

Vickers®

Service Data

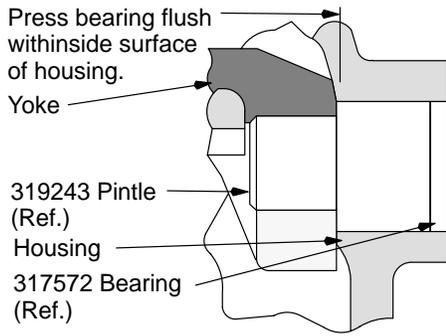
Piston Pumps



Variable, Side Ported, 5 & 6 USgpm Inline Piston Pumps

PVB5-(F)**W/XY-20-*(*)-1*

PVB6-(F)**W/XY-20-*(*)-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.

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.

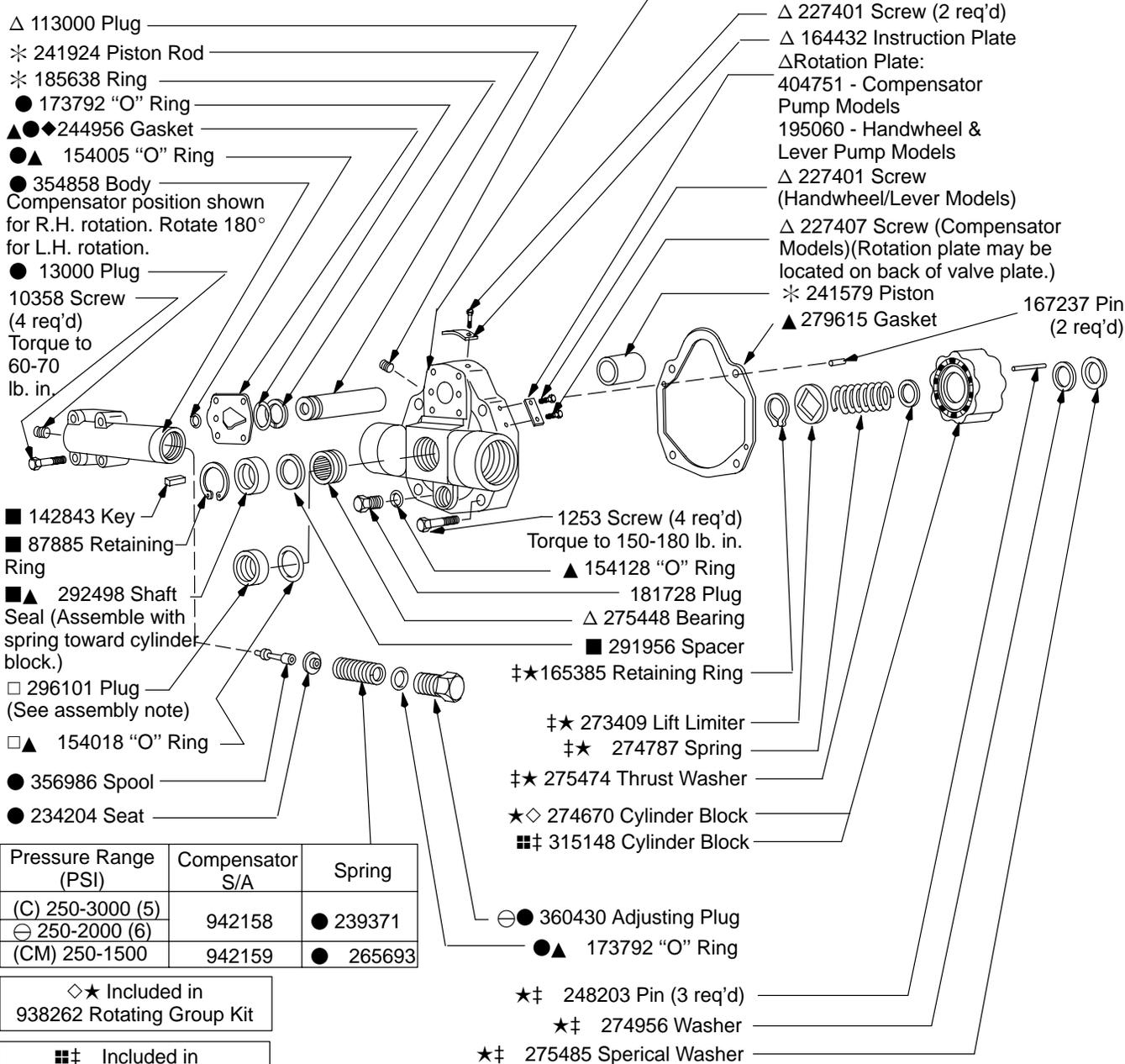
● Included in pressure compensator S/A's shown in table.

△ Included in Valve S/A Plate

CAUTION
 Model PVB6 compensator pressure adjustment shall not exceed 2000 psi.

Model	Valve Plate S/A
PVB*-(F)RD*Y-20-H/M-10	942226
PVB*-(F)LD*Y-20-H/M-10	942247
PVB*-(F)RS*Y-20-C(M)-11	942248
PVB*-(F)LS*Y-20-C(M)-11	942249

◇ Use on "B5" models.
 ■ Use on "B6" models.



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

◇★ Included in 938262 Rotating Group Kit

■‡ Included in 938264 Rotating Group Kit

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

▲ Included in 919409 Seal Kit
 F3 equivalent Seal Kit 920159

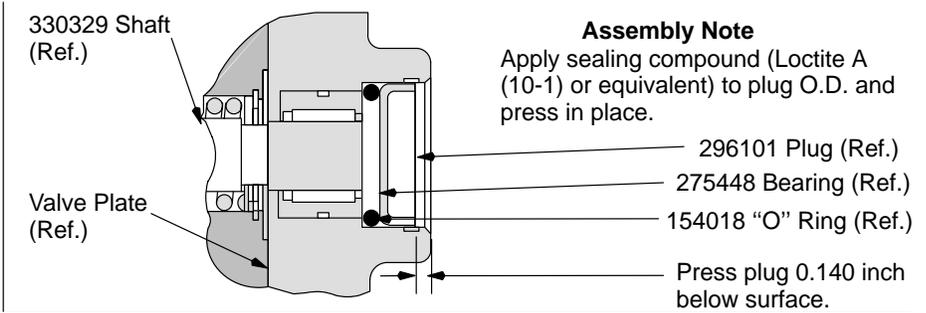
*Used with Compensator Control only

■ Used on PVB*-**XY-20-*(*)-1* Thru Shaft Models only.

□ Used on PVB*-**WY-20-*(*)-1* Side Port Models only.

■ Use on "B6" models.

◇ Use on "B5" models.



319243 Pintle
317572 Bearing
See Pintle Bearing Assembly Note

Model	*Seat	*Spring
PVB*-S*Y-**-C/CM	373131	373132

○ Part of FB-A-10 Mounting Kit

▲ 237014 Shaft Seal (Assemble with spring toward yoke.)

190362 Retainer

142843 Key

283233 Bearing

98653 Retaining Ring

140356 Retaining Ring

○ 126315 Bracket (F Models)

○ 177939 Screw (2 req'd)

142843 Key

□ 330329 Shaft

■ 291530 Shaft

Identification Plate
227401 Screw (2 req'd)

‡★ 274249 Shoe Plate

◇★ 942229 Piston S/A Kit

■‡ 942230 Piston S/A Kit

‡★ 319245 Swash Plate

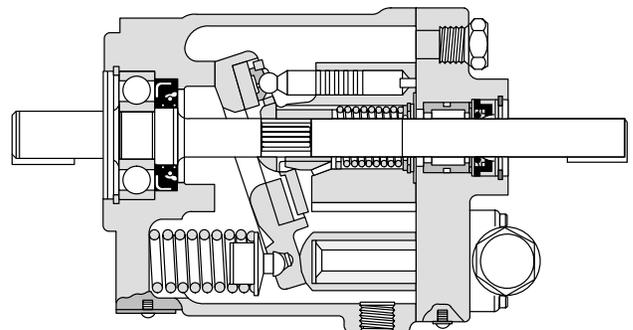
140508 Pin (1 req'd)
(Use with H/M model only)

Pintle	Bearing	Model
319243	317572	C/CM

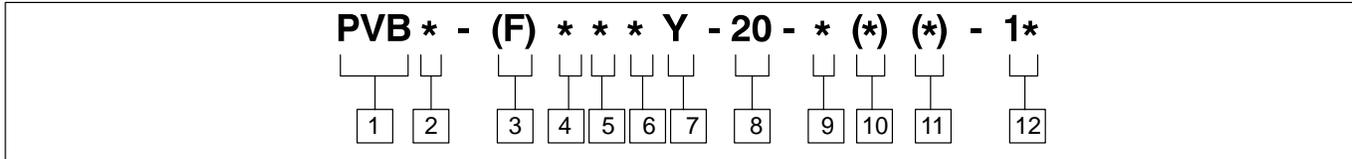
See Pintle Bearing Assembly Note

Model	Bearing	Control Pintle	▲ "O" Ring
H-10	242222	237191	200088
M-10		237433	

Model	Yoke	Housing
PVB*-D*Y-20-H/M-10	237192	308334
PVB*-S*Y-20-C(*)-11	231557	



Model Code



1 Model
Pump, variable displacement, inline piston unit

2 Flow rating @ 1800 rpm
5 - 5 USgpm
6 - 6 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

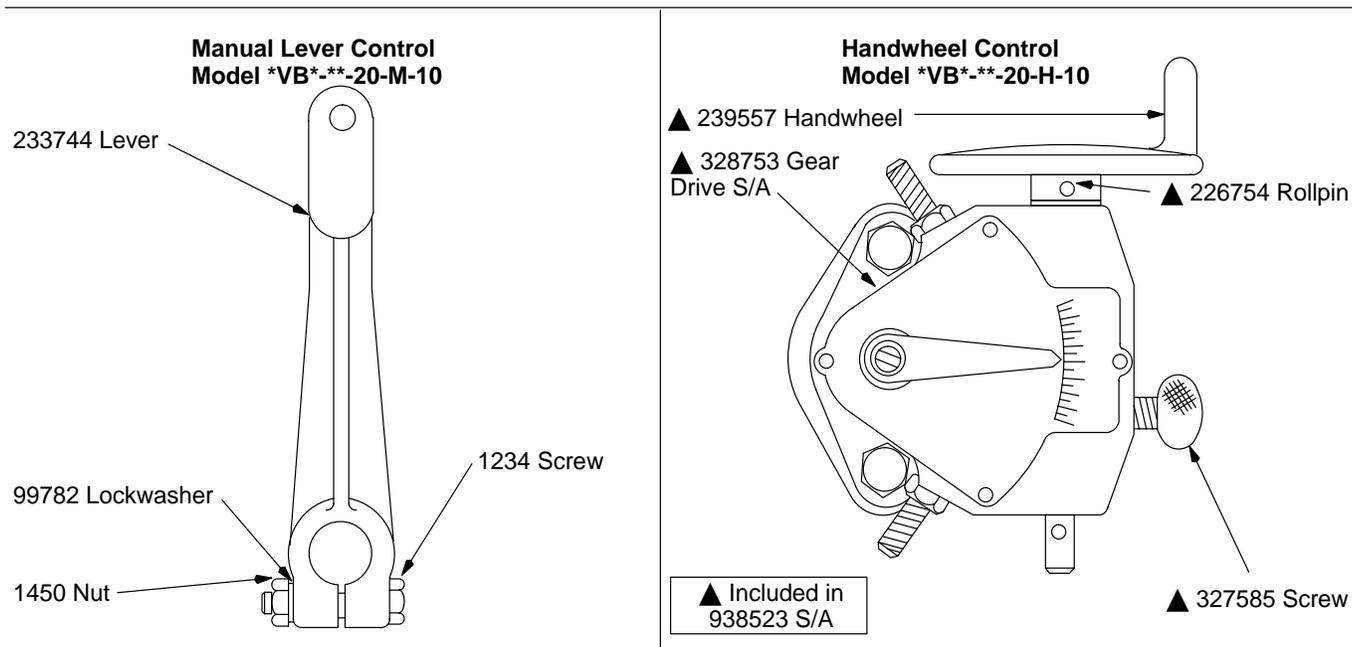
8 Pump Design

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 Optional Features
C - Adjustable Maximum Displacement Stop
(Pressure Compensated Models only See I-3255-S)

11 Compensator Variations
D - Dual-range (Electric control 115 volts-60 cycle)
DH - Dual-range (Hydraulic control)
G - Hydraulic remote (L.H. only except CCG models)
Other control or options:
L - Left hand viewing shaft end
(Omit for right hand)

12 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.