

REAR CAM RING ASSEMBLY (P2)

22. Position the P2 rotor assembly over the end of the shaft (20) with the internal serrations toward the center port plate (11).
23. Install the vane holdout pins (9) vanes (7) and cam ring the same as the P1 cam ring assembly.

CENTER HOUSING (INLET)

24. Insert the four dowel pins (5) in the holes in the center housing (4).
25. Apply lubricating fluid to the two O-Rings (3) and install one in the wear face of the mounting cap (21) and the other in the face of the end cap (2).

26. Slide the center housing (4) over the cam ring assemblies and center port plate. Position the housing so the suction port is in the desired relationship to the P1 pressure port. Make certain the dowel pins (5) are engaged.

END CAP (P2 OUTLET)

27. Place the end cap (2) over the center housing with the P2 outlet pointing the same direction as the P1 outlet or 180° opposite. *Caution: The P2 outlet must never be installed at a 45° angle to the P1 outlet.*
28. Make certain that the two dowel pins (5) enter the holes in the end cap (2).
29. Insert the four bolts (1) with lockwashers (1a) and torque evenly to 50-55 ft-lbs.

Model No. Key T5CC & T5SCC Double Vane Pump

T 5 S C C - 0 2 2 - 0 1 7 - 3 - R - 0 0 - A 1 - 4

Vane Pump

Series

S = severe duty

no marks = standard duty

Front cam ring size, P1

Rear cam ring size, P2

Capacity in GPM P1 outlet

005 = 5 GPM @ 1200 RPM
 008 = 8 GPM @ 1200 RPM
 010 = 10 GPM @ 1200 RPM
 015 = 14 GPM @ 1200 RPM
 017 = 17 GPM @ 1200 RPM
 022 = 22 GPM @ 1200 RPM

Capacity in GPM P2 outlet, same options as P1

Shaft type

3 = SAE "BB" spline 15T 18/32 pitch
 5 = SAE "B" spline 13T 18/32 pitch

Pump rotation (viewed from shaft end)

R = Right hand rotation CW
 L = Left hand rotation CCW

Fluid connection pads

4 = P1 & P2 w/ SAE 16 internal threads

4 bolt pad on suction

no marks = 4 bolt pad on all ports

Seal compound

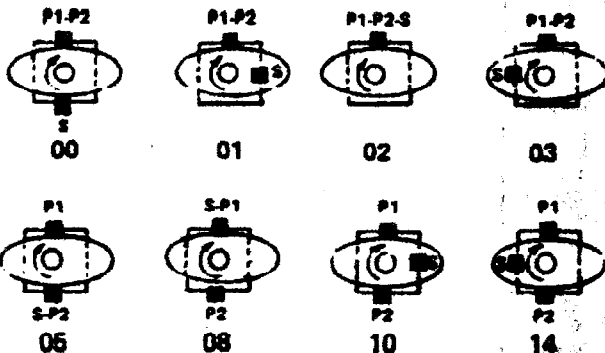
1 = Buna N (standard)

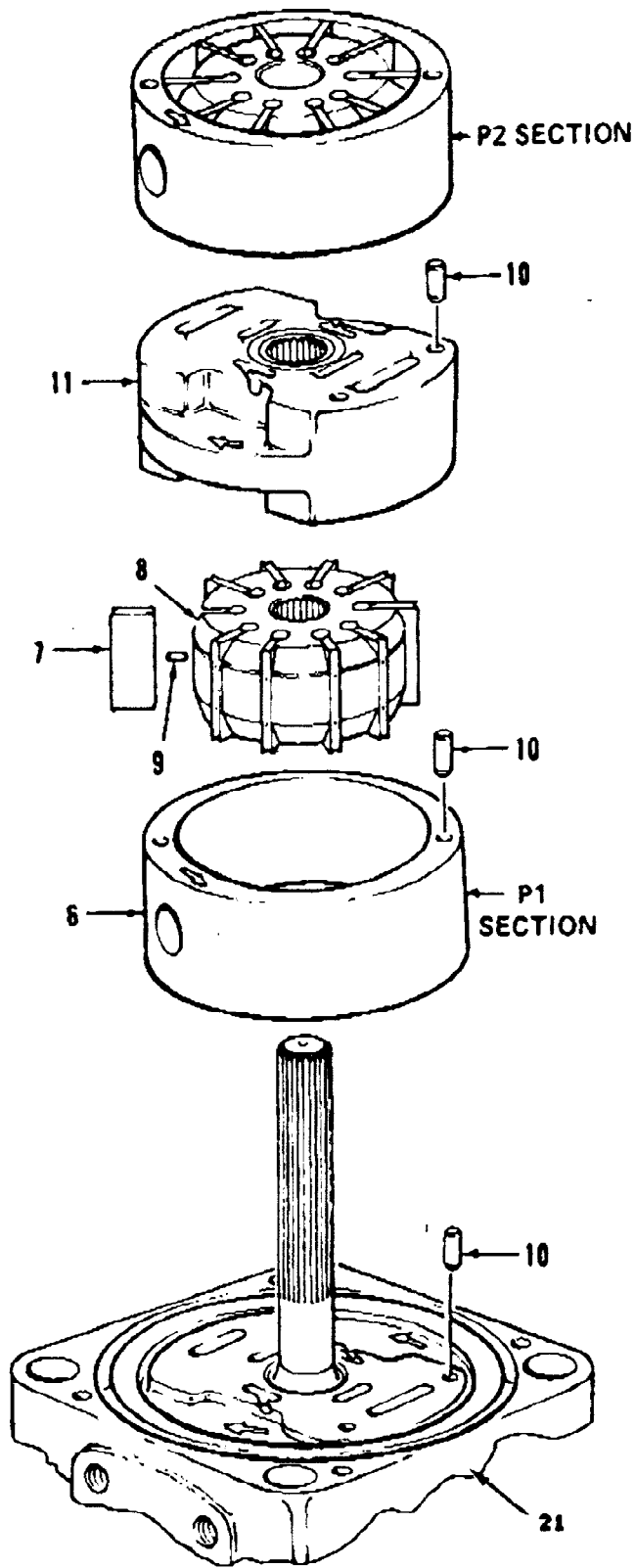
5 = Viton A

Design letter

Porting arrangements (viewed from shaft end)

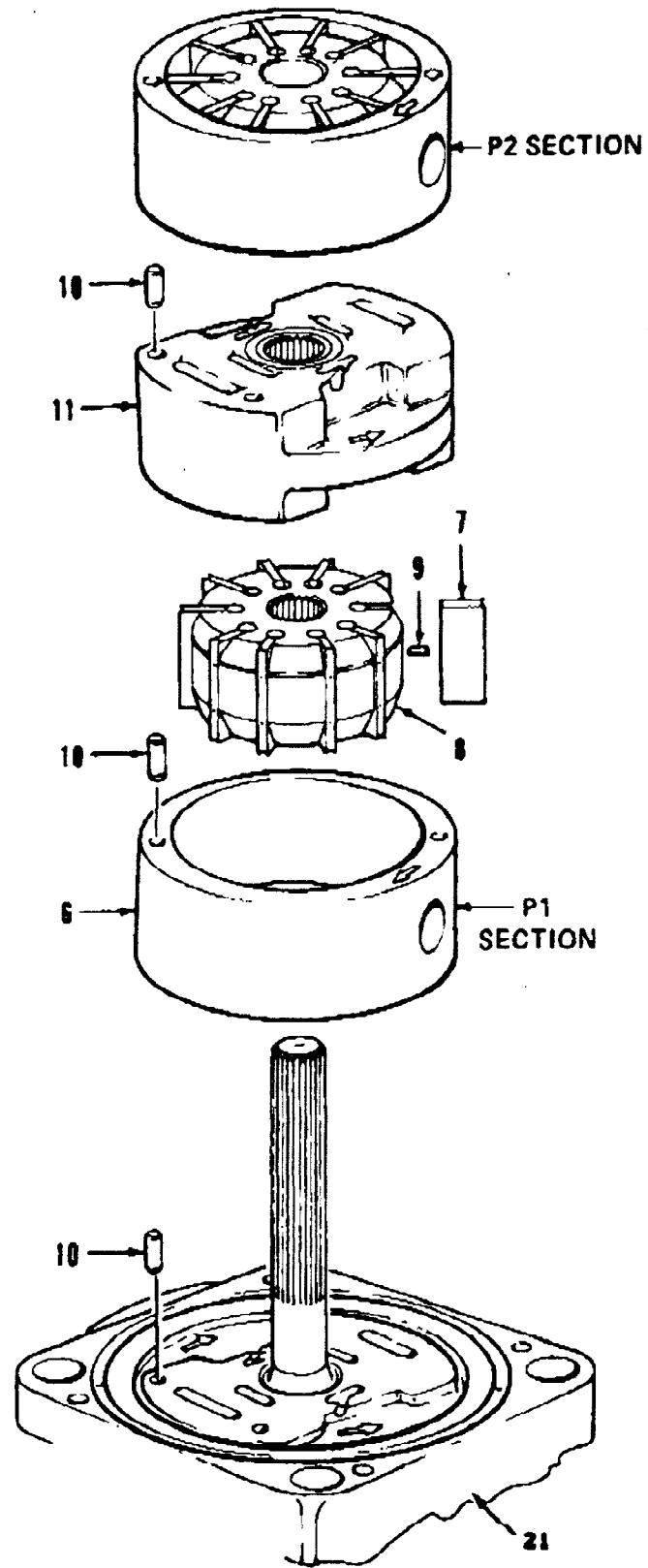
S = Suction, P1 = shaft end, P2 cap end





PARTS ARRANGEMENT FOR RIGHT HAND ROTATION (CW)

FIGURE IV



PARTS ARRANGEMENT FOR LEFT HAND ROTATION (CCW)

FIGURE V

T5CC & T5SCC PARTS LIST

A1 = 4 Bolt
A14 = SAE

ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	306-40153	Hex head cap screw 1/2-13 x 6-1/2
1a	4	350-10102	Lockwasher
2	1	034-49528	End cap with 1" SAE 4 bolt pad
	1	034-49529	End cap with SAE-16 threaded port
3	2	871-00251 (s)	O-ring 70-6230-29
	2	*875-00251 (s)	O-ring 70-6230-29
4	2	034-49526	Housing
5	4	324-21612	Dowel pin 1/4 x 3/4"
6	2	See Chart	Cam ring
7	20	034-48577	Vanes
8	2	S14-23178	Rotor assembly
9	20	034-24982	Vane holdout pins
10	3	324-21208	Dowel pin 3/16 x 1/2"
11	1	034-49531	Center port plate
12	2	230-82133	Needle bearing, B-168
13	1	034-49534	Bearing adapter
14	1	350-30244	Internal snap ring, N5000-244
15	1	671-00227 (s)	O-ring 70-6230-5
	1	*675-00227 (s)	O-ring 70-6230-5
16	1	620-62012 (s)	Shaft seal
	1	*620-82068 (s)	Shaft seal
17	1	034-49533	Seal retainer
18	2	034-70777	External snap ring
19	1	230-82054	Ball bearing, ND #3305
20	1	034-70978	#1 Shaft-keyed
	1	034-49622	Key
	1	034-70979	#3 SAE-BB splined shaft 15T
	1	034-70981	#5 SAE-B splined shaft 13T
21	1	034-49523	Mounting cap with 1" SAE 4 bolt pad
	1	034-49524	Mounting cap with SAE-16 threaded port
		S14-28957	#1 Shaft assembly (#18, 19, 20)
		S14-24888	#3 Shaft assembly (#18, 19, 20)
		S14-27377	#5 Shaft assembly (#18, 19, 20)
		S14-25215 (s)	Seal kit
		*S14-25215-5 (s)	Seal kit
		S14-29485	Center port plate assembly (#11, 12 & 13)
		S14-29490	Seal retainer assembly (#15, 16 & 17) standard
		*S14-29490-5	Seal retainer assembly (#15, 16 & 17)

*For use with fire resistant fluids requiring Viton A seals.

STANDARD
T5CC CAM RINGS
& SUB-ASSEMBLIES

P1 or P2	THESE PARTS ARE A COMPLETE CAM RING ASSEMBLY				ASSEMBLY NO.
	ITEM 6 CAM RING	ITEM 7 VANES	ITEM 8 ROTOR	ITEM 9 PINS	
005	034-48782				S14-24896
008	034-48784				S14-24897
010	034-48573				S14-24898
014	034-48574	034-48577	S14-23178	034-24982	S14-24899
017	034-48575				S14-24900
022	034-48576				S14-24901
025	034-70337				S14-29928
QTY.	1	10	1	10	

340 208

T5SCC CAM RINGS
& SUB-ASSEMBLIES

P1 or P2	THESE PARTS ARE A COMPLETE CAM RING ASSEMBLY				ASSEMBLY NO.
	ITEM 6 CAM RING	ITEM 7 VANES	ITEM 8 ROTOR	ITEM 9 PINS	
005	034-70741				S14-24911
008	034-70742				S14-24912
010	034-70743				S14-24913
014	034-70744	034-48577	S14-23178	034-24982	S14-24914
017	034-70745				S14-24915
022	034-70746				S14-24916
025	035-70874				S14-40474
QTY.	1	10	1	10	

FLUID CONNECTIONS

PORT SIZES	MODEL NOS.**	CODE NOS.**	THREAD SIZE	THESE ARE A COMPLETE KIT		
				CONNECTION	SEAL#	SCREW
P1 & P2 Pressure	FS4-P16-12-33	S14-10787	1" NPTF	034-27265		
1"	FS4-S21-17-52	S14-08445	SAE 16	034-24476	691-10223	3/8-16x1-3/4 Soc.hd.
	FS4-W16-12-35	S14-08054	1" (PS)(Soc. Wid.)	034-24348		
Suction 3"	FS4-P48-12-34	S14-07428	3" NPTF	034-23145		
	FS4-W48-12-37	S14-07430	3" (PS)(Soc. Wid.)	034-24159	671-00240	5/8-11x2-3/4 Hex hd.
QTY.				1	1	4

**Add .5 to the end of model and code no. when ordering a kit requiring Viton A seals. Change seal prefix to 695 when ordering seal separately.

T5CC

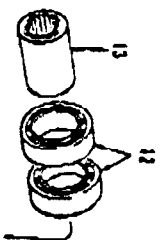
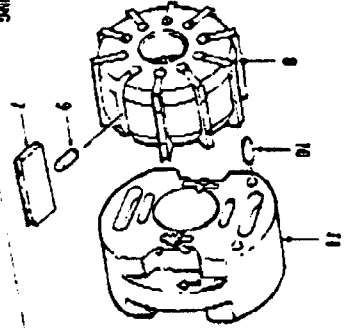
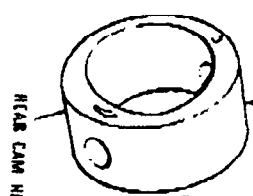
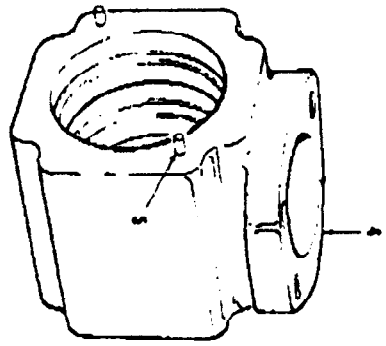
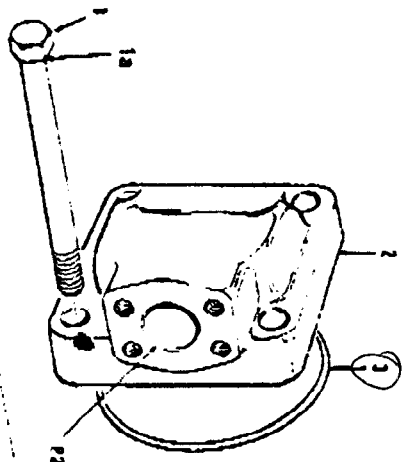
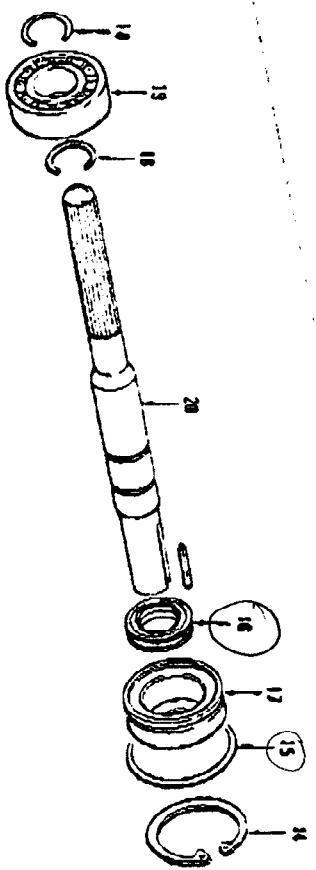
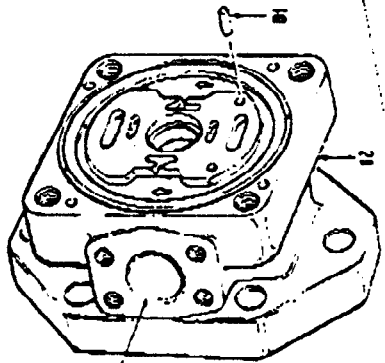
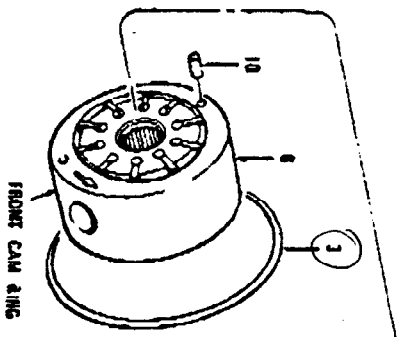


FIG. VI