Vickers®

Service Data

Piston Pumps

Variable Inline Piston Pump

PVB45-(F)*SFW-20-C(*)-(*)-11(S67)
PVB45-(F)*SFX-20-C(*)-(*)-11(S67)

Revised 09-01-85

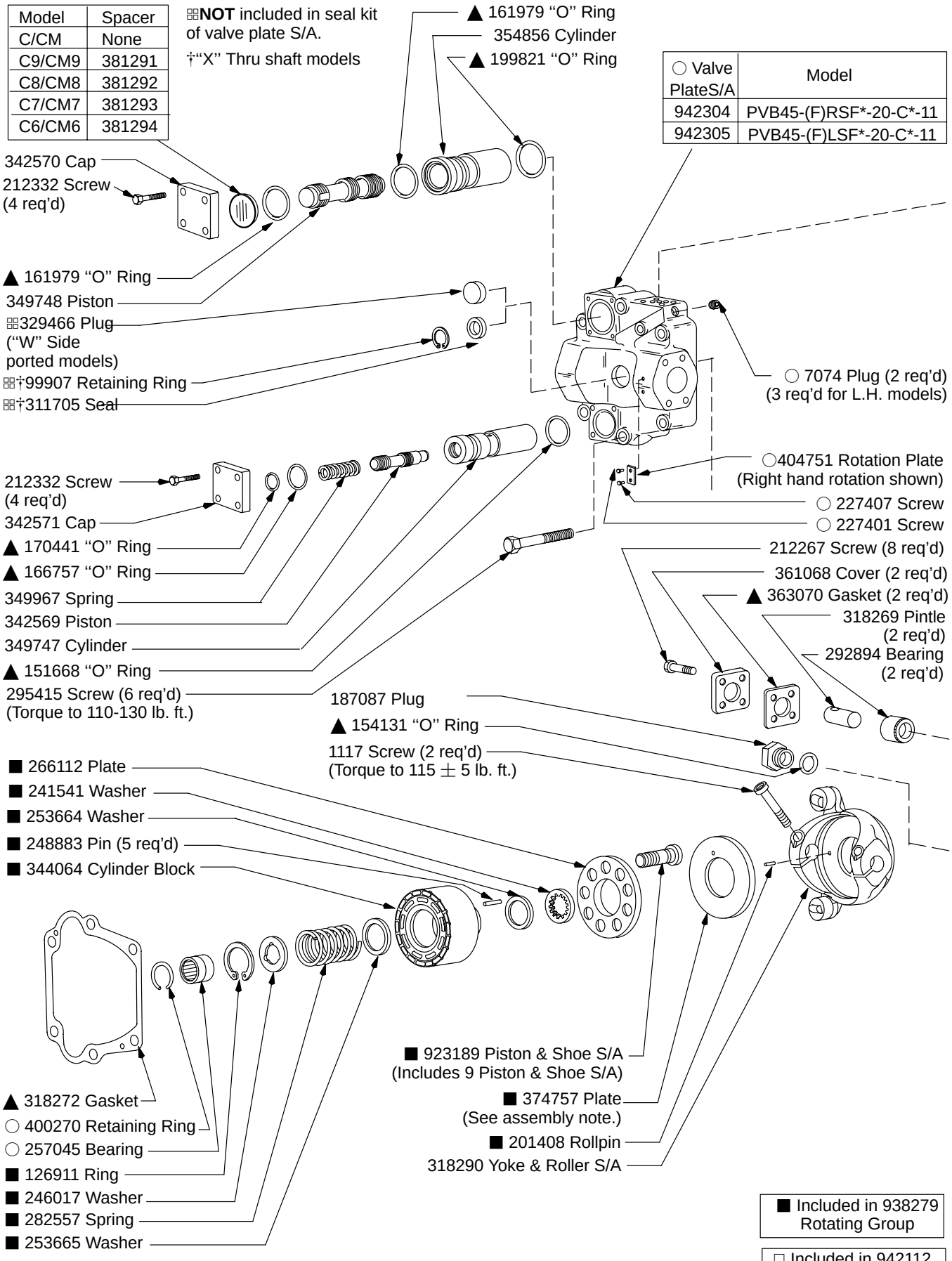
I-3297-S

Model	Spacer
C/CM	None
C9/CM9	381291
C8/CM8	381292
C7/CM7	381293
C6/CM6	381294

NOT included in seal kit of valve plate S/A.

†"X" Thru shaft models

○ Valve PlateS/A	Model
942304	PVB45-(F)RSF*-20-C*-11
942305	PVB45-(F)LSF*-20-C*-11

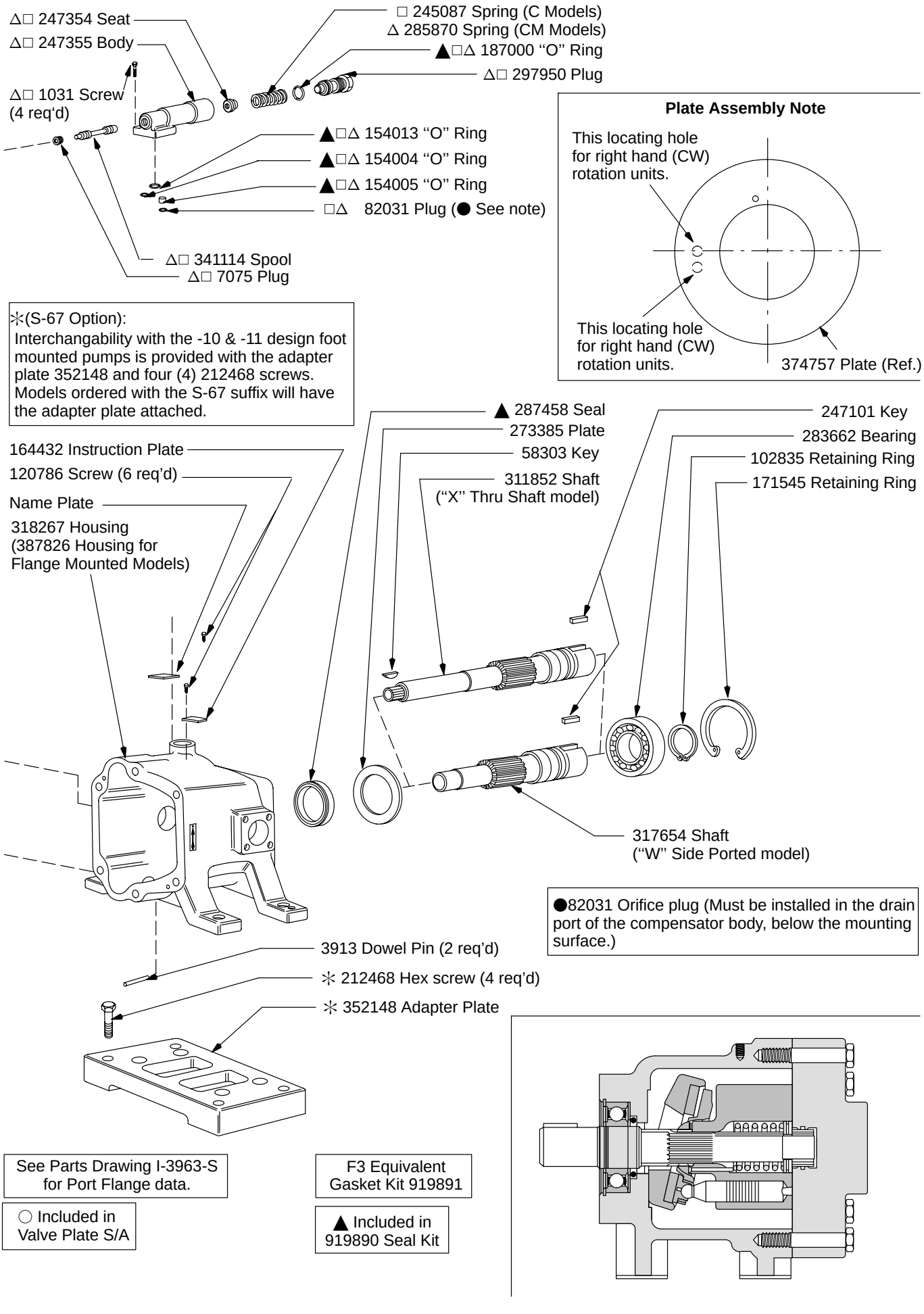


■ Included in 938279 Rotating Group

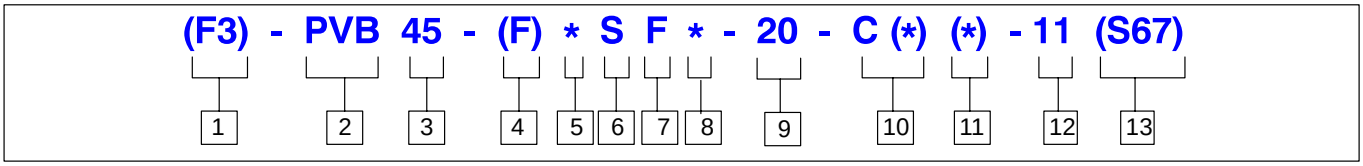
□ Included in 942112 "C" Compensator S/A

□ Included in 942133 "CM" Compensator S/A

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△□ 247354 Seat
△□ 247355 Body
△□ 1031 Screw
(4 req'd)
□ 245087 Spring (C Models)
△ 285870 Spring (CM Models)
▲□△ 187000 "O" Ring
△□ 297950 Plug
▲□△ 154013 "O" Ring
▲□△ 154004 "O" Ring
▲□△ 154005 "O" Ring
□△ 82031 Plug (● See note)
△□ 341114 Spool
△□ 7075 Plug
Plate Assembly Note
This locating hole for right hand (CW) rotation units.
This locating hole for right hand (CW) rotation units.
374757 Plate (Ref.)
⁎(S-67 Option):
Interchangability with the -10 & -11 design foot mounted pumps is provided with the adapter plate 352148 and four (4) 212468 screws. Models ordered with the S-67 suffix will have the adapter plate attached.
▲ 287458 Seal
273385 Plate
58303 Key
311852 Shaft
("X" Thru Shaft model)
247101 Key
283662 Bearing
102835 Retaining Ring
171545 Retaining Ring
164432 Instruction Plate
120786 Screw (6 req'd)
Name Plate
318267 Housing
(387826 Housing for Flange Mounted Models)
317654 Shaft
("W" Side Ported model)
●82031 Orifice plug (Must be installed in the drain port of the compensator body, below the mounting surface.)
3913 Dowel Pin (2 req'd)
⁎ 212468 Hex screw (4 req'd)
⁎ 352148 Adapter Plate
See Parts Drawing I-3963-S for Port Flange data.
○ Included in Valve Plate S/A
F3 Equivalent Gasket Kit 919891
▲ Included in 919890 Seal Kit

Model Code



1 **Special Seals**

F3 - Multi-fluid capability
Viton seals

2 **Model**

Variable displacement pump,
USgpm inline series

3 **Flow rating @ 1800 rpm**

45 - 45 USgpm

4 **Mounting**

F - Foot bracket
(Omit for flange mount)

5 **Rotation**

Viewing from shaft end
L - Left hand (CCW)
R - Right hand (CW)

6 **Swash Plate Movement**

S - One side of center

7 **Port Connections**

F - SAE 4-bolt flange

8 **Optional Features**

W -Side port
X - Thru shaft

9 **Pump Design**

10 **Control Type**

C - Compensator (250-3000 psi)
CM - Compensator (150-1500 psi)

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

11 **Compensator Control Spacers**

Omitted - 100% flow
9 - 90% flow
8 - 80% flow
7 - 70% flow
6 - 60% flow

12 **Control Design**

13 **Option**

Adapter plate interchangeability between 10 and 11 design foot mounted models.

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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