Wet Armature Solenoid Controlled Pilot Operated Directional Valves

DF5S4-16*A-*-(E)-W(3)*-53  DF5S4-16*C-*-(E)-W(3)*-53
DF5S4-16*B-*-(E)-W(3)*-53  DF5S4-16*N-*-(E)-W(3)*-53
### Pilot Attaching Parts

<table>
<thead>
<tr>
<th>Model</th>
<th>Bolt Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>W/Out Pilot Choke</td>
<td>255633</td>
</tr>
<tr>
<td>W/Pilot Choke</td>
<td>255654</td>
</tr>
</tbody>
</table>

Torque to 11.3 - 12.65 N.m (100-112 lb. in.)

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**Note**
- See model code page for solenoid indicator light parts.
- Parts included in service kits not sold separately.

- **298187 Screw** (4 Req'd)
  - Torque to 488-596 N.m (360-440 lb. ft.)
- **68913 Lockwasher** (4 Req'd)
- **199811 "O" Ring**
- **This Solenoid removed on "A" & "B" models**
  - "X" external Pilot connection
- **113000 Plug**
  - For external Pilot Pressure Models DF5S4(L)-16**-E-
  - **315932 Plug** (Alternate Pilot Valve "Y" Drain Connection)
  - **263496 "O" Ring**
  - **173792 "O" Ring**
  - **154089 "O" Ring**
- **279241 Spring**
- **107755 Washer**
- **583203 Cover**
- **583197 Body** (Not available for sale)
- **173792 "O" Ring**
- **416834 Rivet** (4 Req'd)
- **Main Stage ID Plate** (See table)

Plugs into opening with a 315932 Plug & 263496 "O" Ring on internal Pilot pressure models, "E" omitted from model code.

- **Assemble type 4 & 8 Spools with wide undercut toward "A" end.**
- **Assemble type 1 & 3 Spools with taper toward "B" end. Type 31 Spool is assembled with taper toward "A" end.**

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**Note**
- Included in Seal Kit 919405
- F3 equivalent Seal Kit 919434
- Plug Torques (See table)
**Main Stage ID Plate w/Circuit Diagram**

<table>
<thead>
<tr>
<th>Valve Model Code</th>
<th>Main Stage</th>
<th>Valve Type</th>
<th>Spool</th>
<th>Main Stage ID Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>DF5S4-160-</td>
<td>A/B/C/N</td>
<td>273677</td>
<td>400976</td>
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</table>

*See Spool Assembly View*

**Note**
The -S344 Pilot Valve is the same as the valve shown on the tabulated parts drawing except: 434286 body replaces 400817 body. 407533 Plug & 263493 "O" Ring are omitted.
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 OFP, OFR, and OFRS series are recommended.