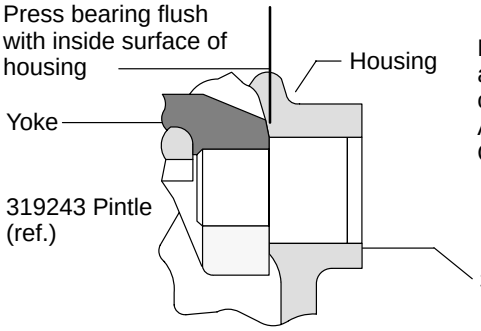
Service Data

Vickers®

Piston Pumps & Motors

Variable Inline Piston Units 5 & 6 USgpm

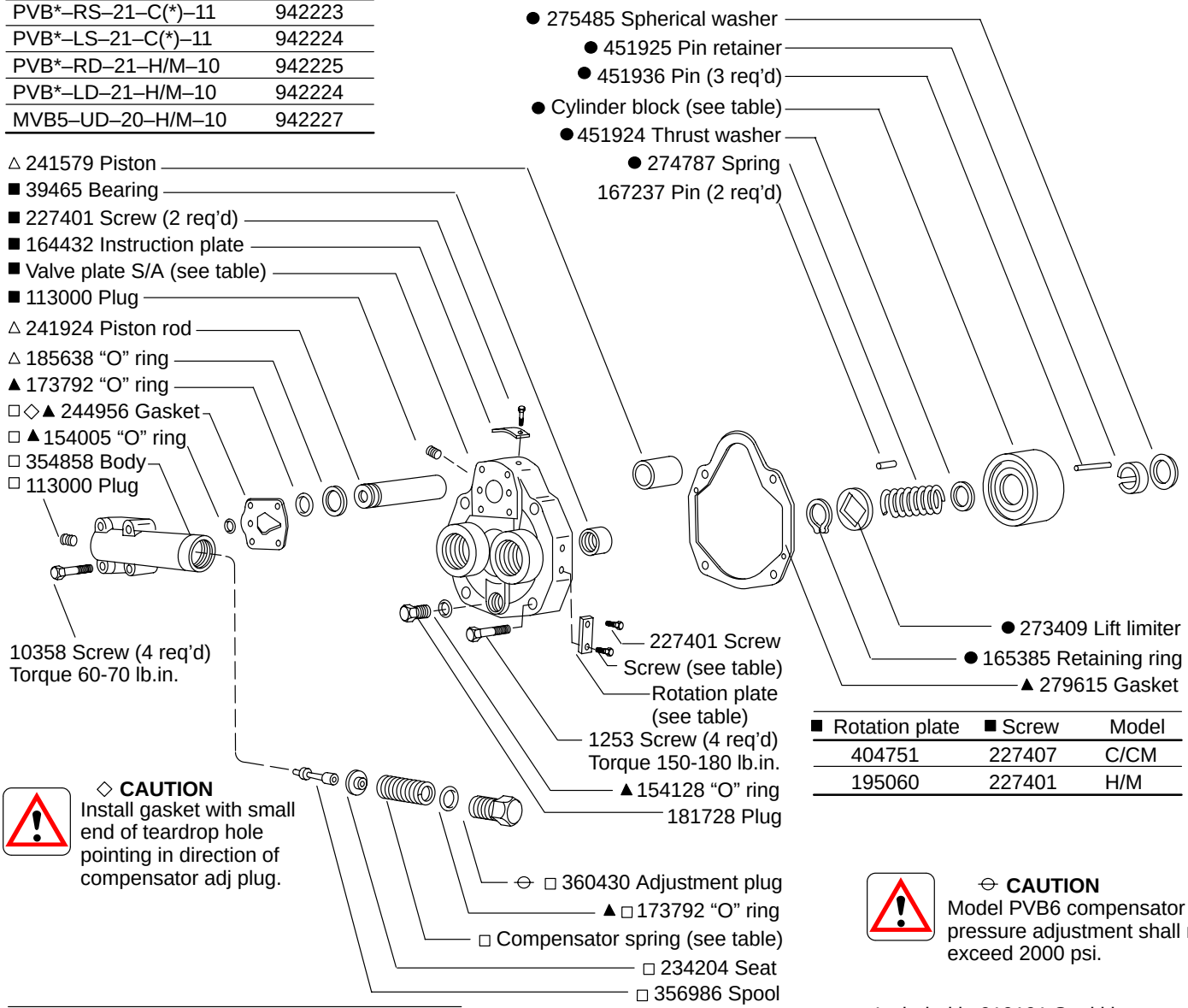
MVB5-(F)UDY-21-*(L)-10
PVB5-(F)Y-21-*(C)(*)-1***
PVB6-(F)Y-21-*(C)(*)-1***



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*–RS–21–C(*)–11	942223
PVB*–LS–21–C(*)–11	942224
PVB*–RD–21–H/M–10	942225
PVB*–LD–21–H/M–10	942224
MVB5–UD–20–H/M–10	942227



■ 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 adj plug.

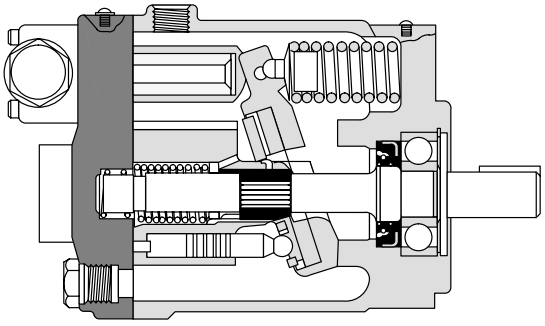
⊖ **CAUTION**
Model PVB6 compensator pressure adjustment shall not exceed 2000 psi.

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

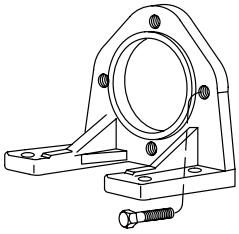
Type C & CM compensator control parts are shown. Refer to back page for manual controls and I–3243-S for CVP pressure limiting & load sensing controls.

▲ Included in 919191 Seal kit
F3 equivalent 919308
■ Included in Valve Plate S/A
□ Included in Pressure Compensator Kit
● Included in Rotating Group
△ Used with compensator control only

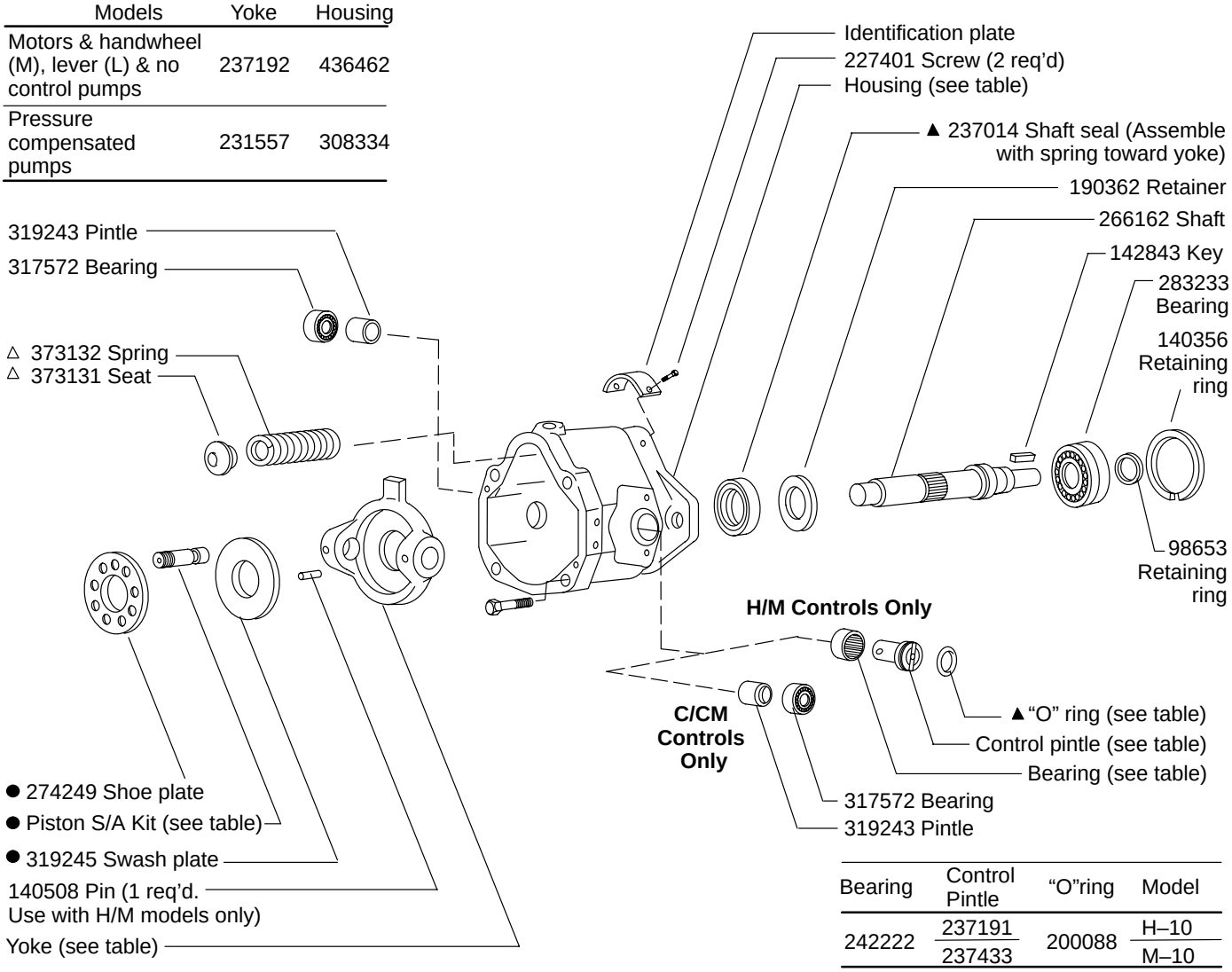
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FOOT BRACKET OPTION
FB–A–10 Mounting kit
(Includes screws)



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

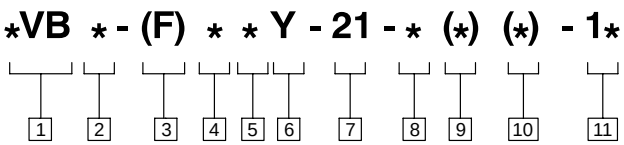


Bearing	Control Pintle	"O"ring	Model
242222	237191	200088	H–10
	237433		M–10

Cylinder Block	Piston S/A Kit	Rotating Group	Model
677061	942229	875775	PVB5
677059	942229	875772	MVB5
677060	942230	875773	PVB6

NOTE
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



1 **Variable displacement in-line piston unit**

P – Pump
M – Motor

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)

L – Left hand
R – Right hand
U – Either direction (Motor only)

5 **Swash plate movement**

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

6 **Shaft end**

Y – Standard

7 **Pump design**

8 **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

9 **C – Adjustable maximum displacement stop**

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

10 **Other controls or options**

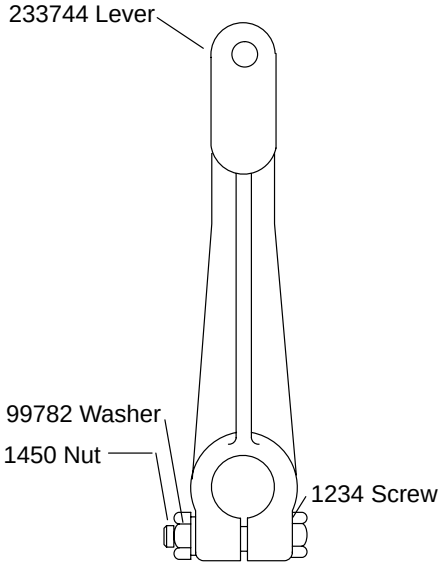
L – Left hand viewing shaft end
(Omit for right hand models)

Compensator variations
D – Dual-range (electric control 115 volts-60 cycle
DH – Dual-range (hydraulic control)

11 **Control design number**

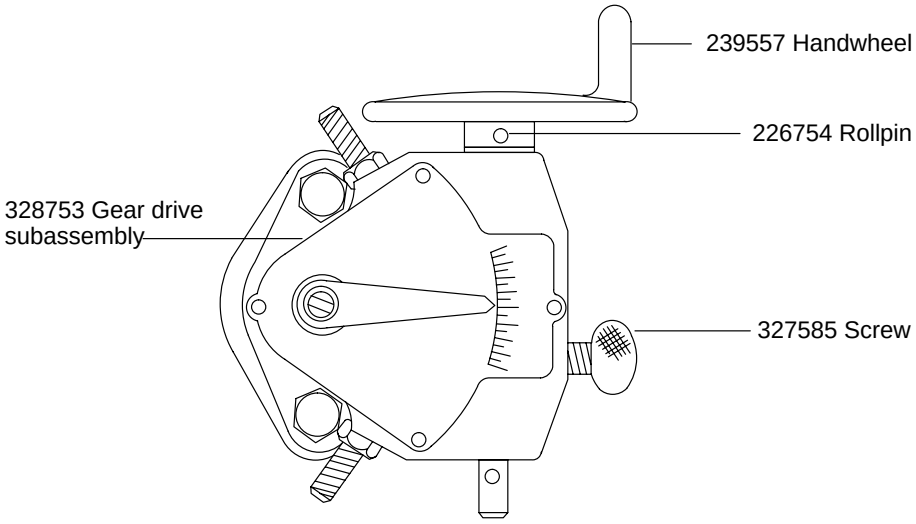
Manual Lever Control (M)

Parts shown included in 941360 kit



Handwheel Control (H)

Parts shown included in 938523 kit



Printed in U.S.A.