

Directional Valves

Parts Manual

ENGINEERING
TOMORROW



Spring Offset Directional Valves

DG4S2(L)-012A-(**AC**)-50

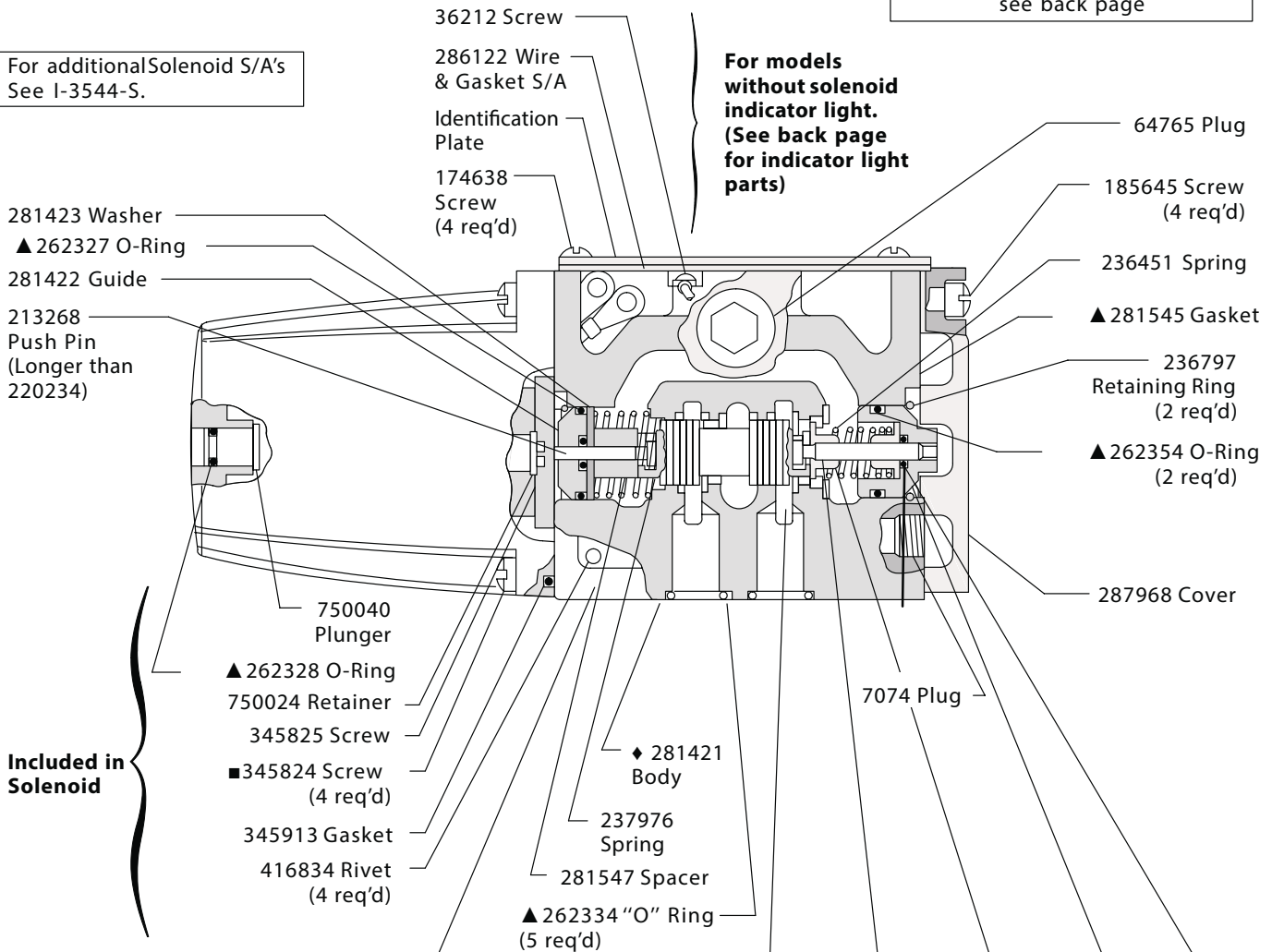
DG4S4(L)-01*A-(**AC**)-50

Right hand assembly shown. In left hand assembly all parts of valve except body are reversed.
Example of L.H. model:
DG4S4(L)-012A-50-LH

NOTE
For 50/60 cycle solenoids
see back page

For additional Solenoid S/A's
See I-3544-S.

**For models
without solenoid
indicator light.
(See back page
for indicator light
parts)**



Model	Diagram Plate	
	RH	LH
DG4S2(L)-	290347	577488
DG4S4(L)-	290348	577490

Model	Spool	Push Pin	Limiter (2 req'd)	Guide	"O" Ring
DG4S2(L)-012A-(*)-50	220344	—	—	281424	—
DG4S4(L)-010A-(*)-50	213230	—	—	—	—
DG4S4(L)-012A-(*)-50	213231	220234	294226	284931	262327 ▲
DG4S4(L)-016A-(*)-50	213232	—	—	—	—

▲ Service all units with
F3 Seal Kit 919214

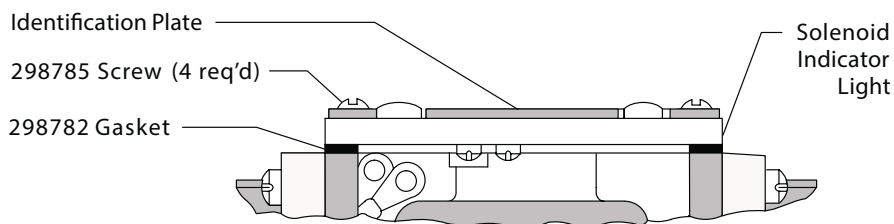
◆ Not available for sale

Torque to 30-35 lb. in.

Solenoid Indicator Light Kits (Includes all parts identified)	
Voltage Range	Kit
100 thru 125	941615

Note
Refer to parts drawing I-3487-S for models with plug-in feature.

For models with solenoid indicator light



50/60 Hertz Solenoids		
Model	Solenoid S/A	Coil
DG*S4-****-115AC-50/60-50	751137	751057
F3-DG*S4-****-115AC-50/60-50	751407	751406

Lead Wire Identification
Red Lead - Common
Yellow Lead - 60 Hz.
Blue Lead - 50 Hz.

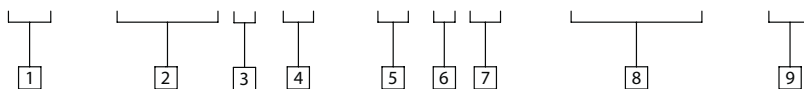


CAUTION

For 50 cycle operation use red and blue leads
For 60 cycle operation use red and yellow leads.
Do not use blue and yellow leads together.

Model Code

(F3) - DG4S * (L) - 01 * A - (AC**) - 50**



1 Seal Material

F3 - Seals for mineral oil and fire resistant fluids (Viton seals)

4 Indicator Light

L - Solenoid
Omitted - None

8 Solenoid Voltage and Frequency

Omitted - 115VAC60 standard

2 Model Series

DG4S - Directional valves, subplate or manifold mounted, solenoid operated, sliding spool

5 Series

6 Spool Type

7 Spring Offset

9 Design

3 Flow Directions

2 - 2 way
4 - 4 way

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 Danfoss are recommended.

Products we offer:

- Cartridge valves
- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Gear motors
- Gear pumps
- Hydraulic integrated circuits (HICs)
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
- PLUS+1® controllers
- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software
- PLUS+1® software services, support and training
- Position controls and sensors
- PVG proportional valves
- Steering components and systems
- Telematics

Danfoss Power Solutions is a global manufacturer and supplier of high-quality hydraulic and electric components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market as well as the marine sector. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of applications. We help you and other customers around the world speed up system development, reduce costs and bring vehicles and vessels to market faster.

Danfoss Power Solutions – your strongest partner in mobile hydraulics and mobile electrification.

Go to www.danfoss.com for further product information.

We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Local address:

Hydro-Gear

www.hydro-gear.com

Daikin-Sauer-Danfoss

www.daikin-sauer-danfoss.com

**Danfoss
Power Solutions (US) Company**
2800 East 13th Street
Ames, IA 50010, USA
Phone: +1 515 239 6000

**Danfoss
Power Solutions GmbH & Co. OHG**
Krokamp 35
D-24539 Neumünster, Germany
Phone: +49 4321 871 0

**Danfoss
Power Solutions ApS**
Nordborgvej 81
DK-6430 Nordborg, Denmark
Phone: +45 7488 2222

**Danfoss
Power Solutions Trading
(Shanghai) Co., Ltd.**
Building #22, No. 1000 Jin Hai Rd
Jin Qiao, Pudong New District
Shanghai, China 201206
Phone: +86 21 2080 6201