Service Data

Vickers®

Piston Pumps

20 & 29 USgpm Variable Thru Shaft, Side Ported, Inline Piston Pumps

PVB20-(F)*SFW-20-C(M)-11
PVB20-(F)*SFX-20-C(M)-11
PVB29-(F)*SFW-20-C(M)-11
PVB29-(F)*SFX-20-C(M)-11

Revised 05-01-87

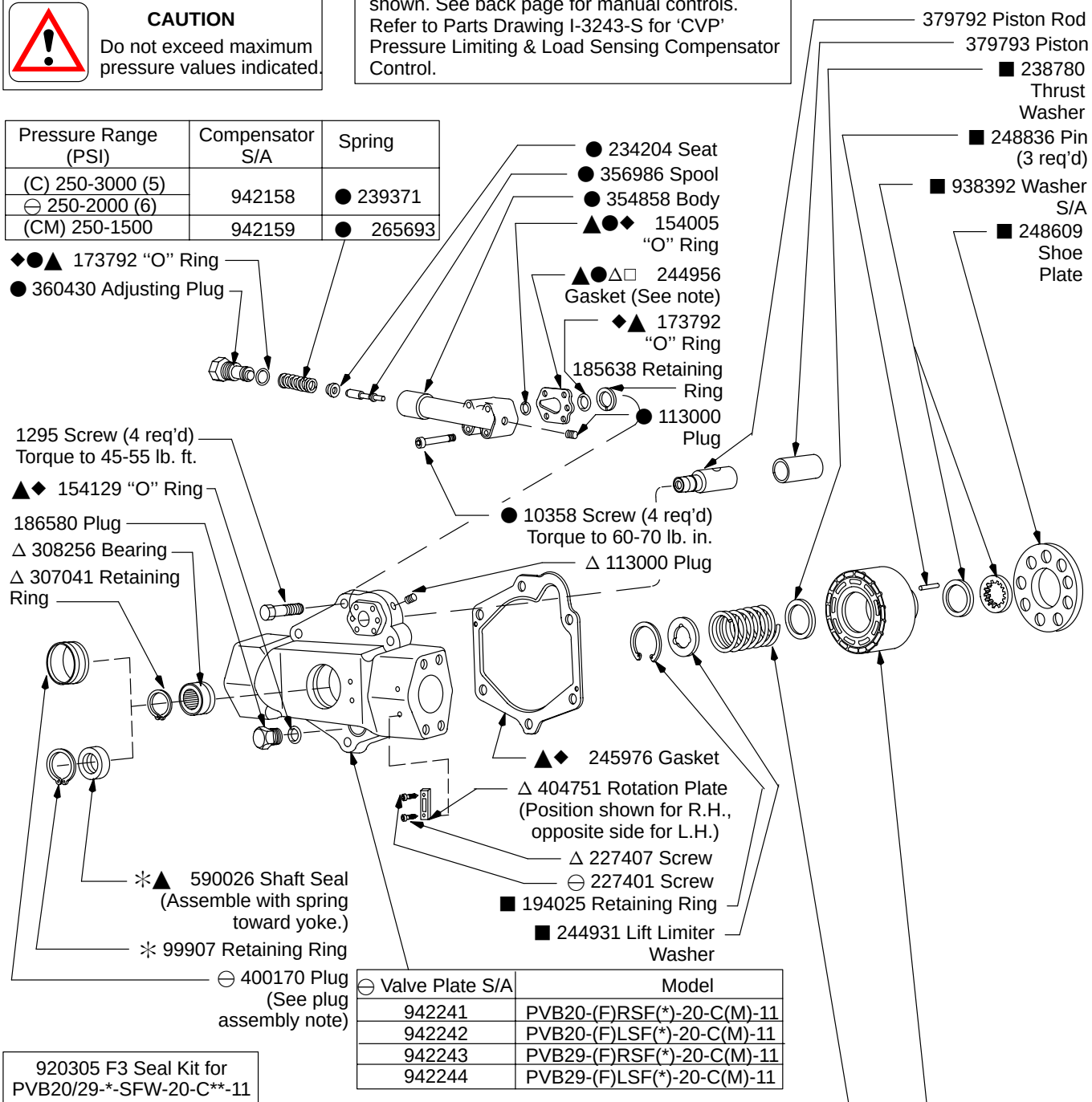
I-3293-S

⊖ Included in Valve Plate S/A

CAUTION
Do not exceed maximum pressure values indicated.

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.

Pressure Range (PSI)	Compensator S/A	Spring
(C) 250-3000 (5)	942158	● 239371
⊖ 250-2000 (6)		
(CM) 250-1500	942159	● 265693



⊖ Valve Plate S/A	Model
942241	PVB20-(F)RSF(*)-20-C(M)-11
942242	PVB20-(F)LSF(*)-20-C(M)-11
942243	PVB29-(F)RSF(*)-20-C(M)-11
942244	PVB29-(F)LSF(*)-20-C(M)-11

920305 F3 Seal Kit for PVB20/29-*-SFW-20-C**-11

919847 F3 Seal Kit for PVB20/29-*-SFX-20-C**-11

MODEL	SPRING	CYLINDER BLOCK	ROTATING GROUP KIT
PVB20-(F)*SF(*)-20-C(M)-11	246386	250688	938274
PVB29-(F)*SF(*)-20-C(M)-11	263582	259458	938275

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

▲ Included in Std Seal Kit 919498 for PVB20/29-*-SFX-20-C**-1*

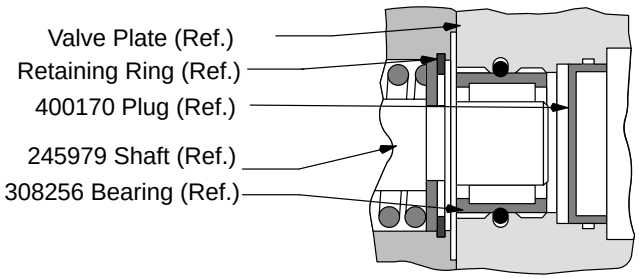
◆ Included in Std Seal Kit 919683 for PVB20/29-*-SFW-20-C**-1*

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

△ Included in 919729 Seal Kit

F3 Equivalent 920186 Seal Kit

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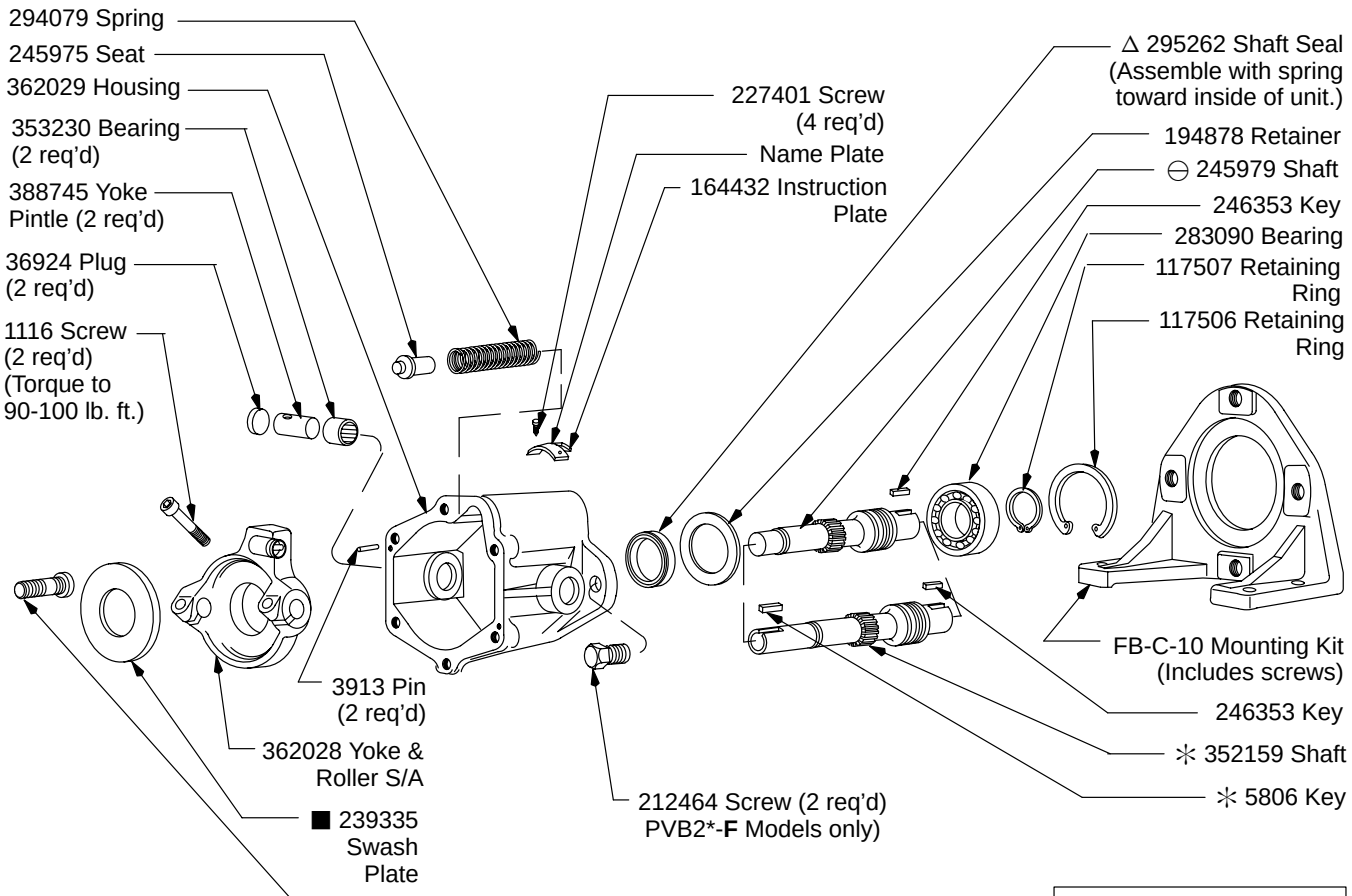


Plug Assembly Note

Make certain the 400170 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.



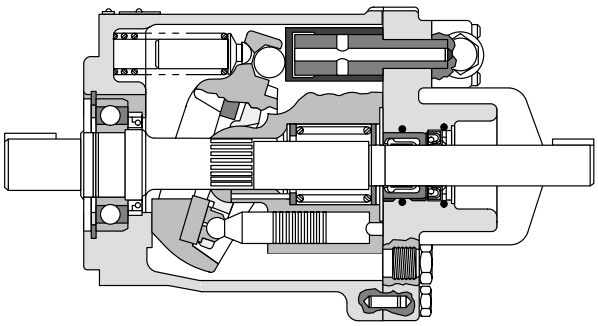
MODEL	◆PISTON S/A KIT	ROTATING GROUP KIT
PVB20-(F)*SF(*)-20-C(M)-11	941883	938274
PVB29-(F)*SF(*)-20-C(M)-11	941888	938275

■ Included in Rotating Group

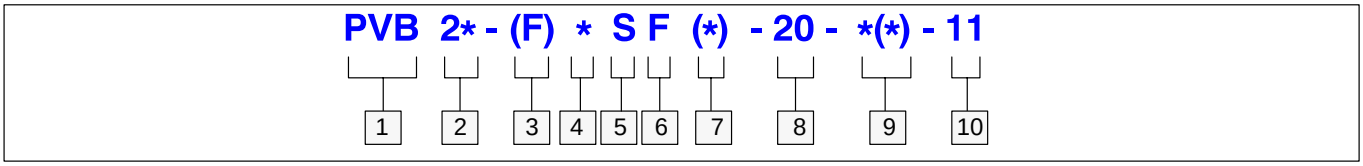
◆ Piston S/A includes 9 Piston and Shoe S/A

⊖ Used on PVB2*-(F)*SFX-20-C(M)-11 Thru Shaft Models Only

⊖ Used on PVB2*-(F)*SFW-20-C(M)-11 Side Port Models Only



Model Code



1 **Model**

Variable displacement pump, inline piston design

2 **Flow rating @ 1800 rpm**

20 - 20 USgpm
29 - 29 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**

S - One side of center

6 **Optional Features**

Flange connected

7 **Shaft End**

W -Side port
X - Thru-shaft - side port

8 **Pump Design**

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

Caution
Maximum psi setting of compensator must be limited to the values indicated.

10 **Control Design Number**

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.