Service Data

Vickers®

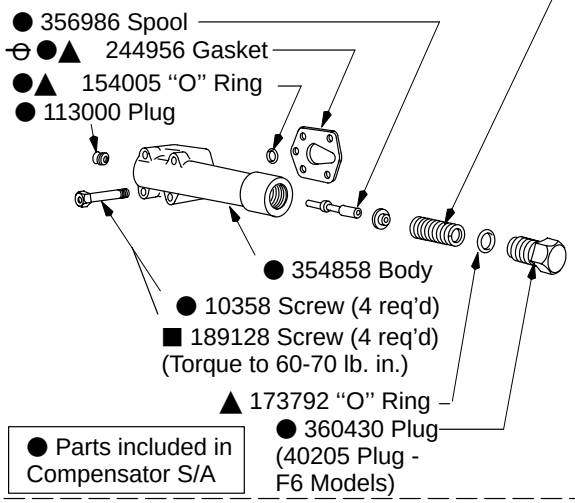
Piston Pumps & Motors

Variable Inline Piston Units

PVB10-(F)(Y)-30/31-*(*)(L)-1***
PVB15-(F)(Y)-30/31-*(*)(L)-1***
MPVB10-(F)UD(Y)-30/31-*-10

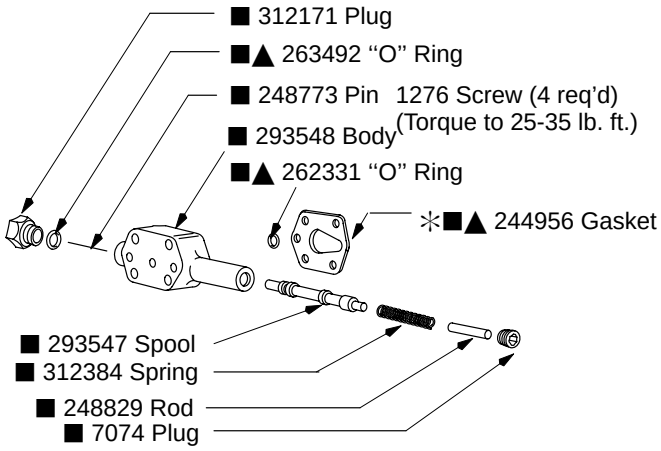
Compensator S/A Parts

Pressure Range (psi)	Compensator S/A	Spring
(C)350-3000 (10) 350-2000 (15)	942158	239371
(CM) 350-1500	942159	● 265693



● Parts included in Compensator S/A

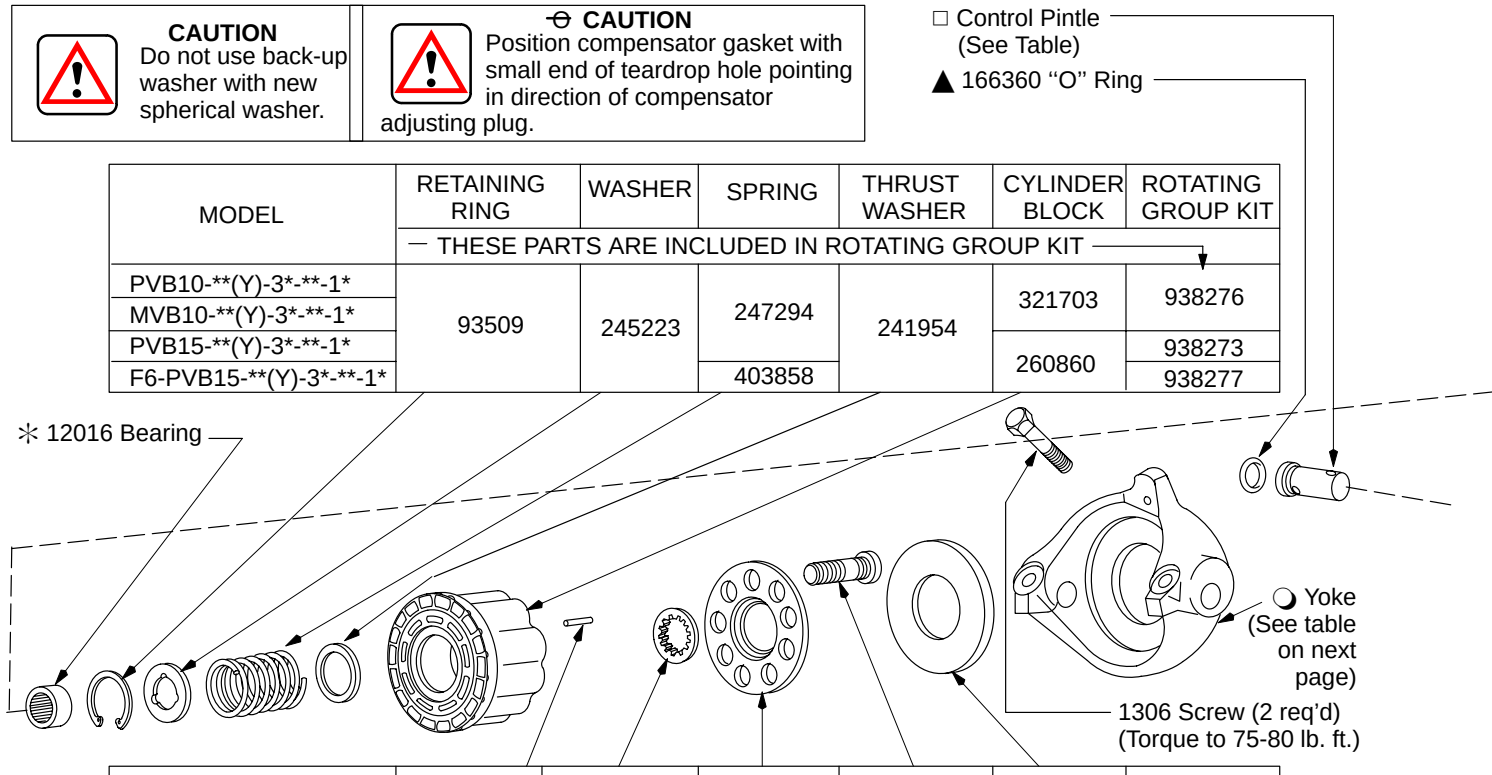
■ Included in start-up valve (E) S/A 942157



NOTE
Compensator and start-up valve shown for L.H. shaft rotation. For R.H. rotation units, rotate both valves 180°.

CAUTION
Do not use back-up washer with new spherical washer.

⊖ **CAUTION**
Position compensator gasket with small end of teardrop hole pointing in direction of compensator adjusting plug.



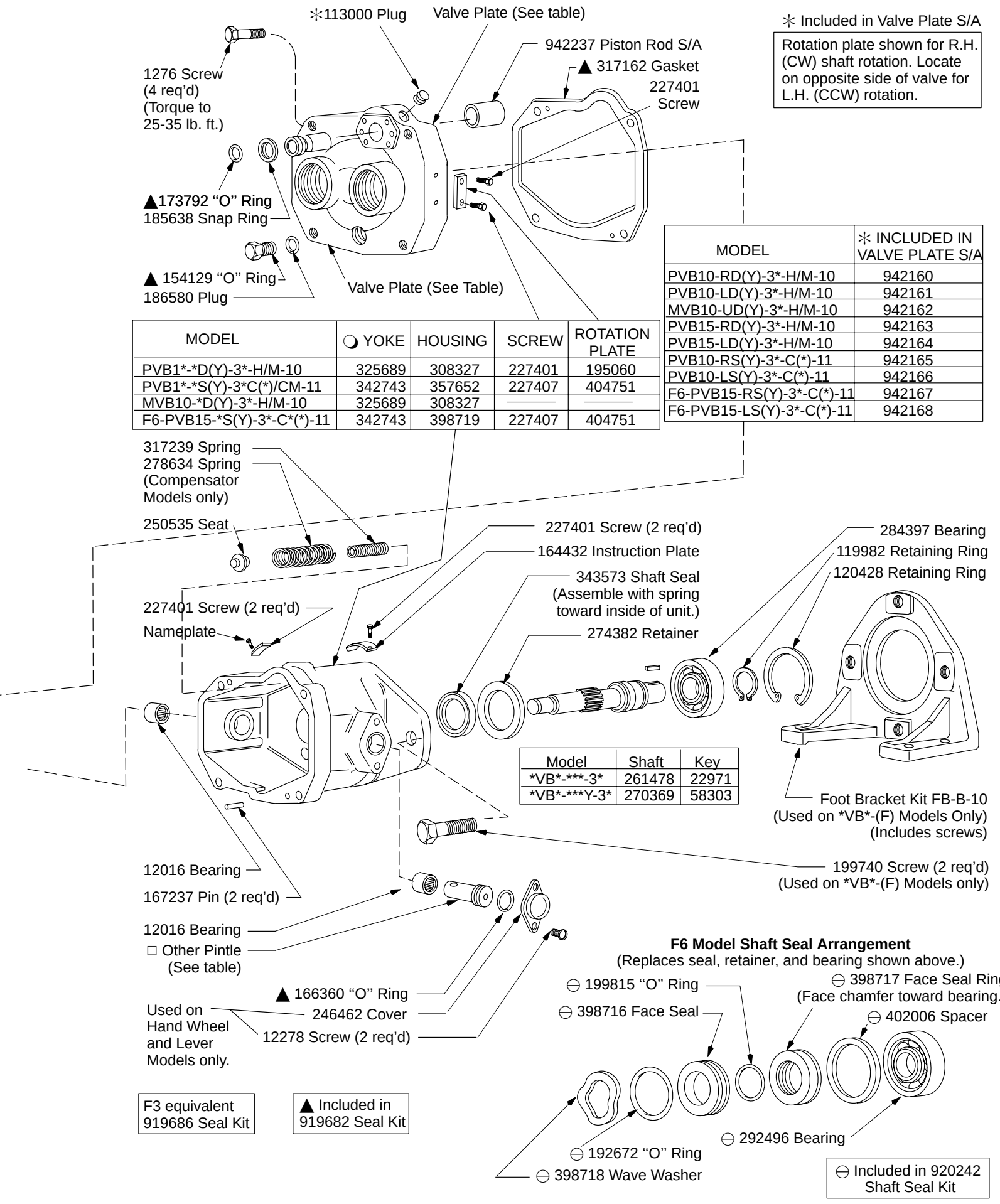
MODEL	RETAINING RING	WASHER	SPRING	THRUST WASHER	CYLINDER BLOCK	ROTATING GROUP KIT
	— THESE PARTS ARE INCLUDED IN ROTATING GROUP KIT →					
PVB10-**(Y)-3*-**-1*	93509	245223	247294	241954	321703	938276
MVB10-**(Y)-3*-**-1*						
PVB15-**(Y)-3*-**-1*					260860	938273
F6-PVB15-**(Y)-3*-**-1*			403858			938277

MODEL	PIN (3 REQ'D)	SPHERICAL WASHER	SHOE PLATE	PISTON S/A KIT	SWASH PLATE	ROTATING GROUP KIT
	— THESE PARTS ARE INCLUDED IN ROTATING GROUP KIT →					
PVB10-**(Y)-3*-**-1*	248812	423324	275961	942207	239077	938276
MVB10-**(Y)-3*-**-1*						
PVB15-**(Y)-3*-**-1*				941887		938273
F6-PVB15-**(Y)-3*-**-1*						938277

NOTE
Type 'C' & 'CM' Compensator Control Parts shown. See back page for manual controls. Refer to Parts Drawing I-3243-S for 'CVP' Pressure Limiting & Load Sensing Compensator Control.

Models	□ Pintles	
	Control	Other
Handwheel	269657	265425
Lever	269658	
Compensator	265425	

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⁎ Included in Valve Plate S/A

Rotation plate shown for R.H. (CW) shaft rotation. Locate on opposite side of valve for L.H. (CCW) rotation.

MODEL	⁎ INCLUDED IN VALVE PLATE S/A
PVB10-RD(Y)-3*-H/M-10	942160
PVB10-LD(Y)-3*-H/M-10	942161
MVB10-UD(Y)-3*-H/M-10	942162
PVB15-RD(Y)-3*-H/M-10	942163
PVB15-LD(Y)-3*-H/M-10	942164
PVB10-RS(Y)-3*-C(*)-11	942165
PVB10-LS(Y)-3*-C(*)-11	942166
F6-PVB15-RS(Y)-3*-C(*)-11	942167
F6-PVB15-LS(Y)-3*-C(*)-11	942168

MODEL	◕ YOKE	HOUSING	SCREW	ROTATION PLATE
PVB1*-*D(Y)-3*-H/M-10	325689	308327	227401	195060
PVB1*-*S(Y)-3*C(*)/CM-11	342743	357652	227407	404751
MVB10-*D(Y)-3*-H/M-10	325689	308327	———	———
F6-PVB15-*S(Y)-3*-C*(*)-11	342743	398719	227407	404751

Model	Shaft	Key
VB-***-3*	261478	22971
VB-***Y-3*	270369	58303

Model Code

(F*) - * VB * - (*) * * (*) - 3* - * (*) (L) - 1*

1 2 3 4 5 6 7 8 9 10 11 12 13

1 Seals

F3 - Multi-fluid capability (Viton seals)
F6 - Soluble oil fluids

2 Model

M - Motor
P - Pump

3 Model Type

Variable displacement, inline piston unit

4 Flow rating @ 1800 rpm

10 - 10 USgpm
15 - 15 USgpm

5 Mounting

F - Foot bracket
(Omit for flange mount)

6 Rotation

Viewing from shaft end
R - Right hand (CW)
L - Left hand (CCW)
U - Either direction (Motors only)

7 Swash Plate Movement

D - Both sides of center
S - One side of center

8 Shaft

Y - Long shaft (Standard)
(Omit for short shaft)

9 Pump Design Number

10 Control Type

C - 250-3000 psi (20 USgpm)
250-2000 psi (29 USgpm)
CM - Pressure compensated (Intermediate range)
(250-1500) psi 2* USgpm units
CVP- Pressure limiter/load sensing
H - Handwheel
M - Lever

11 Compensator Variations

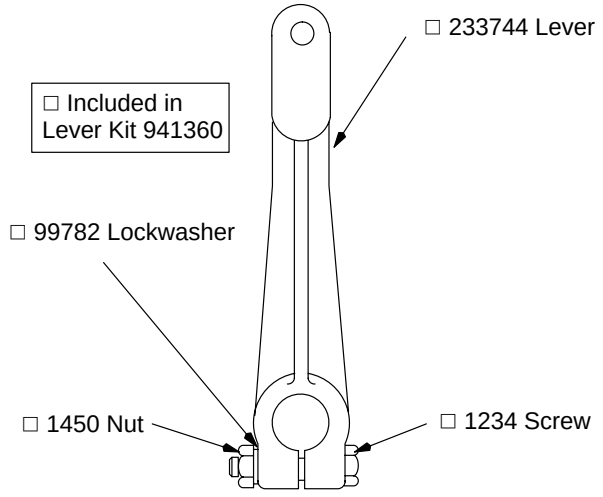
(Refer to I-3260-S for more detailed information.)
C - Adjustable maximum stop
D - Dual range (Electric control - 115 volts - 60 cycle)
DH - Dual range (Hyd. control)
E - Start-up valve

12 Control Options

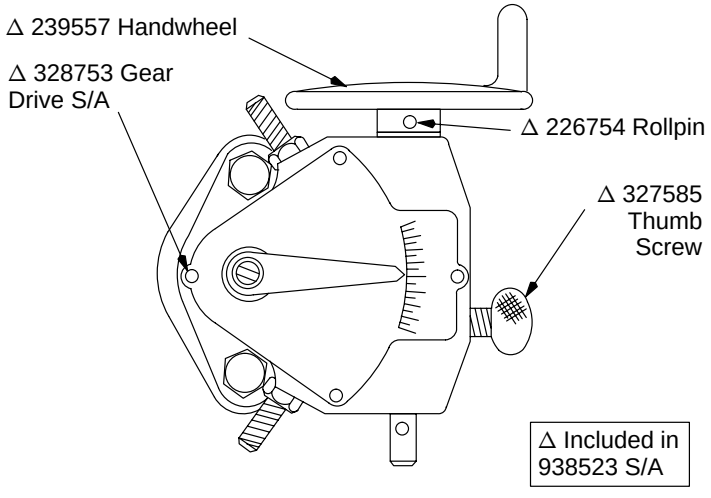
L - Left hand location
Viewing shaft end
(Omit for right hand location.)

13 Control Design Number

Manual Lever Control Model
***VB-*-(*)**(*)-3*-M(*)(*)-10**



Handwheel Control Model
***VB-*-(*)**(*)-3*-H(*)(*)-10**



For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.

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