Vickers®

Service Data

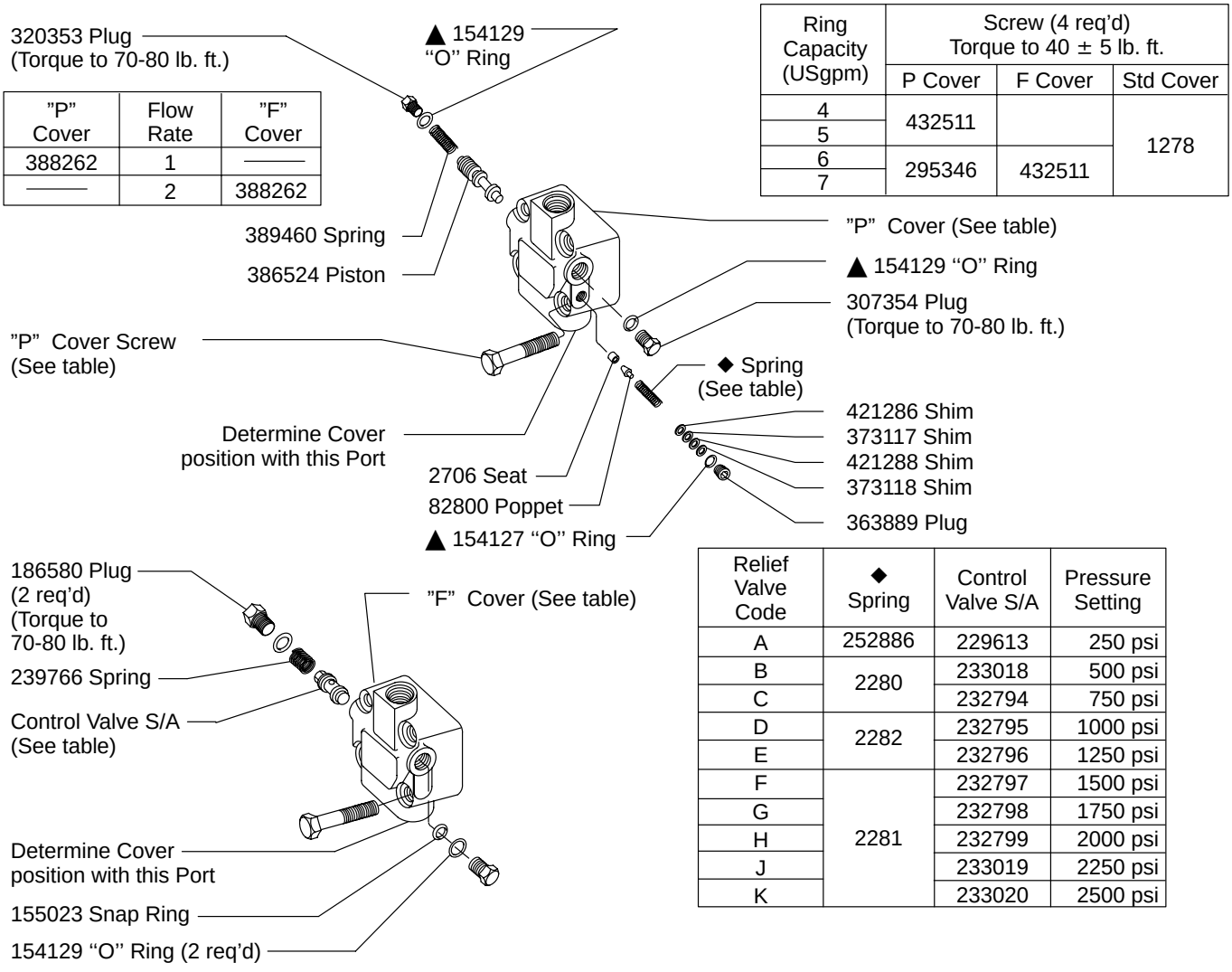
Transmissions

Single Transmission Pump with Single Vane Pump

TA19V10*-21
TA19 *-21-088

Revised 11/01/89

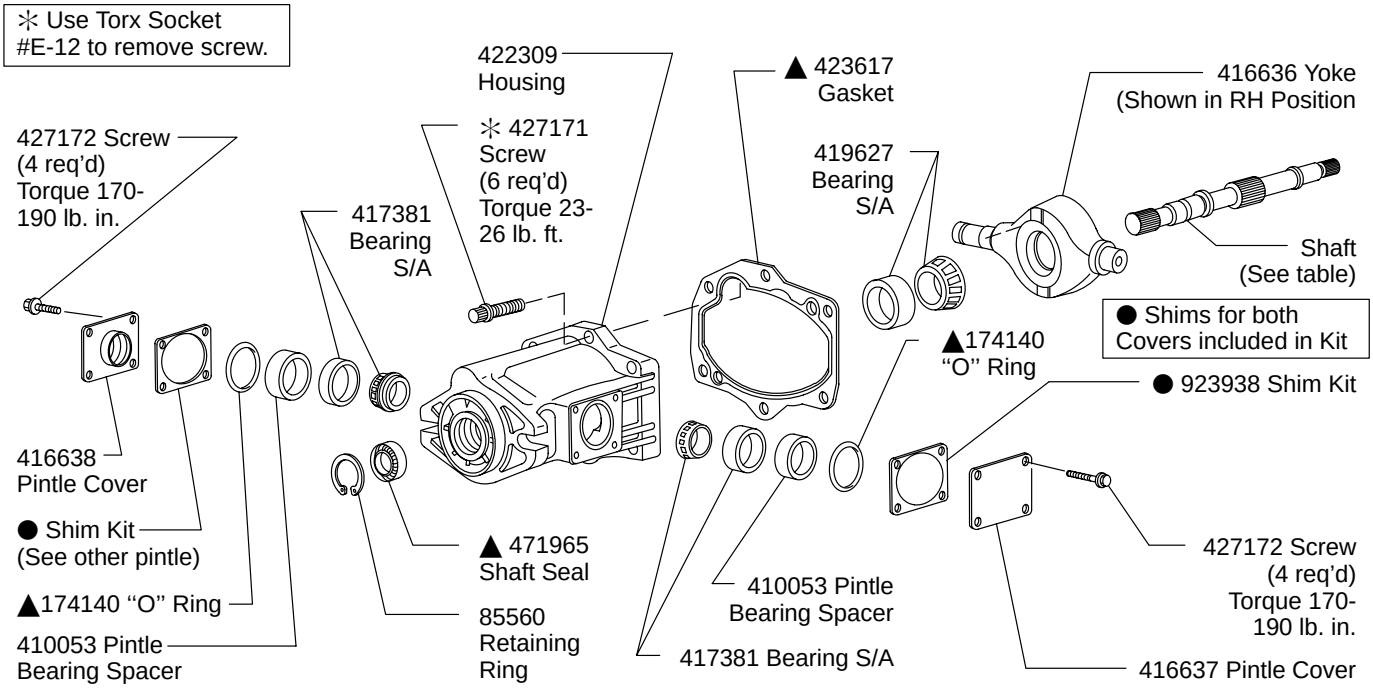
M-2845-S



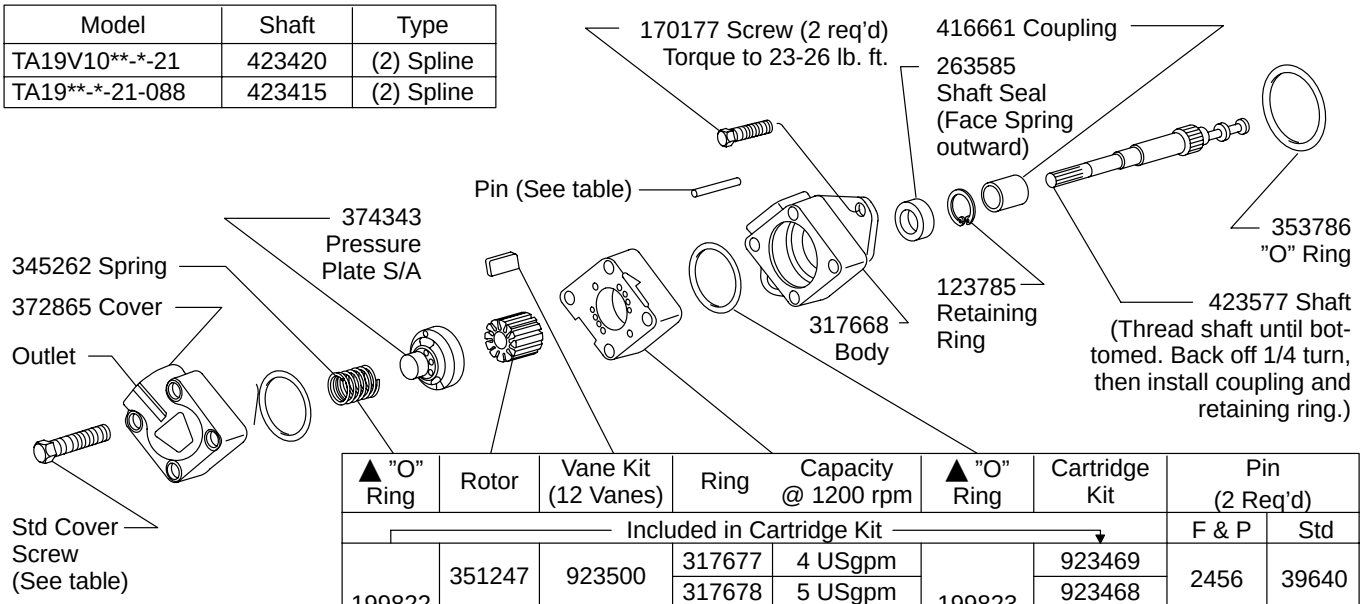
"P" Cover	Flow Rate	"F" Cover
388262	1	———
———	2	388262

Ring Capacity (USgpm)	Screw (4 req'd) Torque to 40 ± 5 lb. ft.		
	P Cover	F Cover	Std Cover
4	432511		1278
5			
6	295346	432511	
7			

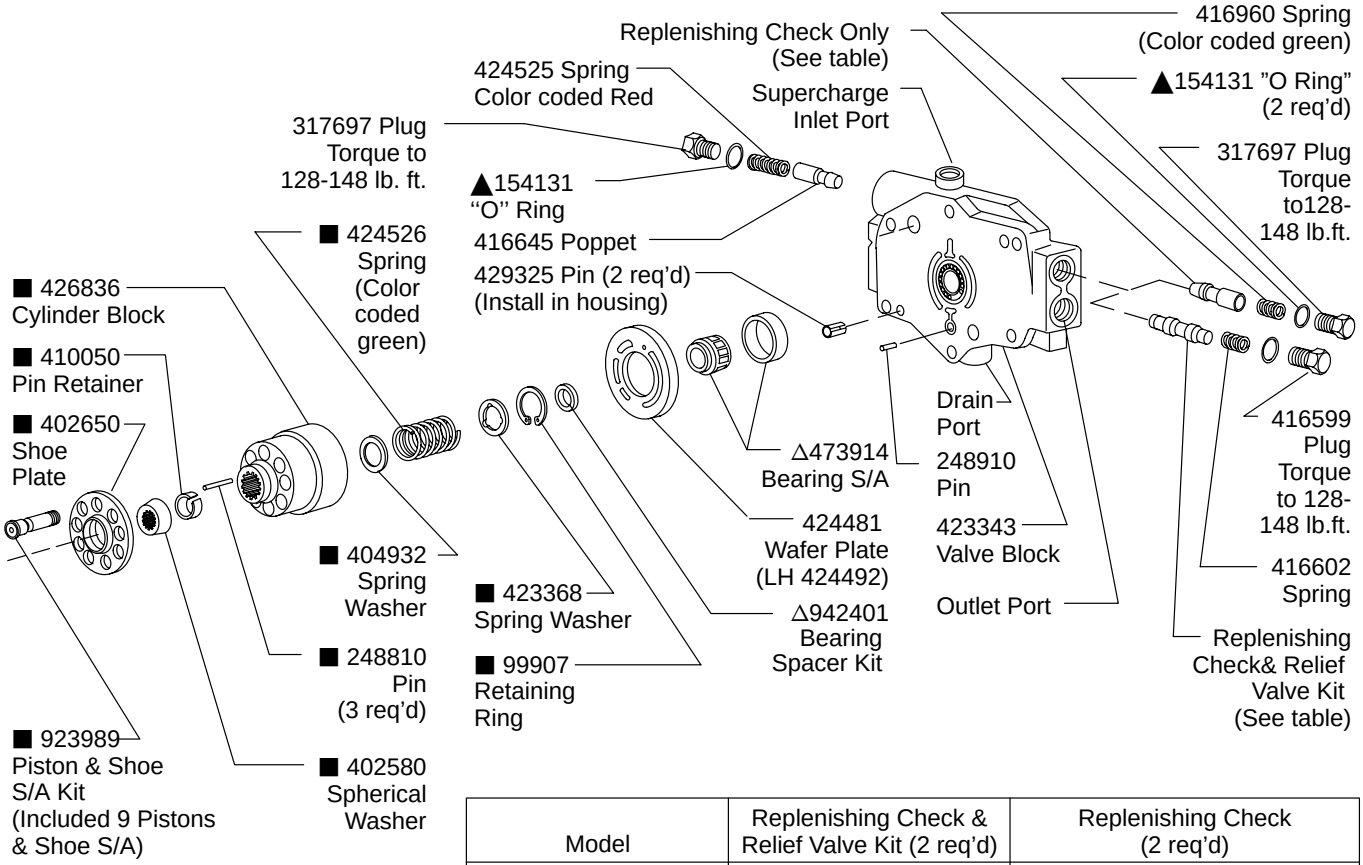
Relief Valve Code	◆ Spring	Control Valve S/A	Pressure Setting
A	252886	229613	250 psi
B	2280	233018	500 psi
C		232794	750 psi
D	2282	232795	1000 psi
E		232796	1250 psi
F	2281	232797	1500 psi
G		232798	1750 psi
H		232799	2000 psi
J		233019	2250 psi
K		233020	2500 psi



Model	Shaft	Type
TA19V10**-*-21	423420	(2) Spline
TA19**-*-21-088	423415	(2) Spline



▲"O" Ring	Rotor	Vane Kit (12 Vanes)	Ring	Capacity @ 1200 rpm	▲"O" Ring	Cartridge Kit	Pin (2 Req'd)	
Included in Cartridge Kit							F & P	Std
199822	351247	923500	317677	4 USgpm	199823	923469	2456	39640
			317678	5 USgpm		923468		
	357286	923501	355641	6 USgpm		923497	351963	16662
			331813	7 USgpm		923498		



Model	Replenishing Check & Relief Valve Kit (2 req'd)	Replenishing Check (2 req'd)
TA19V10**-**R	942429 - 5000 psi	———
TA19V10**-001	942430 - 3500 psi	
TA19V10**-**0	NONE	416645
TA19V10**-014	942428 - 3000 psi	———
TA19V10**-016	942427 - 4000 psi	
TA19V10**-53	941189 - 4500 psi	

▲ Included in 920156 Seal Kit

■ Included in 923936 Rotating Group Kit

CAUTION

Replenishing check/reliefs and replenishing check valves are used in any combination in this equipment. The combinations are determined by the application. DO NOT interchange valve positions or a major malfunction of the equipment may result.

Model Code

TA 19 V10 * * -2 * * - * * * * * * 21- * * *

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 Transmission Pump

2 Flow Rating
@ 1800 rpm

19 – 19 USgpm

3 Auxiliary Vane Pump

F - Foot mounting
Omit - For flange

4 Vane Pump Cover

F - Flow control
P - Priority flow
Omit - Standard cover

5 Rotation
(Viewed from shaft end)

R - Right Hand (CW)
L - Left Hand (CCW)

6 Input Shaft

2 - SAE B-B splined

7 Control Pintle
(Location viewed from shaft end w/drain port up)

A - Right hand
B - Left hand

8 Main Relief Valve

R - Relief valve
O - No relief valve

9 Ring Capacity
@ 1200 rpm

04 - 4 USgpm **06** - 6 USgpm
05 - 5 USgpm **07** - 7 USgpm

10 Vane Pump Inlet Position
(Viewed from cover end)

A - 45° CCW from case drain
C - 135° CW from case drain

11 Outlet Port Positions
(Viewed from cover end)

A - Opposite inlet
B - 90° CCW from inlet
C - Inline with inlet
D - 90° CW from inlet

12 Flow Rate

Orifice in ”F” cover:
2, 3, 4, 5, 6, 7, 8, USgpm
Orifice in ”P” cover”
1, 2, 3, 4, 5, 6, 7, USgpm

13 Vane Pump Relief Valve Setting
(”F” & ”P” cover)

A - 250 psi **F** - 1500 psi
B - 500 psi **G** - 1750 psi
C - 750 psi **H** - 2000 psi
D - 1000 psi **F** - 2250 psi
E - 1250 psi **K** - 2500 psi

14 Design

-21 Design

15 Special Suffix

-088 - No vane pump (SAE ”A” pad)

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR, and OFRS series are recommended.

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