

# Relief Valves

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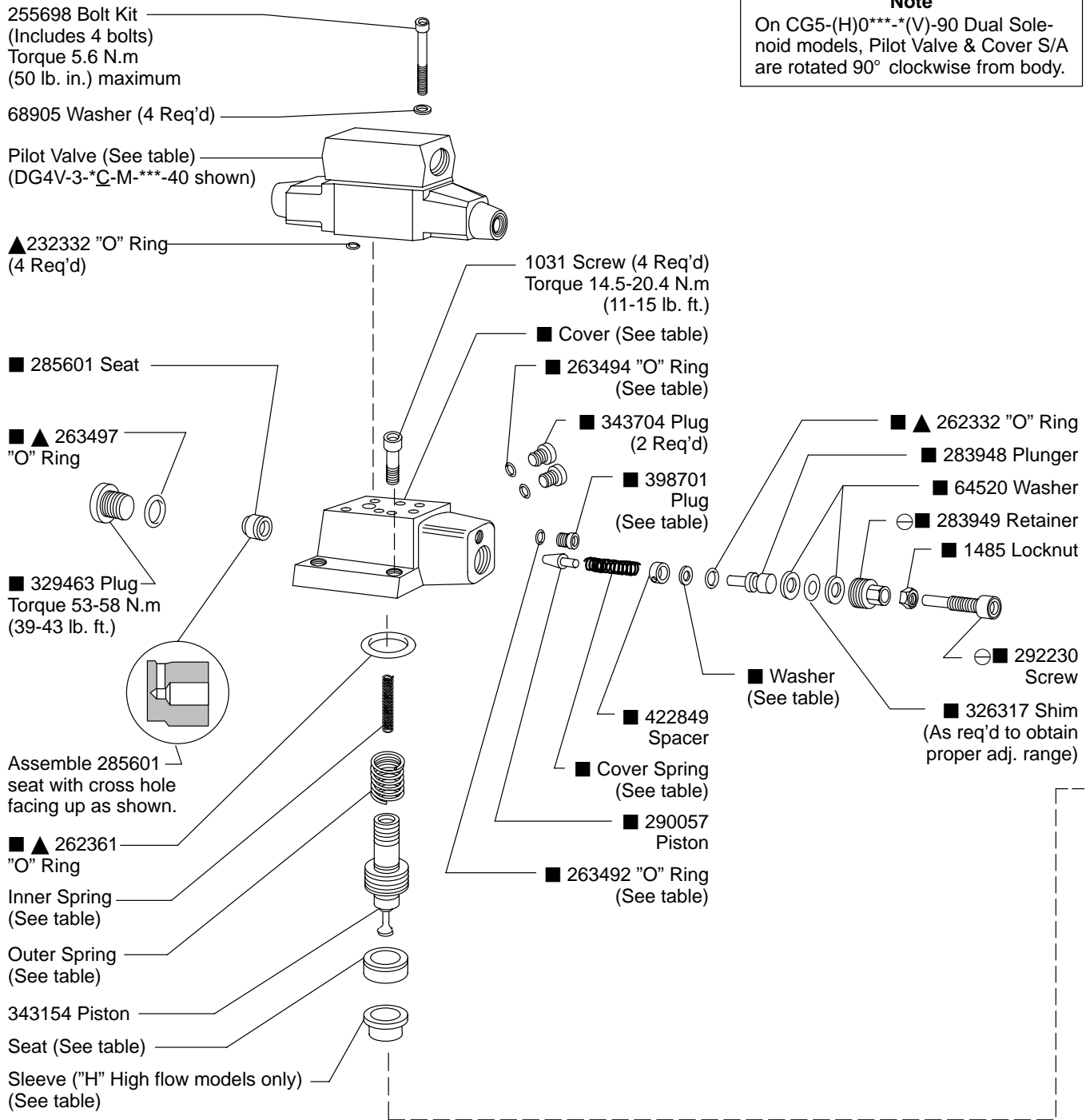
## Solenoid Controlled Relief Valves

(F3)-CG5-(H)06\*\*(L)(P)-\*(V)-(M)-\*\*\*\*-90

(F3)-CS5-(H)03/06\*\*(L)(P)-\*(V)-M-\*\*\*\*-90

(F3)-CT5-06\*\*(L)(P)-\*-M-\*\*\*\*-90

**Note**  
 On CG5-(H)0\*\*\*-(V)-90 Dual Solenoid models, Pilot Valve & Cover S/A are rotated 90° clockwise from body.



| Model     | Seat   | Sleeve |
|-----------|--------|--------|
| C*5-03/06 | 343153 | —      |
| C*5-H06   | 589473 | 589472 |

| Model           | ■ Washer | Inner Spring | Outer Spring | ■ Cover Spring |
|-----------------|----------|--------------|--------------|----------------|
| C*5-0***-B-90   | —        | 2077         | —            | 2280           |
| C*5-H0***-BV-90 | —        | —            | 184458       |                |
| C*5-0***-C-90   | 233110   | 2077         | —            | 583937         |
| C*5-H0***-CV-90 |          | —            | 184458       |                |
| C*5-0***-F-90   | —        | 2077         | —            | 2281           |
| C*5-H0***-FV-90 | —        | —            | 184458       |                |

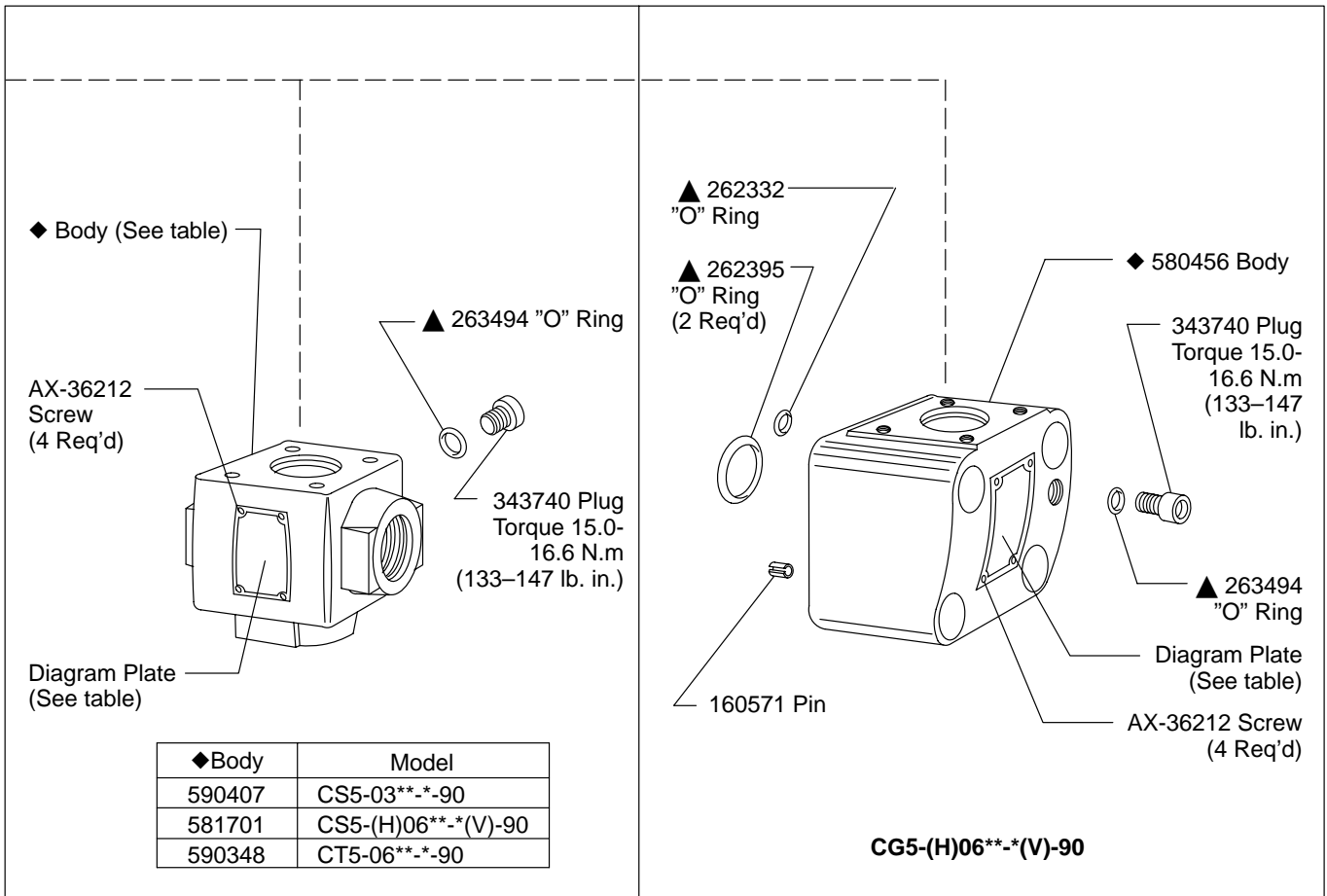
| Model                       | Diagram Plate | Pilot Valve        | Pilot Valve Parts Drwg. |
|-----------------------------|---------------|--------------------|-------------------------|
| C*5-(H)0*0A(P)-(V)-M-***-90 | 422864        | DG4V-3-0BL-M***-40 | I-3862-S                |
| C*5-(H)0*1A(P)-(V)-M-***-90 | 422865        | DG4V-3-2AL-M***-40 | I-3861-S                |
| C*5-(H)0*2A(P)-(V)-M-***-90 | 423814        | DG4V-3-2BL-M***-40 | I-3862-S                |
| C*5-(H)0*0C-(V)-M-***-90    | 422862        | DG4V-3-0C-M***-40  | I-3863-S                |
| C*5-(H)0*2C-(V)-M-***-90    | 422863        | DG4V-3-2C-M***-40  | I-3863-S                |
| C*5-(H)0*0F(P)-(V)-M-***-90 | 477211        | DG4V-3-0FL-M***-40 | I-3864-S                |

| Model                 | ■ Cover S/A |
|-----------------------|-------------|
| C*5-(H)0*0A/F-B(V)-90 | 942432      |
| C*5-(H)0*0A/F-C(V)-90 | 942433      |
| C*5-(H)0*0A/F-F(V)-90 | 942434      |
| C*5-(H)0*1A-B(V)-90   | 942435      |
| C*5-(H)0*2A-B(V)-90   |             |
| C*5-(H)0**C-B(V)-90   | 942436      |
| C*5-(H)0*1A-C(V)-90   |             |
| C*5-(H)0*2A-C(V)-90   |             |
| C*5-(H)0**C-C(V)-90   | 942437      |
| C*5-(H)0*1A-F(V)-90   |             |
| C*5-(H)0*2A-F(V)-90   |             |
| C*5-(H)0**C-F(V)-90   |             |

| Model          | ■ Cover S/A | ■ Plug/"O" Ring (2 Req'd) | ■ Plug/"O" Ring |
|----------------|-------------|---------------------------|-----------------|
| C*5-(H)0*0A-90 | 422828      | —                         | —               |
| C*5-(H)0*1A-90 | 424203      | 343740/▲263494            | 398071/▲263492  |
| C*5-(H)0*2A-90 |             |                           |                 |
| C*5-(H)0**C-90 |             |                           |                 |

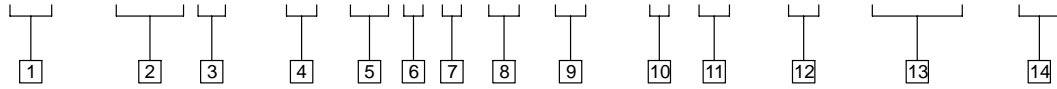
**Note**  
Parts prefixed with a symbol available only in kits.

- Included in Cover S/A
- ▲ Included in F3 Seal Kit 920344 (includes pilot valve seal)
- ⊖ Lubricate with oil before assembly
- ◆ Not available for sale



# Model Code

**(F3) - C \* 5 - (H) \* \* \* \* (L) (P) - \* (V) - M - \* \* \* \* - 90**



**1 Seal Material**

**F3** - Seals for mineral oil and fire resistant fluids

**2 Model Series**

**C** - Relief valve  
**G** - Subplate mounting,  
**S** - Straight threads  
**T** - NPTF threads

**3 Solenoid Controlled**

**4 High Flow**

CG5 or CS5 models only  
(Omit if not required)

**5 Valve Size**

**03** - 3/8 inch  
**06** - 3/4 inch

**6 Pilot Valve Spool Type**

**7 Pilot Valve Function**

**A** - Spring offset (single solenoid)  
**B** - Spring centered (solenoid 'A' removed)  
**C** - Spring centered (dual solenoid)  
**F** - Spring offset (single solenoid) energize to vent

**8 Left Hand Built Single Solenoid Pilot Valve**

Omit - If not required

**9 Manual Operator for Single Solenoid Pilot Valve**

Omit - If not required

**10 Pressure Range**

**B** - 125-1000 PSI  
**C** - 500-2000 PSI  
**F** - 1500-3000 PSI

**11 High Vent**

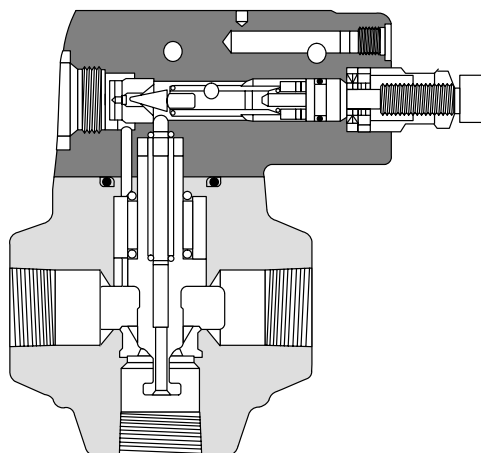
Omit - If not required

**12 Flag Symbol Heading for Pilot Valve Electrical Features**

**13 Pilot Valve Electrical Features**

(Refer to Drawing I-3866-S & pilot valve parts drawing)

**14 Design**



**Relief Valve Sectional View without Pilot Valve**

For satisfactory service life of these components in industrial applications, 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.