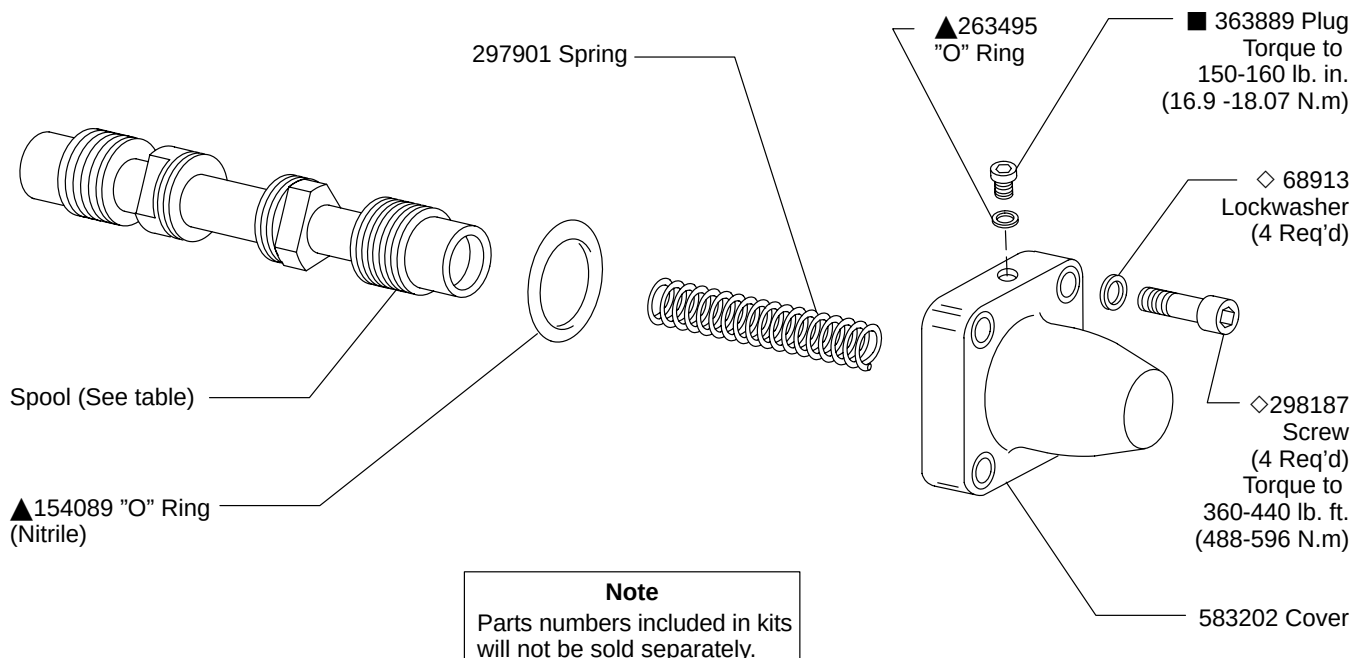
See parts drawing I-3962-S
for connection flanges

Note Right hand assembly shown. For left hand assembly, end covers & spring are reversed & I.D. plate is changed to L.H. (Example: DF3S4-160A-53-LH)
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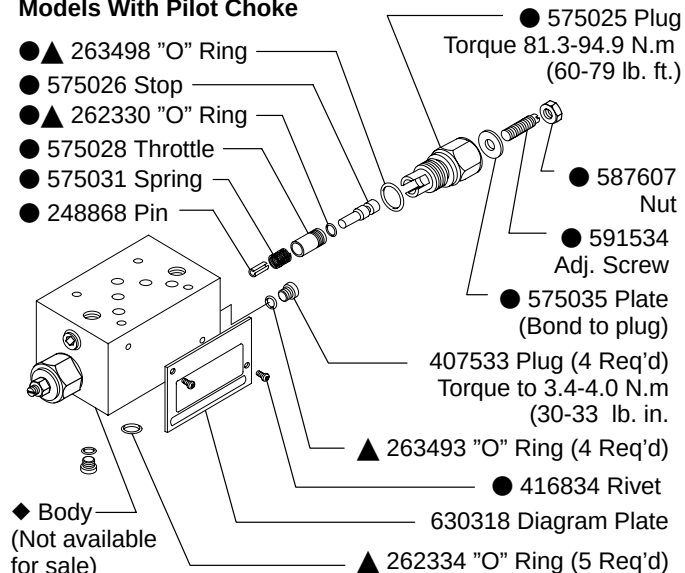
Note Right hand assembly shown. For left hand assembly, end covers & spring are reversed & I.D. plate is changed to L.H. (Example: DF3S4-160A-53-LH)
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Model	Spool	Ident. Plate	
		R.H.	L.H.
DF3S4-160A-*-53	273677	400960	434311
DF3S4-162A-*-53	273676		
DF3S4-166A-*-53	275804		
DF3S4-169A-*-53	275806		
DF3SA-1633A-*-53	317777		

■ Plug Torques (Oiled)		
Plug	N.m	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



Models With Pilot Choke

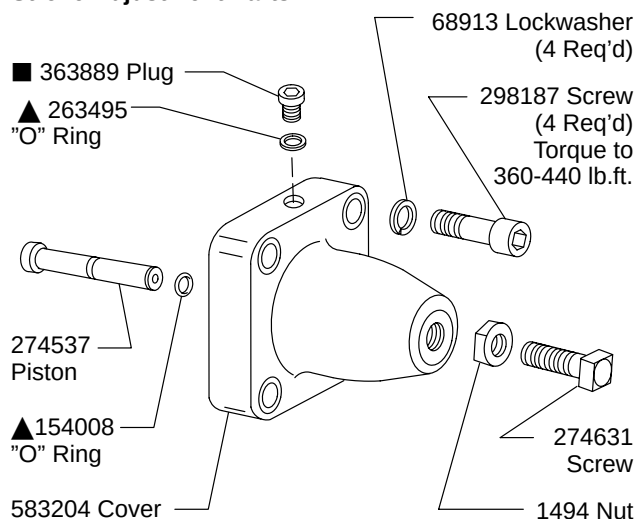


◆ Order complete choke (DGMFN-5-Y-AW-BW-20 if body is required).

● Qty. 2 Required

▲ Included in 920246 seal kit

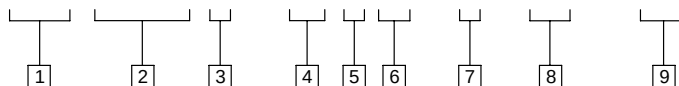
Stroke Adjustment Parts



■ Plug torques (See table on previous page)

Model Code

(F3) DF3S 4 - 16 * A - * - 53 - (LH)



1 Seal Material

F3 - Seals for mineral oil and fire resistant fluids

2 Model Series

DF3S - Directional control valves, flange connection, pilot operated, sliding spool

3 Flow Direction

4 - 4 way

4 Valve Size

160 Series (2.00 inch)

5 Spool Type

6 Spring Offset

7 Spool Control Modification

2 - Pilot choke adjustment
7 - Stroke adjustment cylinder "A" end only (RH model)
8 - Stroke adjustment cylinder "B" end only (LH model)

8 Design

9 **Offset to "B"**
 (Omit for standard Offset to "A" models.)

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.

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