Parker Hydraulics

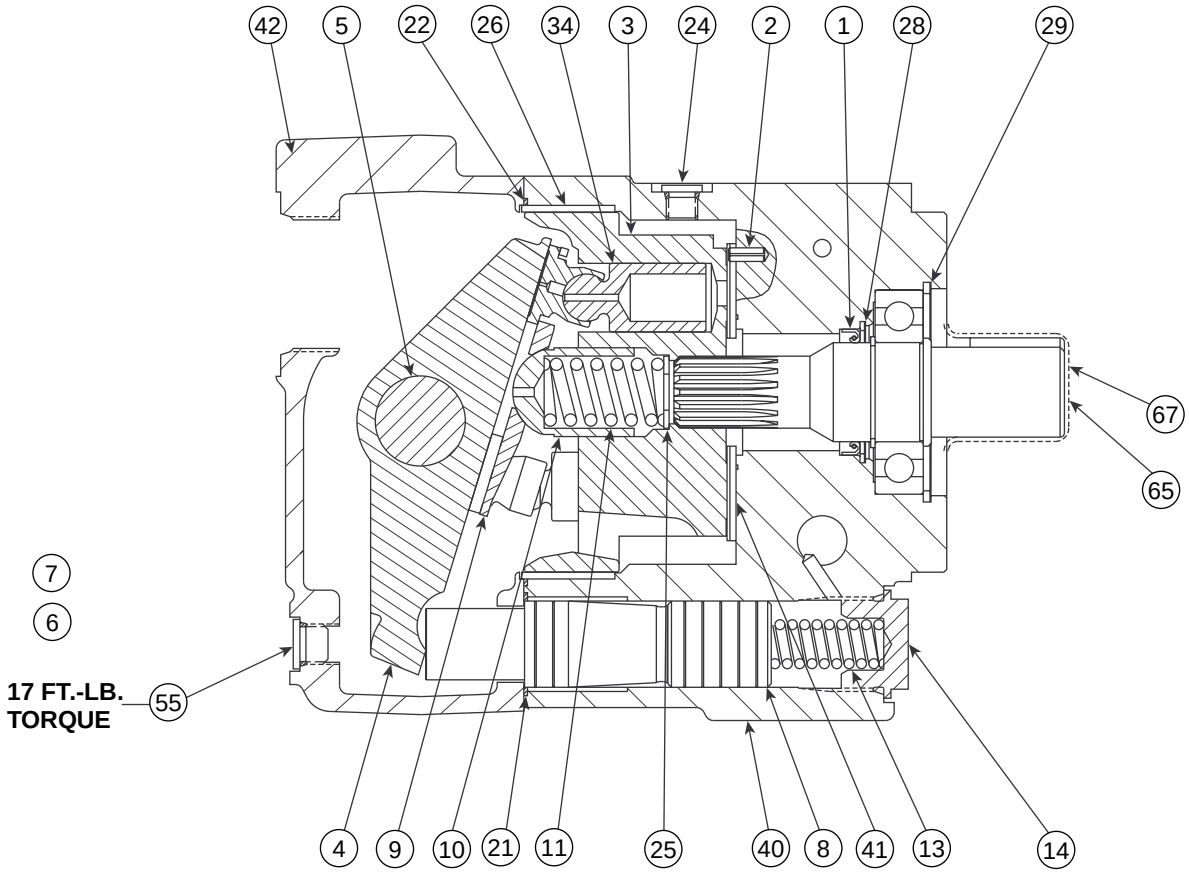
PM 3141-04

Service Parts Guide

Effective: February, 1996

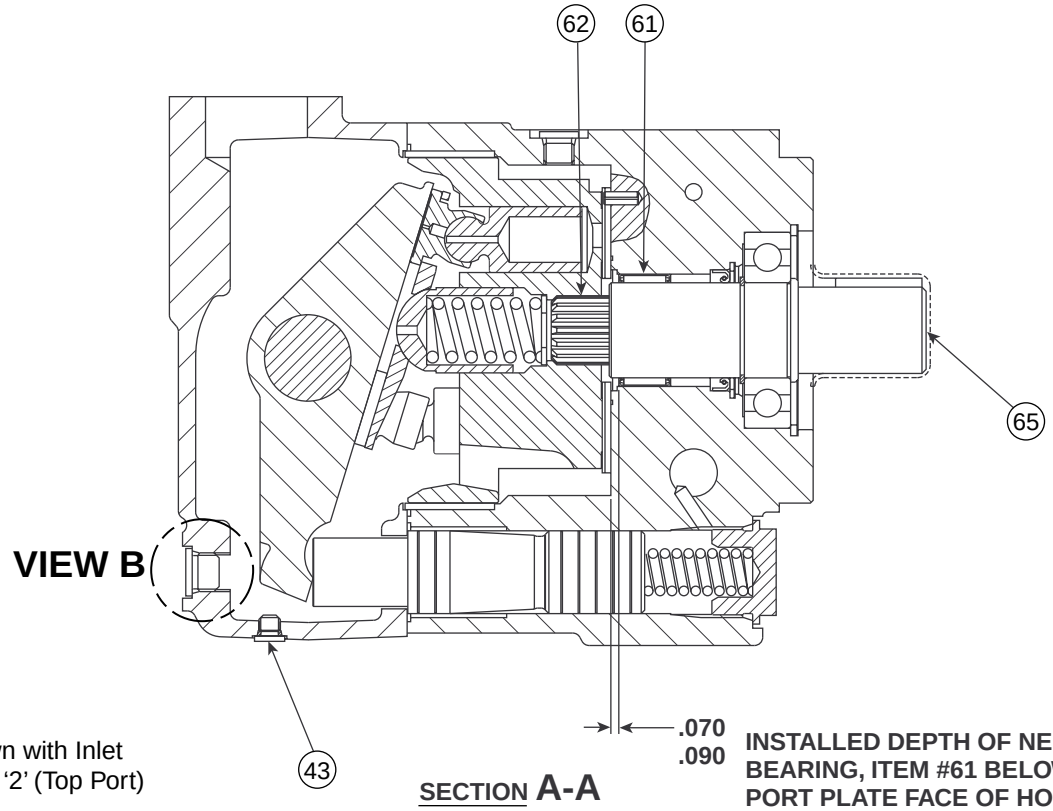
PAVC SERIES VARIABLE VOLUME PISTON PUMP

Model PAVC 65 * * * * 13



SECTION **A-A**

NOTE:
Pump shown with Inlet
Port Option 'Omit' (Rear Port)

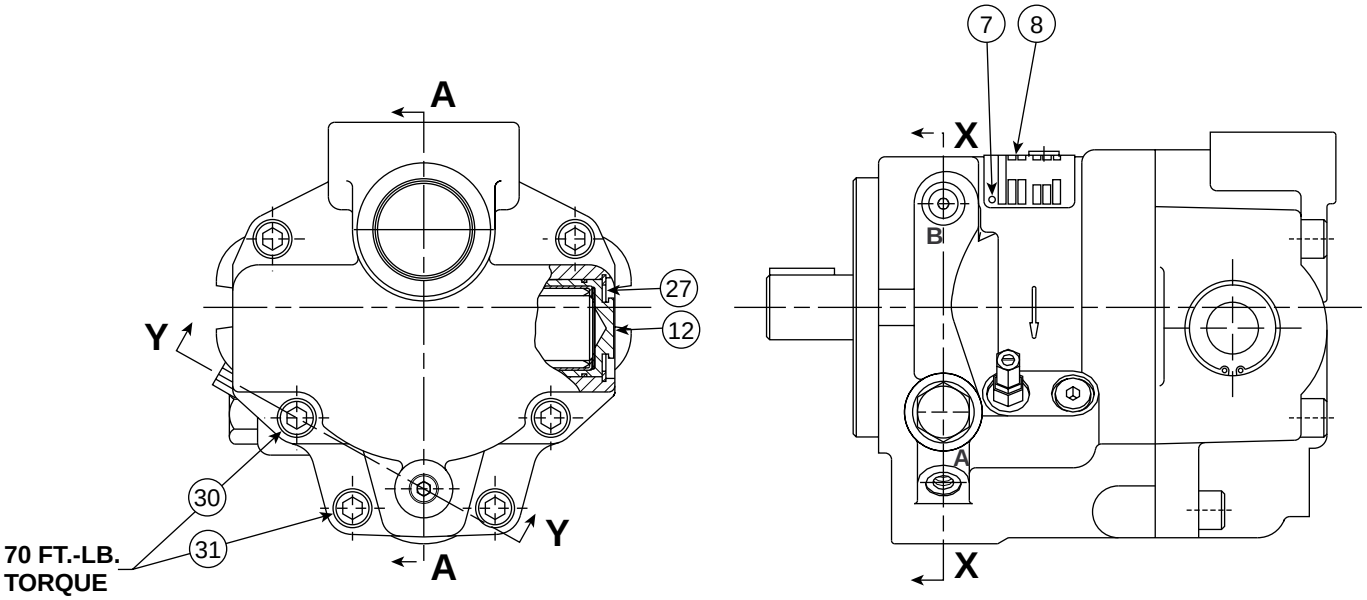


NOTE:
Pump shown with Inlet
Port Option '2' (Top Port)

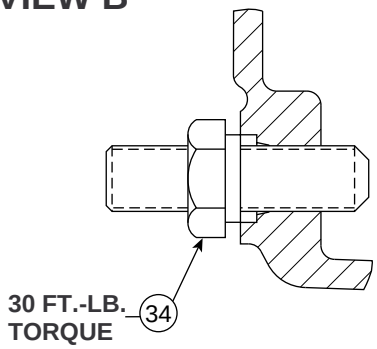
SECTION **A-A**

INSTALLED DEPTH OF NEEDLE BEARING, ITEM #61 BELOW PORT PLATE FACE OF HOUSING

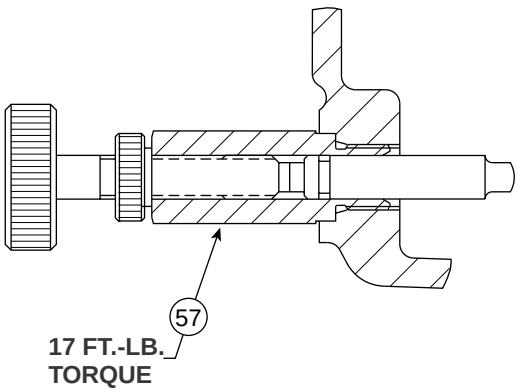
DUAL SHAFT BEARING CONFIGURATION SHOWN (OPTION 9)



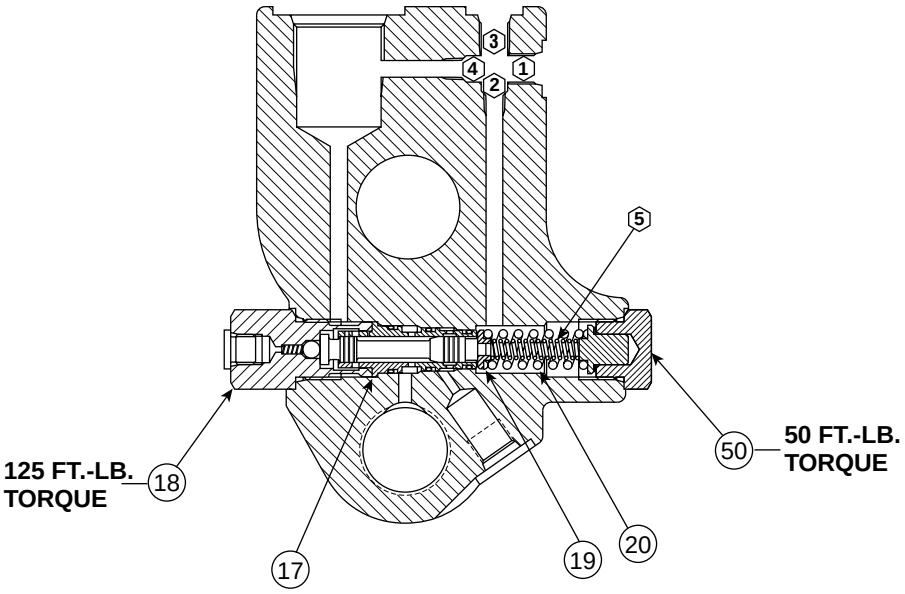
VIEW B



MAXIMUM VOLUME STOP
VARIATION - 2

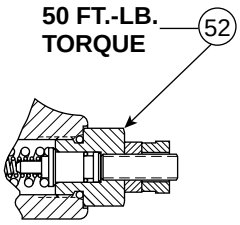


MAXIMUM VOLUME STOP
VARIATION - 5



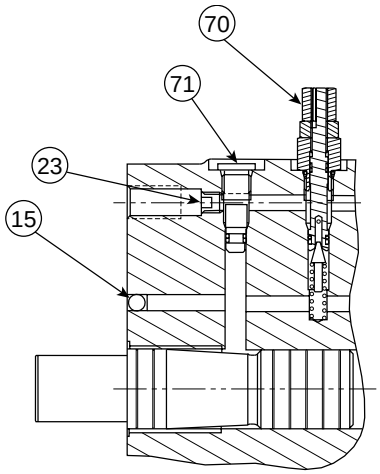
SECTION X-X

VARIATION "OMIT" NON-ADJ. DIFF.



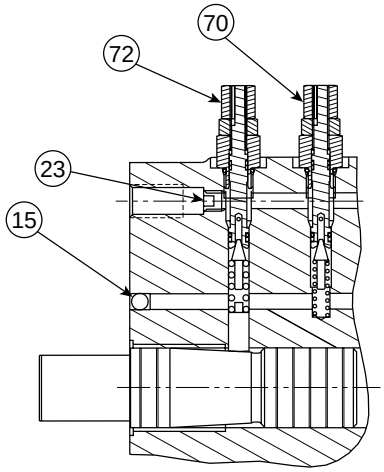
VARIATION "4"
ADJUSTABLE DIFFERENTIAL

	POSITION				
CONTROL OPTION	①	②	③	④	⑤
OMIT	OPEN	800599	108X4⬡	108X4⬡	OMIT
A	102X1	800599	OPEN	108X4⬡	MA787474
C	102X1	800599	OPEN	108X4⬡	MA787474
H	OPEN	800599	108X4⬡	108X4⬡	OMIT
M	800599	OPEN	OPEN	108X4⬡	OMIT
ME	102X1	800599	OPEN	108X4⬡	MA787474
S	800599	OPEN	OPEN	108X4⬡	OMIT
SE	102X1	800599	OPEN	108X4⬡	OMIT
AM	102X1	800599	786635⬡	OPEN	MA787474
CM	102X1	800599	786635⬡	OPEN	MA787474
HM	800599	OPEN	OPEN	108X4⬡	OMIT



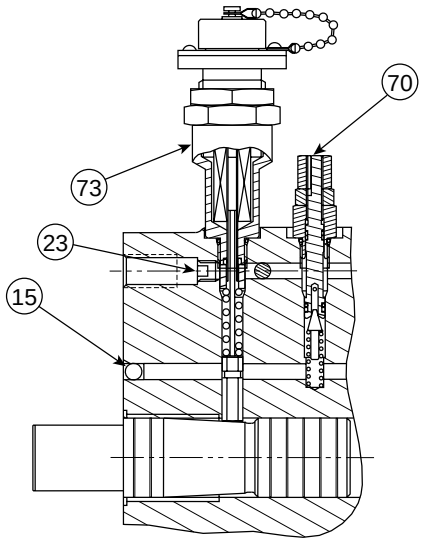
SECTION Y-Y

CONTROL OPTION OMIT
“A”, “M”, “ME”, & “AM”



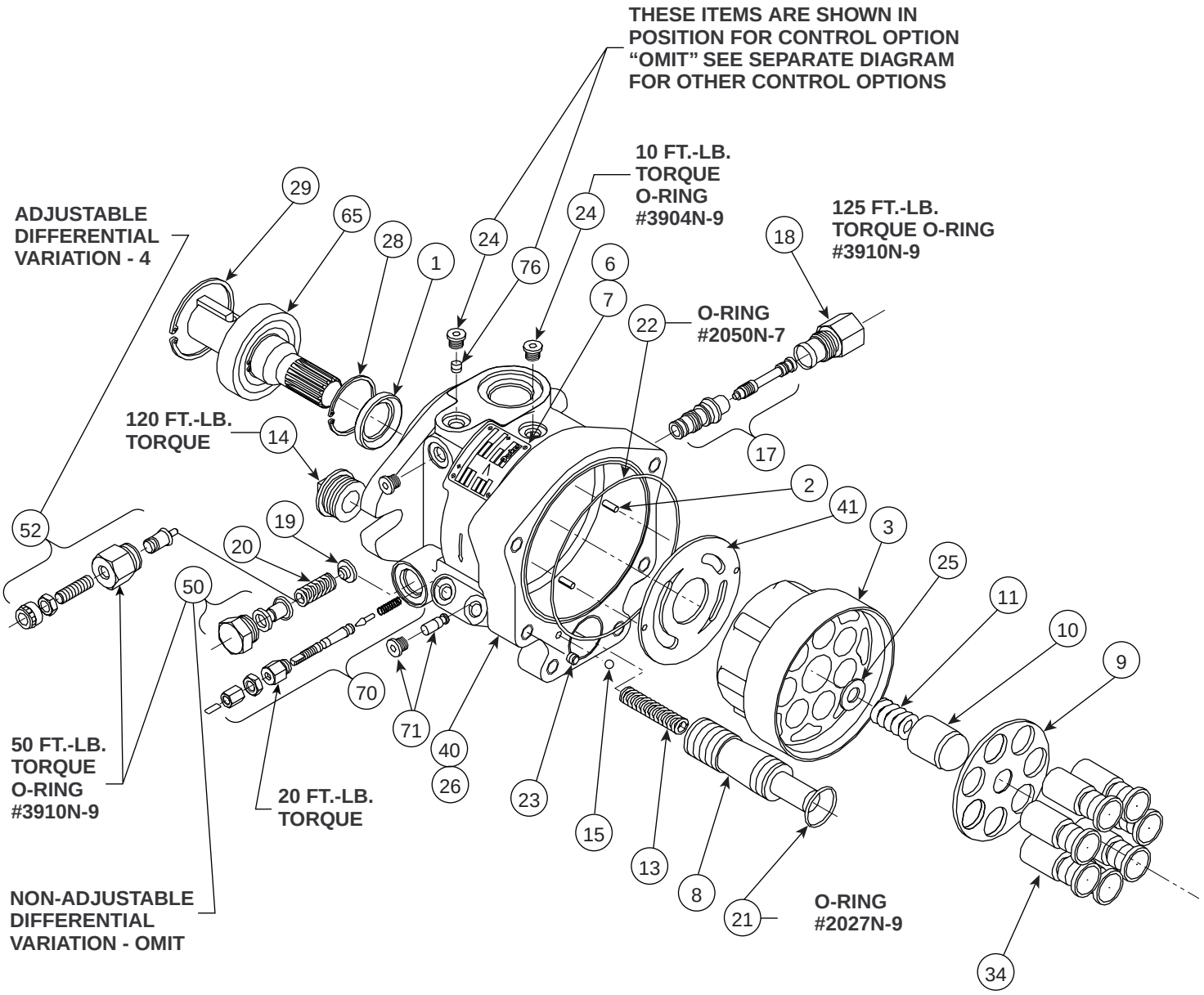
SECTION Y-Y

CONTROL OPTION
“C”, “H”, “CM”, & “HM”



SECTION Y-Y

CONTROL OPTION
“S”, & “SE”



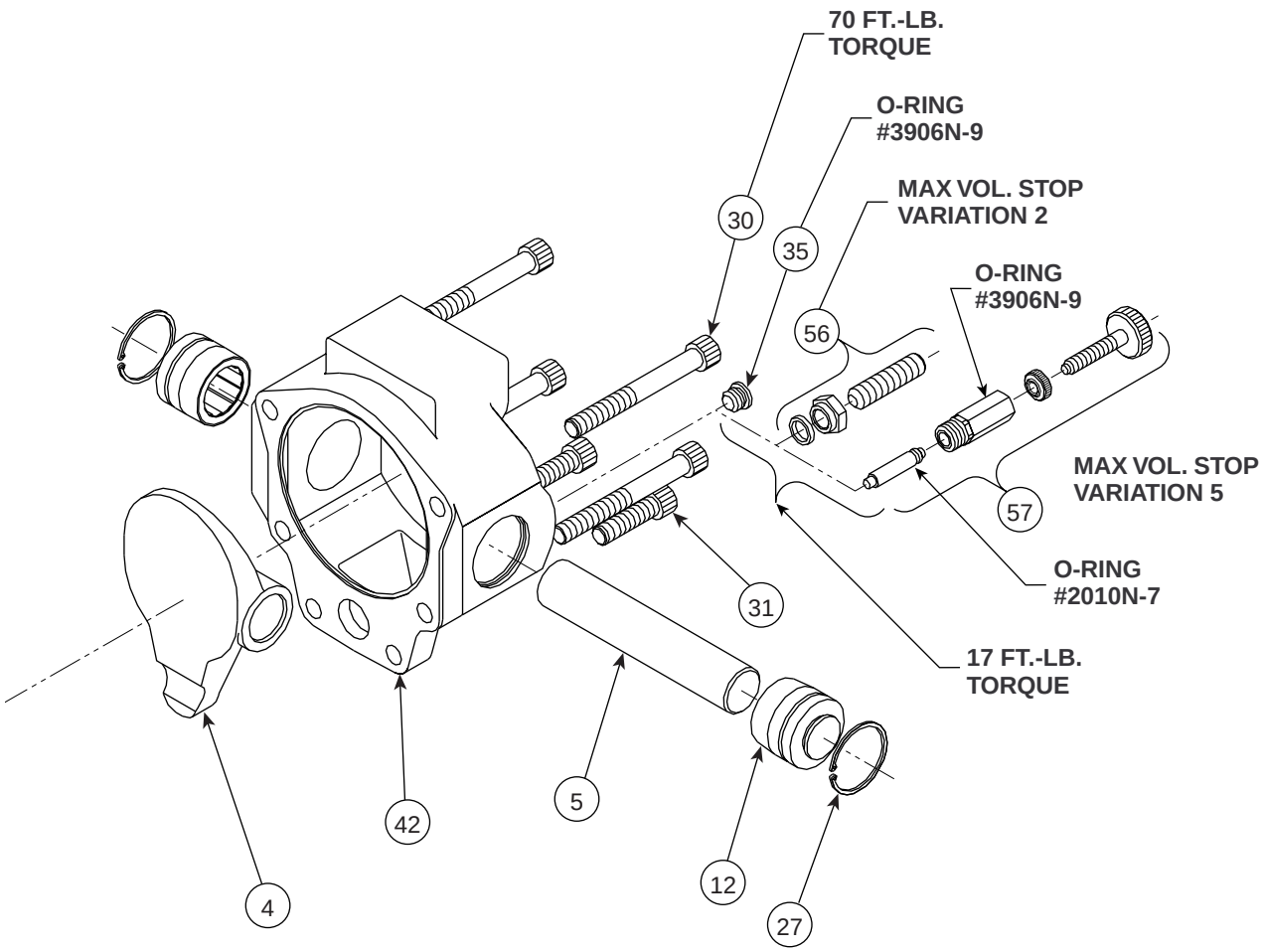
NOTES:

1. Pump shown is clockwise rotation, control option omit, and rear inlet port. For counter clockwise rotation outlet port, control drain and pump controls will be on opposite side.

2. Seal Kit P/N SKPAVC65** (** – Design Series).

3. Rotating Group Kit RRKPAVC65 □ ** (** – Design Series).

   □ = R (CW) or L (CCW)


70 FT.-LB.
TORQUE
O-RING
#3906N-9
MAX VOL. STOP
VARIATION 2
O-RING
#3906N-9
MAX VOL. STOP
VARIATION 5
O-RING
#2010N-7
17 FT.-LB.
TORQUE
30
35
56
57
31
4
42
5
12
27

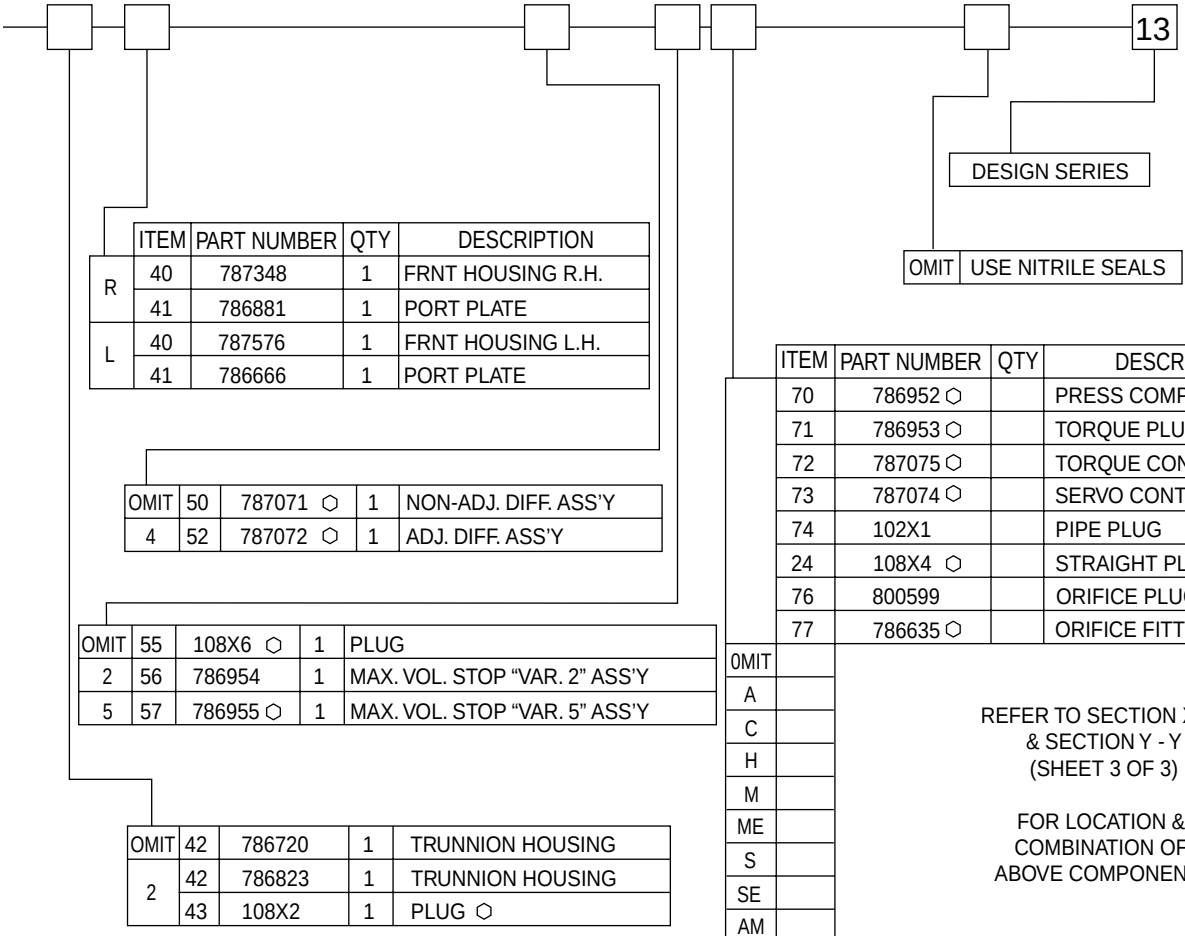
PAVC 65

	ITEM	PART NUMBER	QTY	DESCRIPTION
OMIT	1	787347	1	SHAFT SEAL
W	1	788029	1	SHAFT SEAL

PAVC65

ITEM	PART NUMBER	QTY	DESCRIPTION
2	99X81	2	ROLL PIN
3	786293	1	BARREL
4	786295	1	SWASH PLATE
5	786305	1	PIN-TRUNNION
6	39X10	2	DRIVE SCREW
7	800511	1	NAME PLATE
8	786301	1	SERVO PISTON
9	786663	1	SLIPPER RETAINER
10	786661	1	BALLSEAT
11	787983	1	SPRING-BARREL
12	787065 ⬡	2	TRUN. CAP ASS'Y.
13	786302	1	SPRING-SERVO
14	787064 ⬡	1	PLUG-SERVO ASS'Y
15	98X16	1	BALL
16			
17	787056 ⬡	1	SPOOL & SLEEVE ASS'Y
18	786946 ⬡	1	AIRBLEED ASS'Y
19	786116	1	RETAINER-SPRING
20	786113	1	SPRING-MOD.
21	2027⬡-9	1	O-RING
22	2050⬡-7	1	O-RING
23	102X1	1	PLUG
24	108X4	1	PLUG
25	786393	1	RETAINER
26	786888	1	BARREL-BUSHING
27	56X325	2	SNAP RING
28	56X352	1	SNAP RING
29	56X337	1	SNAP RING
30	10X301	4	CAP SCREW
31	10X293	2	CAP SCREW
32			
33			
34	787979	7	PISTON ASS'Y

OMIT	OMIT	65	787598	1	SHFT ASS'Y-STR-1 PC
		66			
		67	801111	1	PROTECTIVE CAP
	B	65	787599	1	SHFT ASS'Y-SPL-1 PC
9	OMIT	65	787577	1	SHFT ASS'Y-STR-2 PC
		66		1	
		67	801111	1	PROTECTIVE CAP
	B	65	787514	1	SHFT ASS'Y-SPL-2 PC
		61	787351	1	NEEDLE BEARING
		62	787469	1	IDLER SHAFT



⚠ CAUTION

These service parts are intended for use in hydraulic pumps.
Incorrect installation or assembly of these parts could cause the
pump or pumps being repaired to fail in subsequent use, or to operate incorrectly.

The following precautions should be followed:

1. All parts should be cleaned and then lightly coated with mineral oil,
   or another lubricating fluid compatible with the system fluid being used,
   prior to assembly.
2. The pump should be disassembled, repaired, and reassembled in a
   clean environment.
3. Use proper tools to disassemble and reassemble the pump.
4. If you are uncertain as to how to install these parts, you should obtain assistance
   either from a Parker Hannifin distributor, or from the Fluidpower Pump Division.



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