



Pilot Operated Directional Control Valves

(F3)-DG3S-8-*C*-*-*10 Spring Centered

(F3)-DG3S-8-***-*-*10 No Spring

Model	Spool	I.D. Plate with Circuit Diagram	
		Spring Center	No Spring
DG3S-8-0(C)*-*-*10	363495	400976	400975
DG3S-8-1 C*-*-*10	276623	400977	—
DG3S-8-2(C)*-*-*10	363496	400978	400975
DG3S-8-3 C*-*-*10	276625	400979	—
DG3S-8-4 C*-*-*10	276626	400980	
DG3S-8-6(C)*-*-*10	363498	400981	400975
DG3S-8-8 C*-*-*10	363499	400980	—
DG3S-8-9(C)*-*-*10	363500	400976	400975
DG3S-8-31 C*-*-*10	276625	580475	—
DG3S-8-33 C*-*-*10	363501	400981	—

Cover Attaching Screws		
Model	Fastener Kit	Bolt Kit
Without Pilot Choke	□941164	—
With Pilot Choke	—	466836

Kits include (4) screws
Torque to 4.5-5.7 N.m. (39.8 - 50.4 lb. in.)

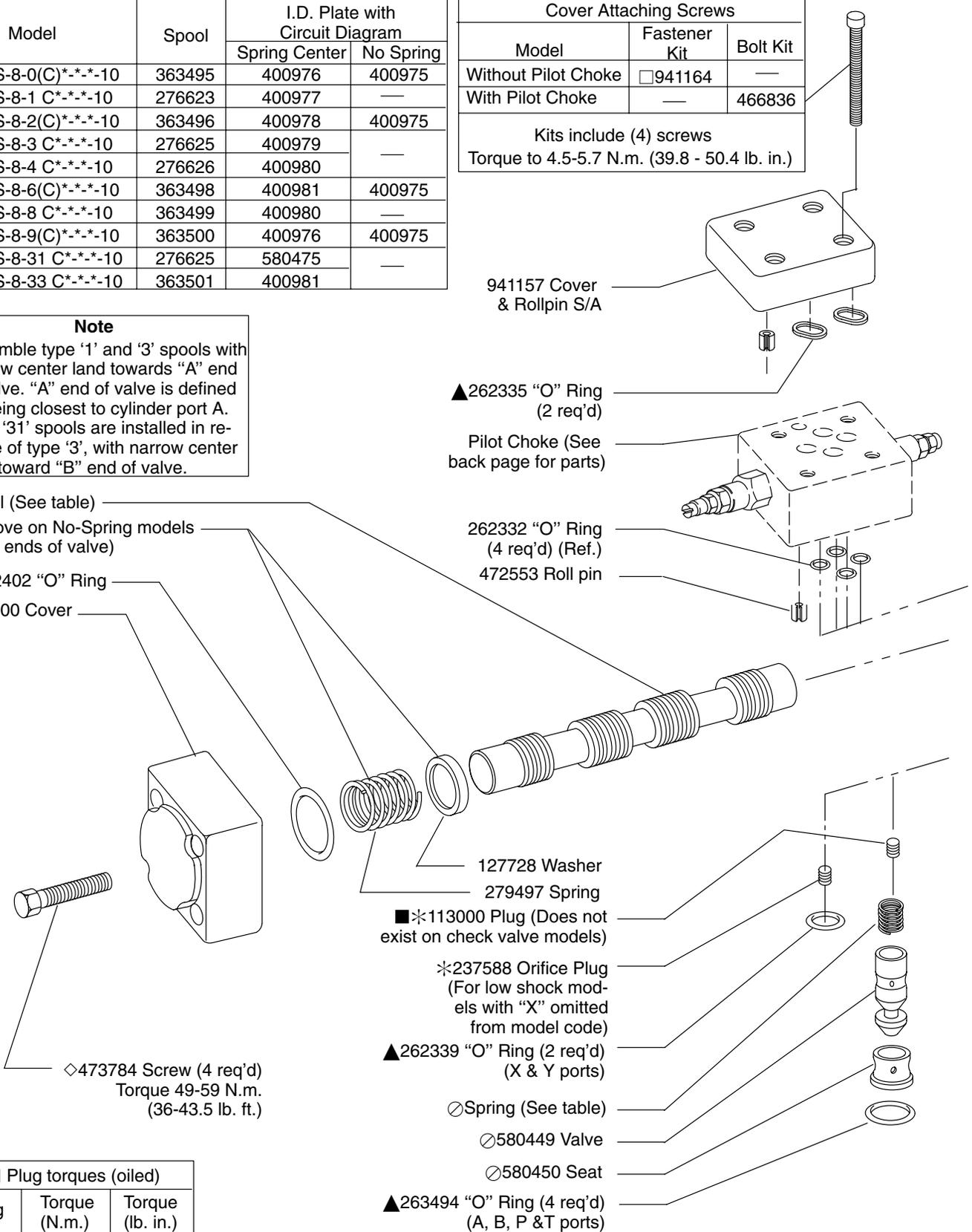
Note
Assemble type '1' and '3' spools with narrow center land towards "A" end of valve. "A" end of valve is defined as being closest to cylinder port A. Type '31' spools are installed in reverse of type '3', with narrow center land toward "B" end of valve.

Spool (See table)

Remove on No-Spring models
(Both ends of valve)

▲262402 "O" Ring

280400 Cover

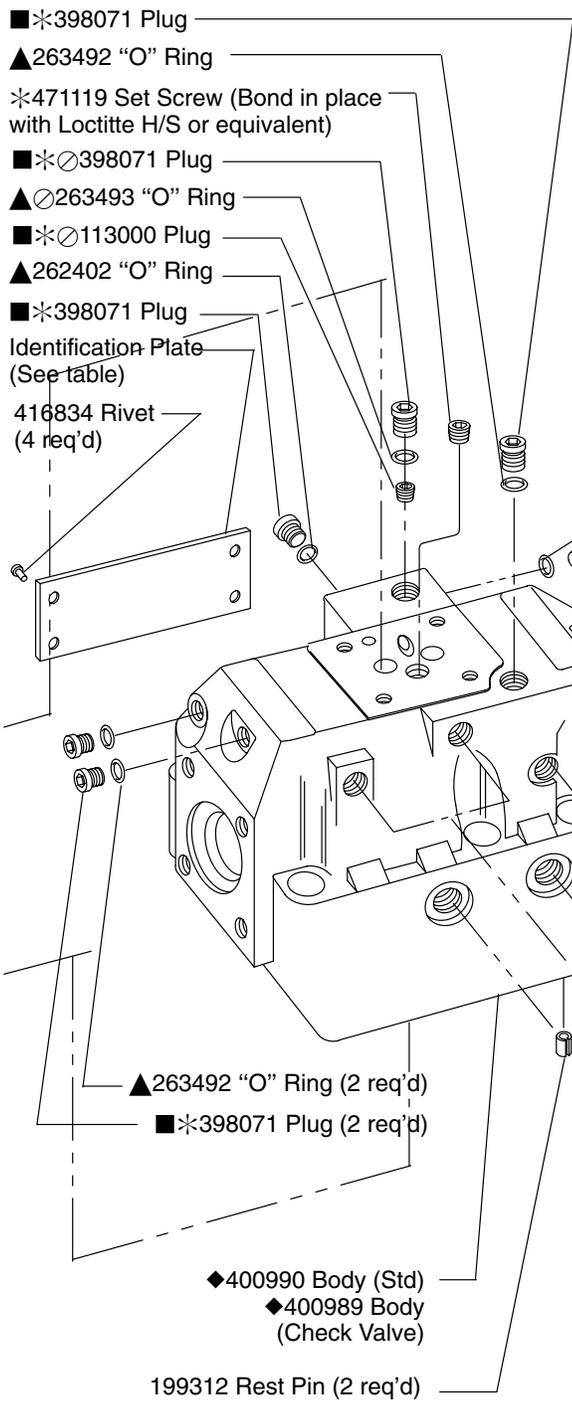


■ Plug torques (oiled)		
Plug	Torque (N.m.)	Torque (lb. in.)
113000	5.0 - 5.9	45-52
591768	9.8 - 10.2	87-90
591769	12.1-12.4	107-110
591770	15.0-16.6	133-147

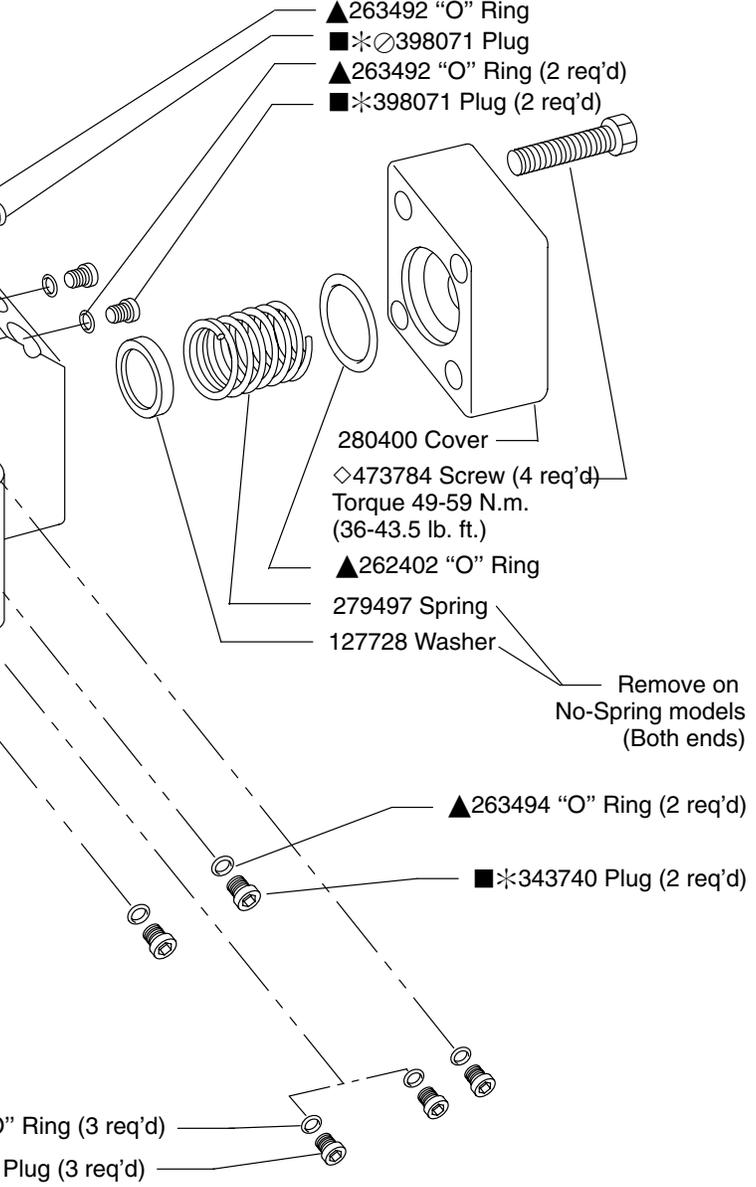
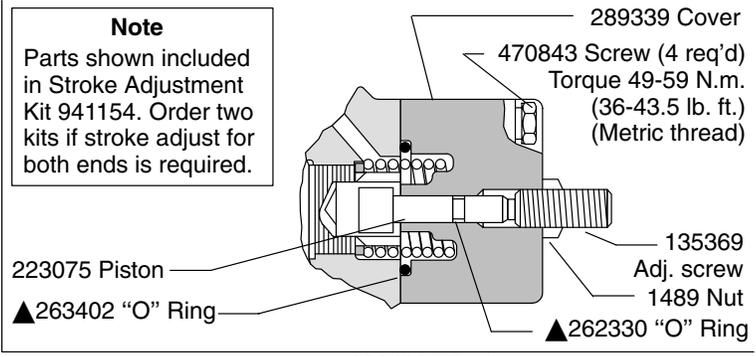
Note

- Part numbers included in service kits will not be sold separately.
- All threaded fasteners are metric.
- End cover screws are metric grade 12.9.

Model	○Spring	Color
DG3S-8-*(C)*-*-*K-10	398130	—
DG3S-8-*(C)*-*-*R-10	398131	Yellow
DG3S-8-*(C)*-*-*S-10	398132	Red



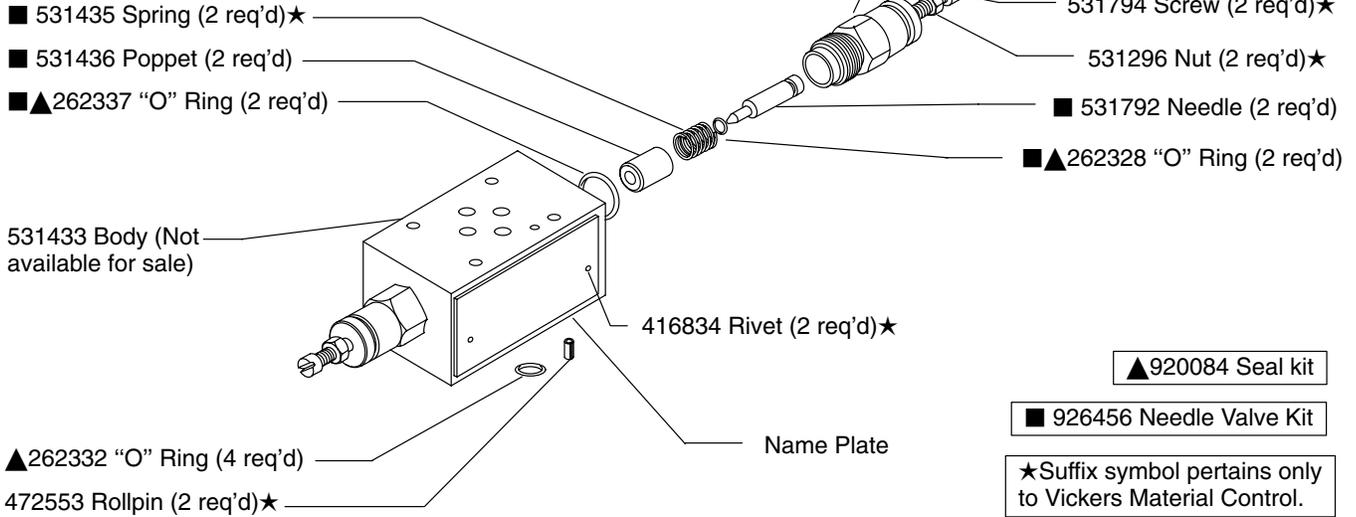
Note
 Parts shown included in Stroke Adjustment Kit 941154. Order two kits if stroke adjust for both ends is required.



- ▲ Included in F3 Seal Kit 920149
- ◇ Included in Fastener Kit 941165
- * Included in Plug Kit 941167
- ◆ Not available for sale
- ⊙ Used on Check Valve models only

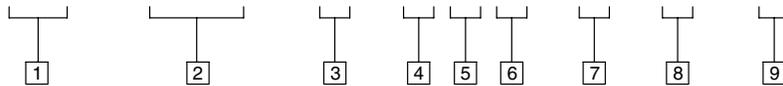
Pilot Choke

DGMFN-3-Y-A2W-B2W-21



Model Code

(F3) - DG3S - 8 - * * * - * - * - 10



1 Seal Material

F3 - Special seals for mineral oil or fire resistant fluid

2 Model Series

DG3S - Directional valve, subplate mounted, pilot operated, rated pressure 210 bar (3000 psi)

3 Interface

8 - CETOP 8

4 Spool Type

5 Spring Centered "C"

(Omit for no-spring models)

6 Fast Response "X"

(Omit for standard models)

7 Spool Control Modification

(Omit when not required)

- 1** - Stroke adjustments
- 2** - Pilot choke adjustments
- 3** - Pilot choke & stroke adjustments
- 7** - Stroke adjustment, cylinder "A" end only
- 8** - Stroke adjustment, cylinder "B" end only

8 Check Valve in Pressure Port

(Omit when not required)

- K** - 0,35 bar (5 psi)
- R** - 3,45 bar (50 psi)
- S** - 5,20 bar (75 psi)

9 Design