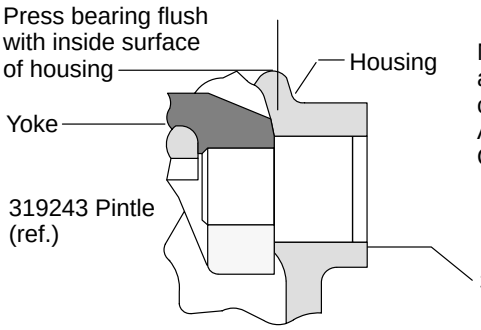
Service Data

Vickers®

Piston Pumps

Variable, Side Ported, Thru-Shaft Inline Piston Pumps 5 & 6 USgpm

PVB5-(F)W/XY-21-*(*)(*)-1***
PVB6-(F)W/XY-21-*(*)(*)-1***



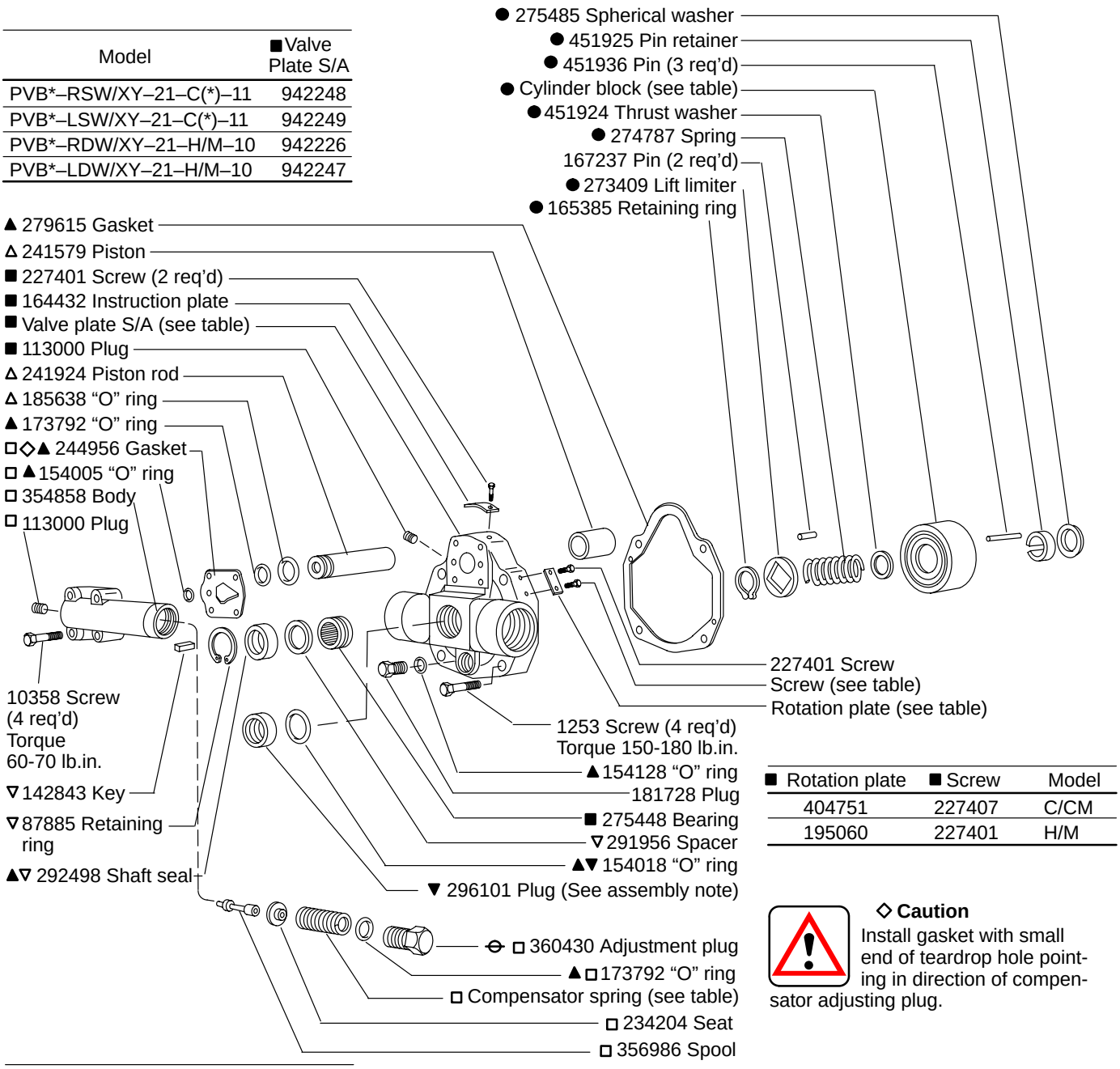
PINTLE BEARING ASSEMBLY NOTE

Make certain the bearing O.D. surface and the mating surface in the housing is clean. Apply sealing compound (Loctite A (10-1) or equivalent) to the bearing O.D. and press in place.

CAUTION

Do not allow sealing compound to contact the bearing needles.

Model	■Valve Plate S/A
PVB*–RSW/XY–21–C(*)–11	942248
PVB*–LSW/XY–21–C(*)–11	942249
PVB*–RDW/XY–21–H/M–10	942226
PVB*–LDW/XY–21–H/M–10	942247



■ Rotation plate	■ Screw	Model
404751	227407	C/CM
195060	227401	H/M

◇ Caution

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

Pressure Range (psi)		Kit	Spring
(C)	250–3000 (PVB5)	942158	239371
⊖	250–2000 (PVB6)		
(CM)	250–1500	942159	265693

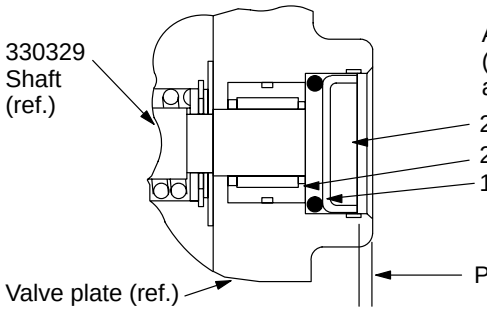
⊖ Caution

VB6 compensator adjustment must not exceed 2000 psi.

Type C & CM compensator control parts are shown. Refer to back page for manual controls and I–3243–S for CVP pressure limiting & load sensing controls.

- ▲ Included in 919409 Seal kit F3 equivalent 920159
- ■ Included in Valve Plate S/A
- □ Included in Pressure Compensator Kit
- ● Include in Rotating Group
- ▼ PVB*-**WY-** Side ported only
- ▽ PVB*-**XY-** Thru shaft only
- △ Used with compensator control only

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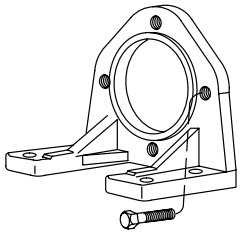


PLUG ASSEMBLY NOTE

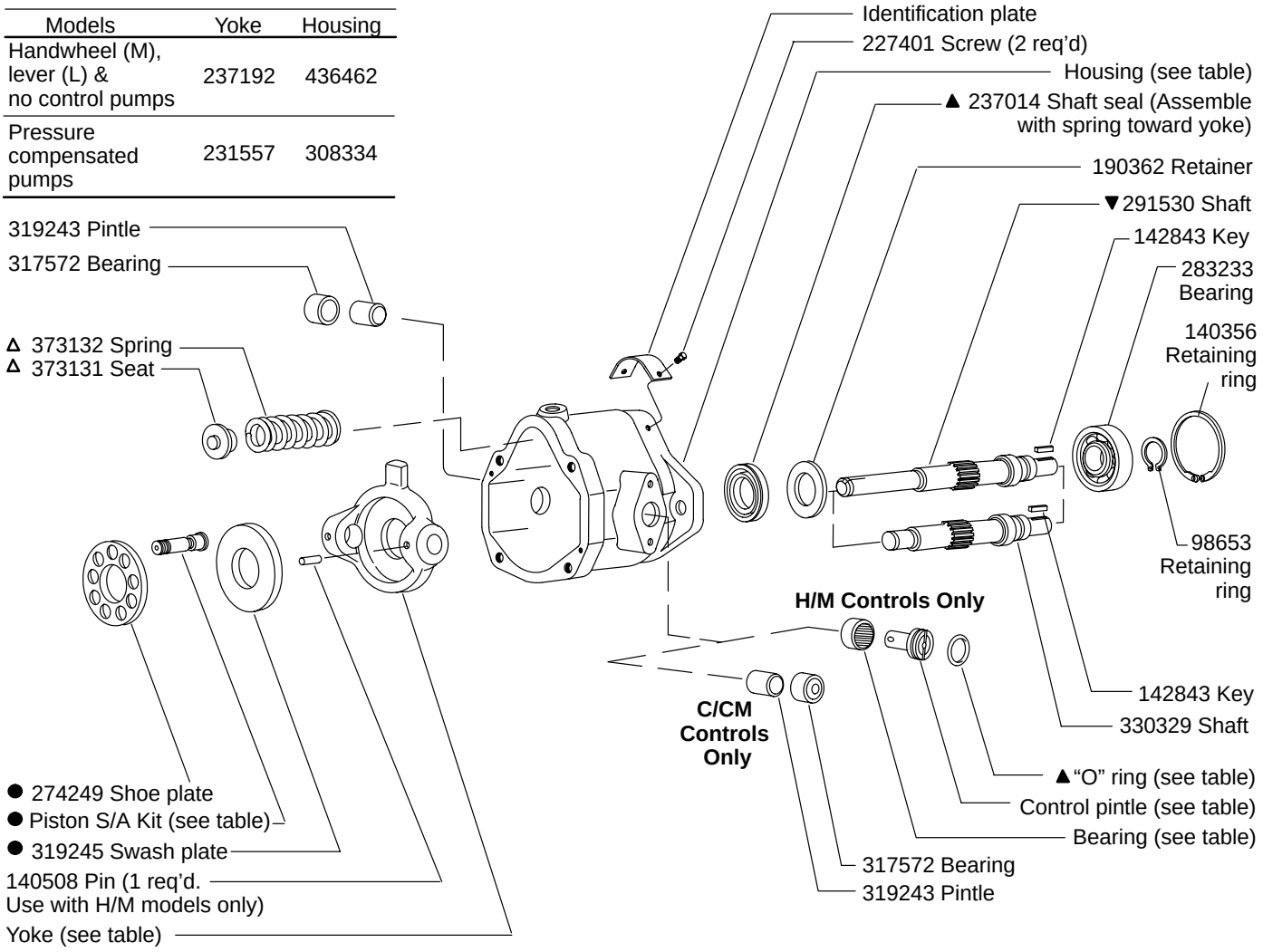
Apply sealing compound (Loctite A (10-1) or equivalent) to the plug O.D. and press in place.

FOOT BRACKET OPTION

FB–A–10 Mounting kit
(Includes screws)

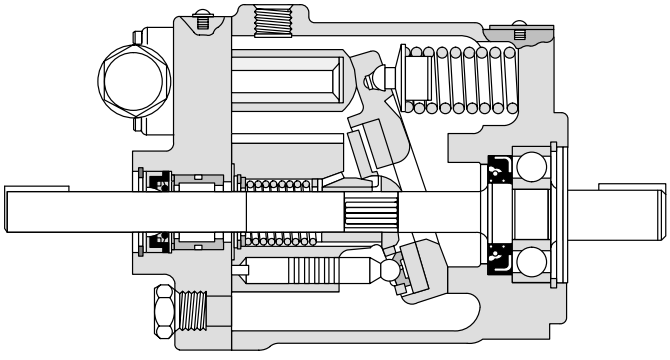


Models	Yoke	Housing
Handwheel (M), lever (L) & no control pumps	237192	436462
Pressure compensated pumps	231557	308334



Bearing	Control Pintle	“O”ring	Model
242222	237191	200088	H–10
	237433		M–10

Cylinder Block	Piston S/A Kit	Rotating Group	Model
677061	942229	875775	PVB5
677060	942230	875773	PVB6



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 filters series are recommended.

Model Code

PVB ∗ - (F) ∗ ∗ ∗ Y - 21 ∗ (∗) (∗) - 1∗

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

1 Variable displacement in-line piston unit

2 USgpm flow rating @1800 rpm

5 - 5 USgpm
6 - 6 USgpm

3 Mounting

F - Foot bracket
(Omit for flange mount)

4 Rotation (Viewed 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 - Thru shaft

7 Shaft end

Y - Standard

8 Pump design

9 Control type

Pressure Compensator

C - 250-3000 psi (PVB5)
250-2000 psi (PVB6)
CM - 250-1500 psi (PVB5 & 6)
CVP - Pressure limiter load sensing

H - Handwheel
M - Lever

10 C – Adjustable maximum displacement stop

(Pressure compensated models only- See I–3255–S)

11 Other controls or options

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

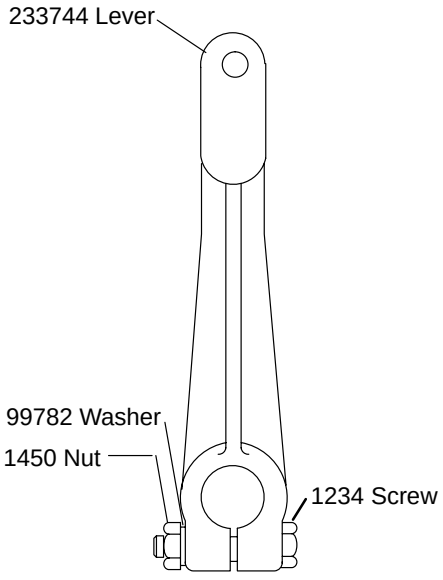
Compensator variations

D - Dual-range (electric control 115 volts-60 cycle
DH - Dual-range (hydraulic control)
G - Hydraulic remote (left hand only except CCG models)

12 Control design number

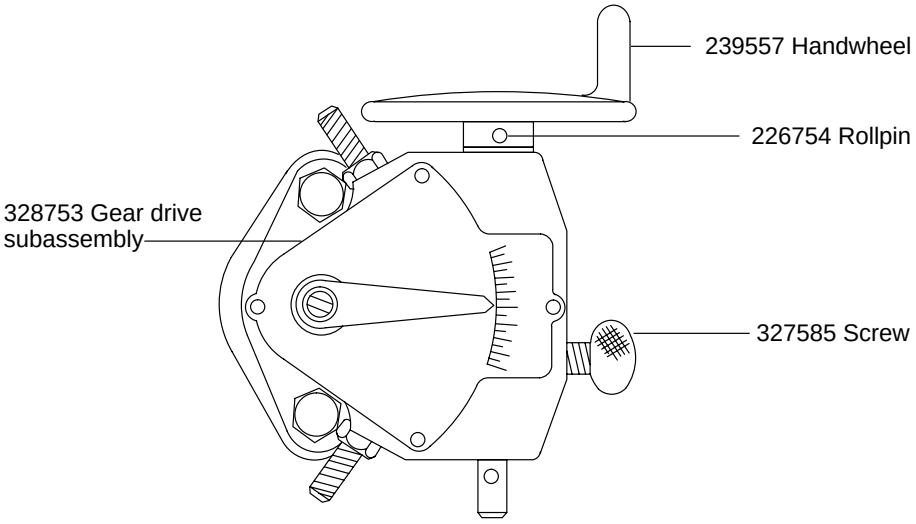
Manual Lever Control (M)

Parts shown included in 941360 kit



Handwheel Control (H)

Parts shown included in 938523 kit



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