Vickers®

Service Data

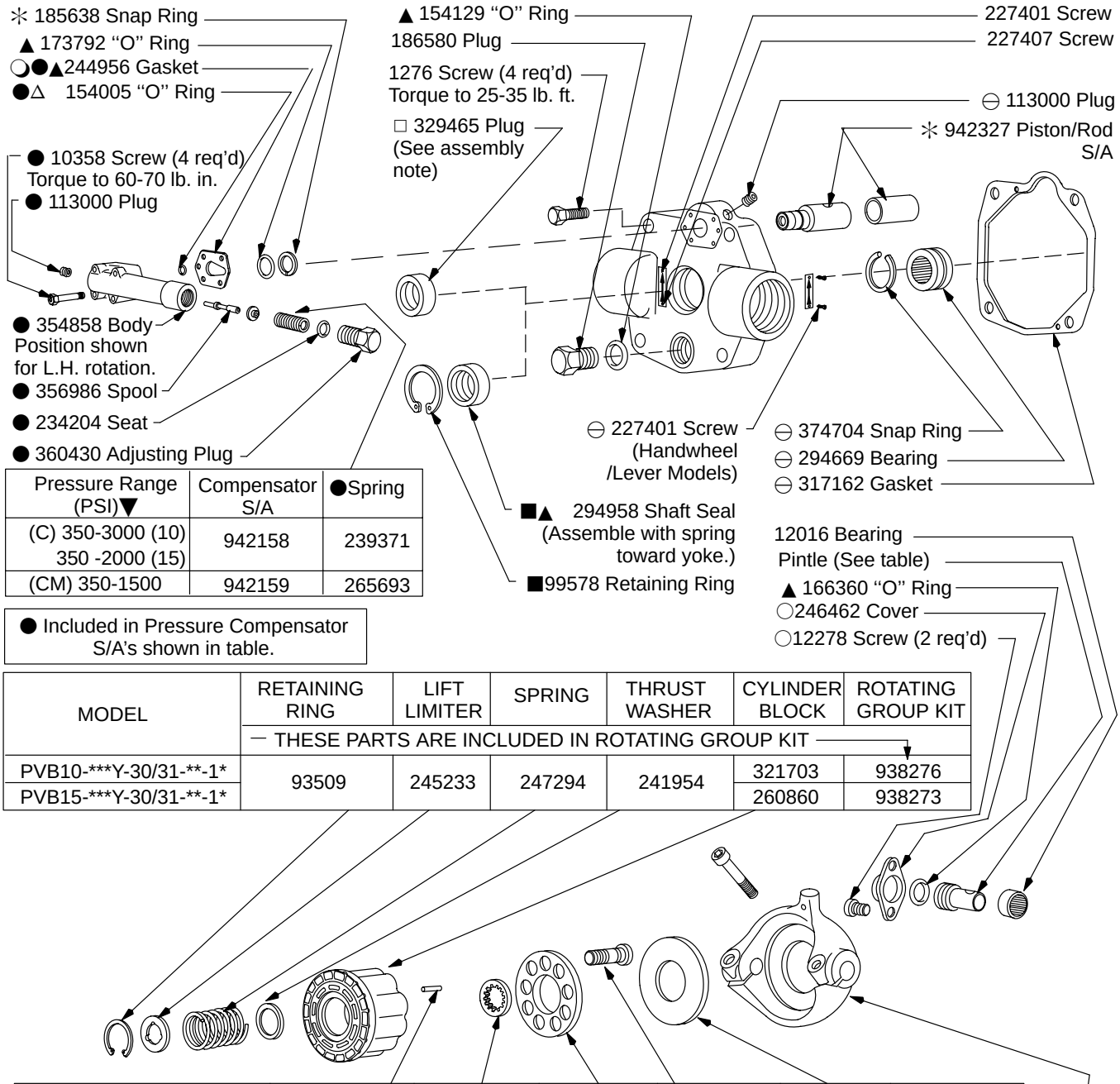
Piston Pumps

10 & 15 USgpm Variable Thru Shaft, Side Ported, Inline Piston Pumps

PVB10-(F)WY-30/31-*(*)(L)-1***
PVB10-(F)XY-30/31-*(*)(L)-1***
PVB15-(F)WY-30/31-*(*)(L)-1***
PVB15-(F)XY-30/31-*(*)(L)-1***

Model	⊖ Valve Plate S/A	⊖ Rotation Plate
PVB10-RD*Y-30/31-H/M-10	942233	195060
PVB10-LD*Y-30/31-H/M-10	942234	
PVB15-RD*Y-30/31-H/M-10	942235	
PVB15-LD*Y-30/31-H/M-10	942236	
PVB10-RS*Y-30/31-C(*)-11	942237	404751
PVB10-LS*Y-30/31-C(*)-11	942238	
PVB15-RS*Y-30/31-C(*)-11	942239	
PVB15-LS*Y-30/31-C(*)-11	942240	

▼CAUTION
Do not exceed maximum pressure values indicated.



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

● Included in Pressure Compensator S/A's shown in table.

MODEL	RETAINING RING	LIFT LIMITER	SPRING	THRUST WASHER	CYLINDER BLOCK	ROTATING GROUP KIT
	— THESE PARTS ARE INCLUDED IN ROTATING GROUP KIT →					
PVB10-***Y-30/31-**-1*	93509	245233	247294	241954	321703	938276
PVB15-***Y-30/31-**-1*					260860	938273

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-30/31-**-1*	248812	423324	275961	◆ 942229	239077	938276
PVB15-***Y-30/31-**-1*				◆ 941887		938273

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

Model	Yoke
H/M-10	325689
C(*)/CM-11	342743

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▲ Included in 919729 Seal Kit

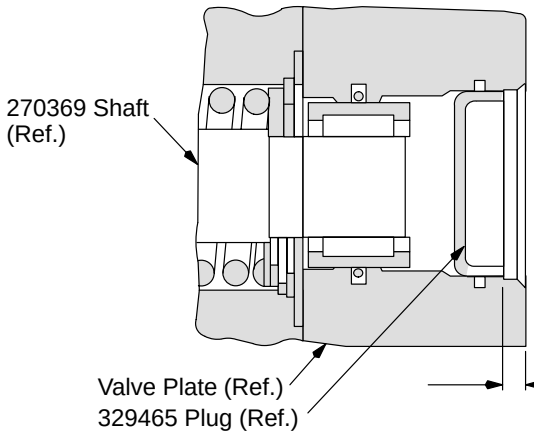
F3 Equivalent 920186 Seal Kit

○Not used on Compensator Models

◆ Piston S/A includes 9 Piston and Shoe S/A

✳ Used only on Compensator Models

⊖ Included in Valve Plate S/A



Plug Assembly Note

Make certain the 329465 Plug O.D. and the mating I.D. surface in the valve plate is clean. Apply sealing compound (Loctite A (10-1) or equivalent) to the plug O.D. and press plug into the valve plate as shown.

CAUTION

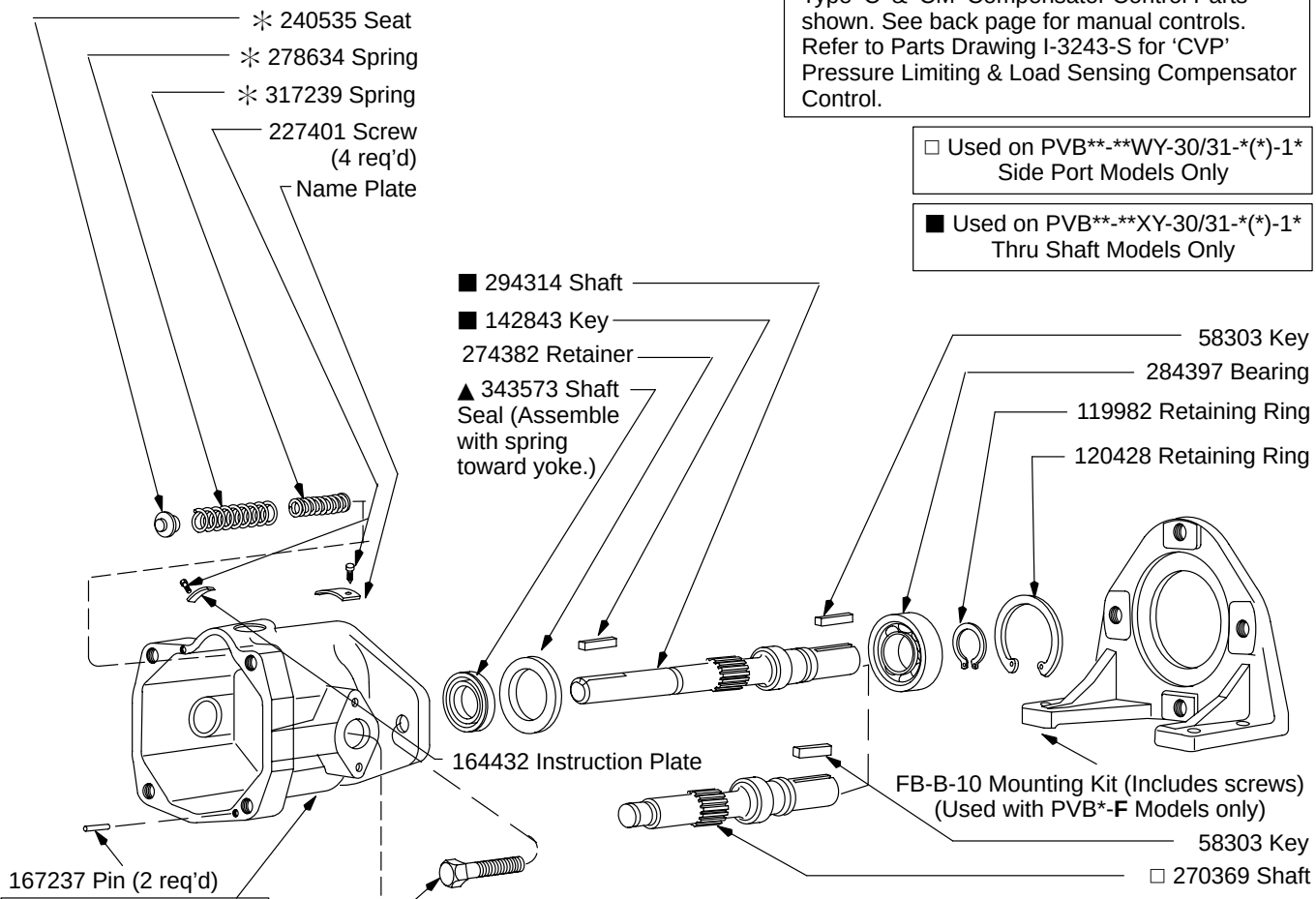
Do not allow sealing compound to contact the bearing rollers.

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.

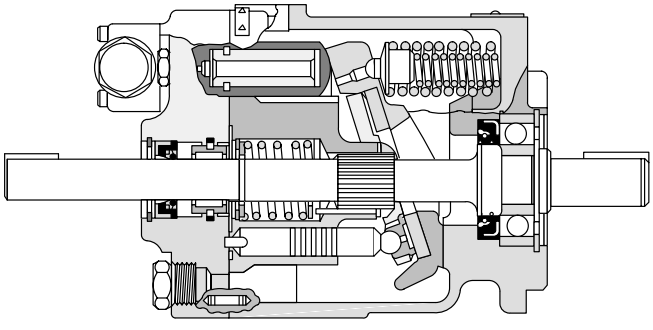
□ Used on PVB**-**WY-30/31-*(*)-1* Side Port Models Only

■ Used on PVB**-**XY-30/31-*(*)-1* Thru Shaft Models Only



Model	Housing
H/M-10	308327
C(*)/CM-11	357652

Model	Pintle	
	Control	Other
Handwheel	269657	265425
Lever	269658	
Compensator	265425	



Model Code

PVB* - (*) * * * Y - 3* - * (*) (L) - 1*

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

1 Model

Variable displacement pump, inline piston unit

2 Flow rating @ 1800 rpm

10 - 10 USgpm
15 - 15 USgpm

3 Mounting

F - Foot bracket
(Omit for flange mount)

4 Rotation

Viewing from shaft end
R - Right hand
L - Left hand

5 Swash Plate Movement

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

6 Optional Features

W -Side ports
X - Side ports-thru shaft

7 Shaft End

Y - Standard

8 Pump Design

–30/–31

9 Control Type

Pressure Compensator
C - 250-3000 psi (5 USgpm)
250-2000 psi (6 USgpm)
CM - 250-1500 psi (5-6 USgpm)
CVP- Pressure limiter load sensing
H - Handwheel
M - Lever

10 Compensator Variations

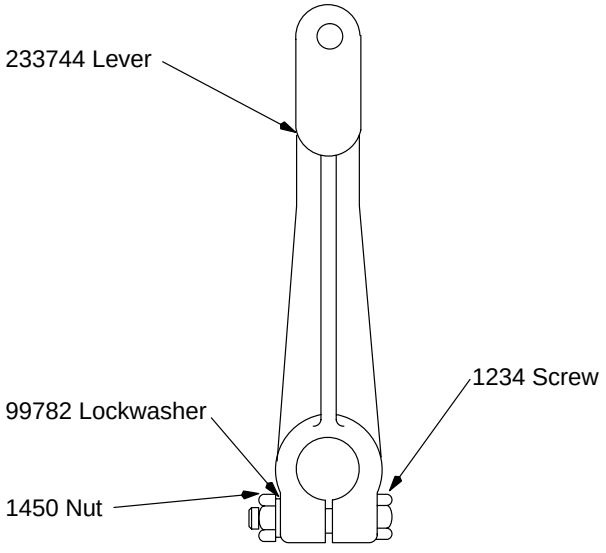
C - Adjustable Maximum Displacement Stop
(See I–3255–S)

11 Control options

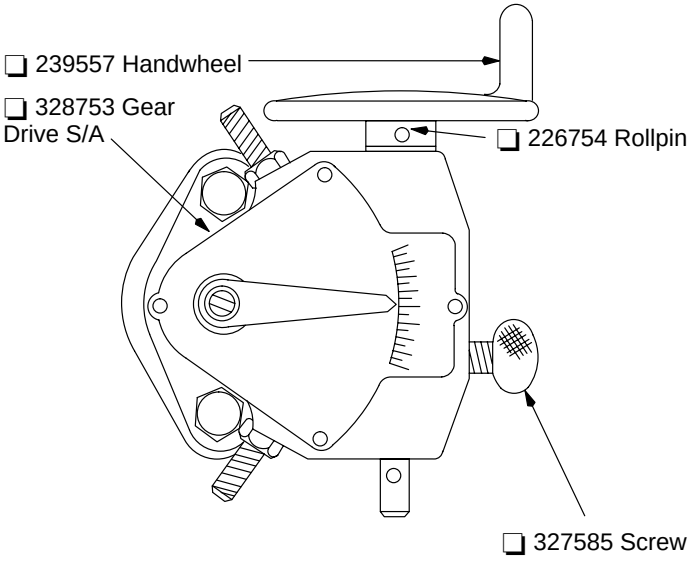
L - Left hand viewing shaft end
(Omit for right hand)

12 Control Design Number

Manual Lever Control
Model PVB*-(*)*Y-30/31-M(L)-10**



Handwheel Control
Model PVB*-(*)*Y-30/31-H(L)-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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