Vickers®

Service Data

Transmissions

Double Transmission Pump Package

TA1919V1010(P)-21

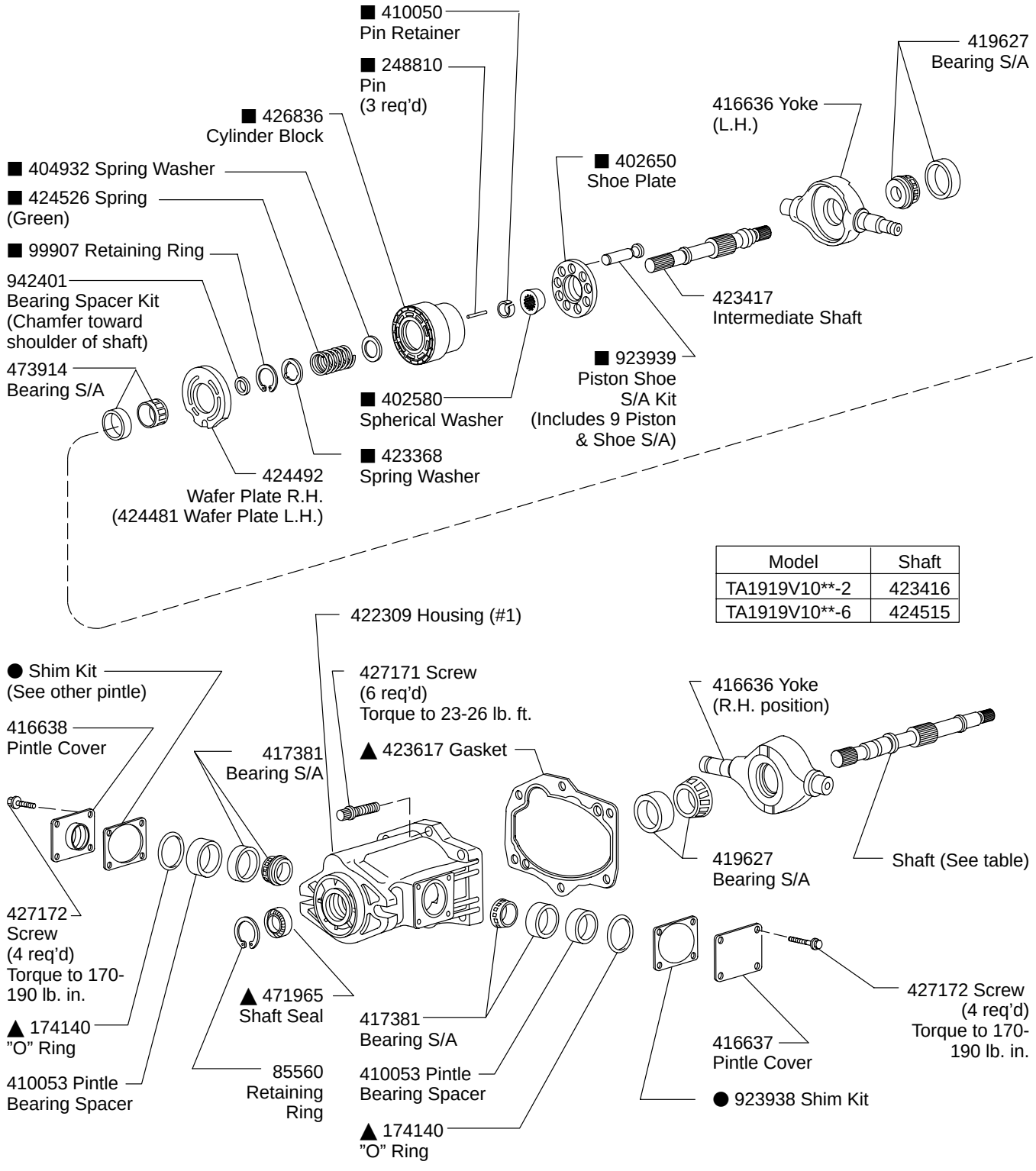
Δ Included in 920220 Seal Kit

▲ Included in 920222 Seal Kit

■ Included in 923936 Rotating Group Kit

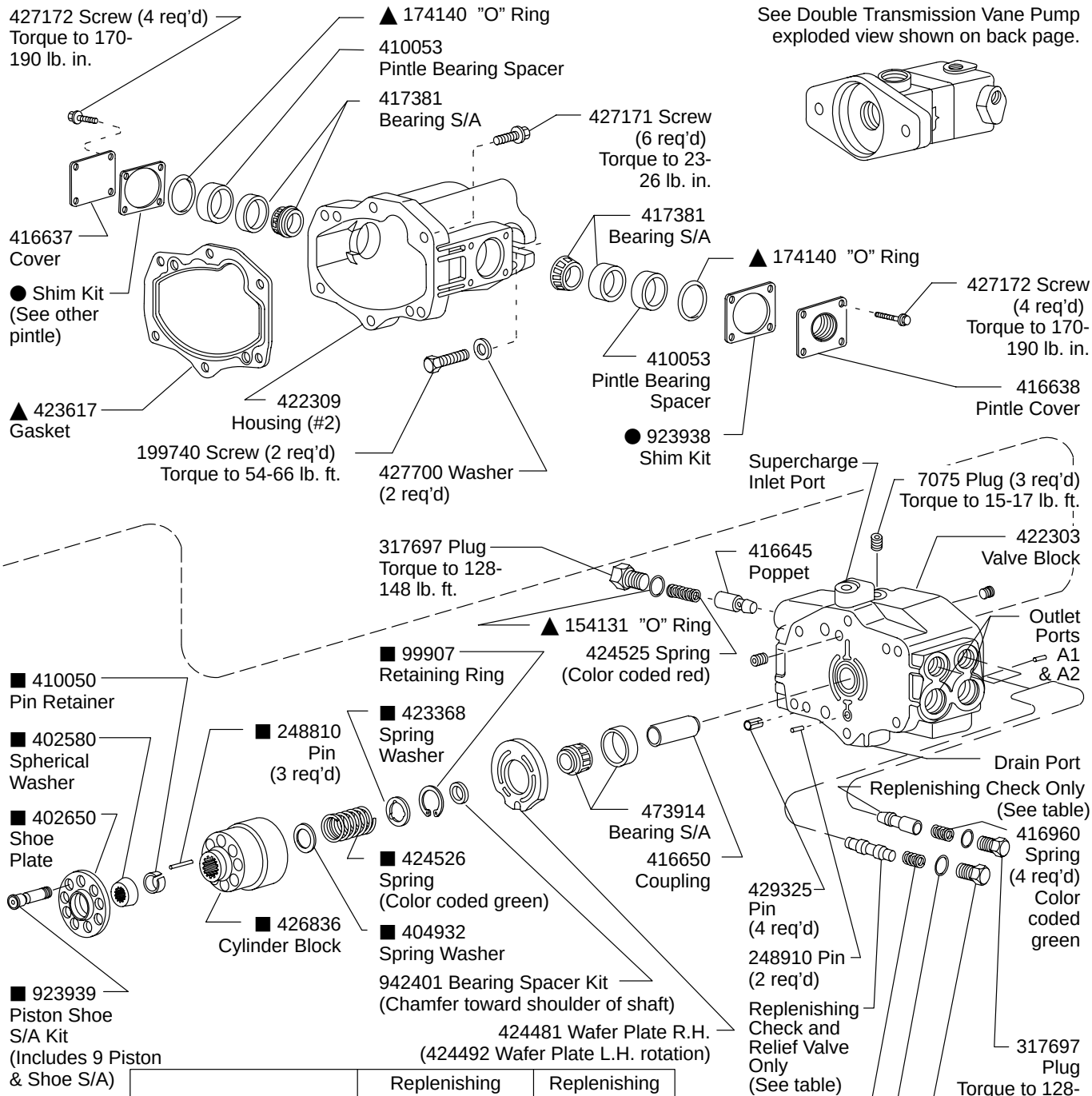
Note
Bearing preload at assembly shown on M2835S

CAUTION
Replenishing Check/Relief and Replenishing Check Valves are used in any combination in this equipment. The combinations are determined by the application. Do no interchange valve positions or a major malfunction of the equipment may result.

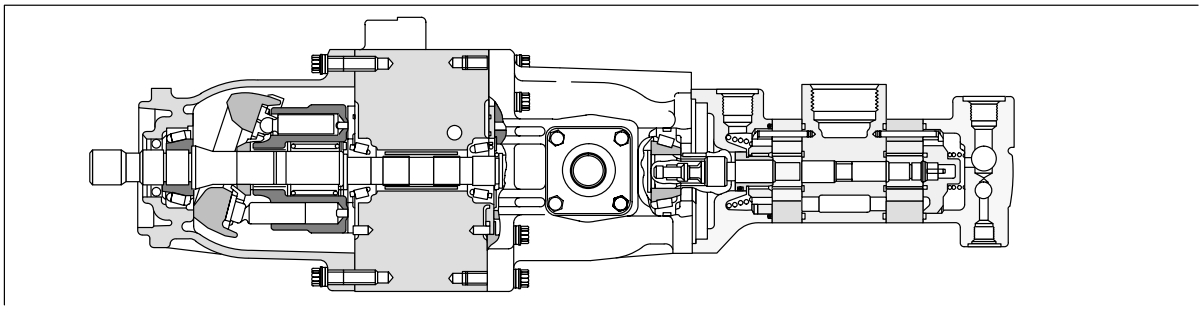


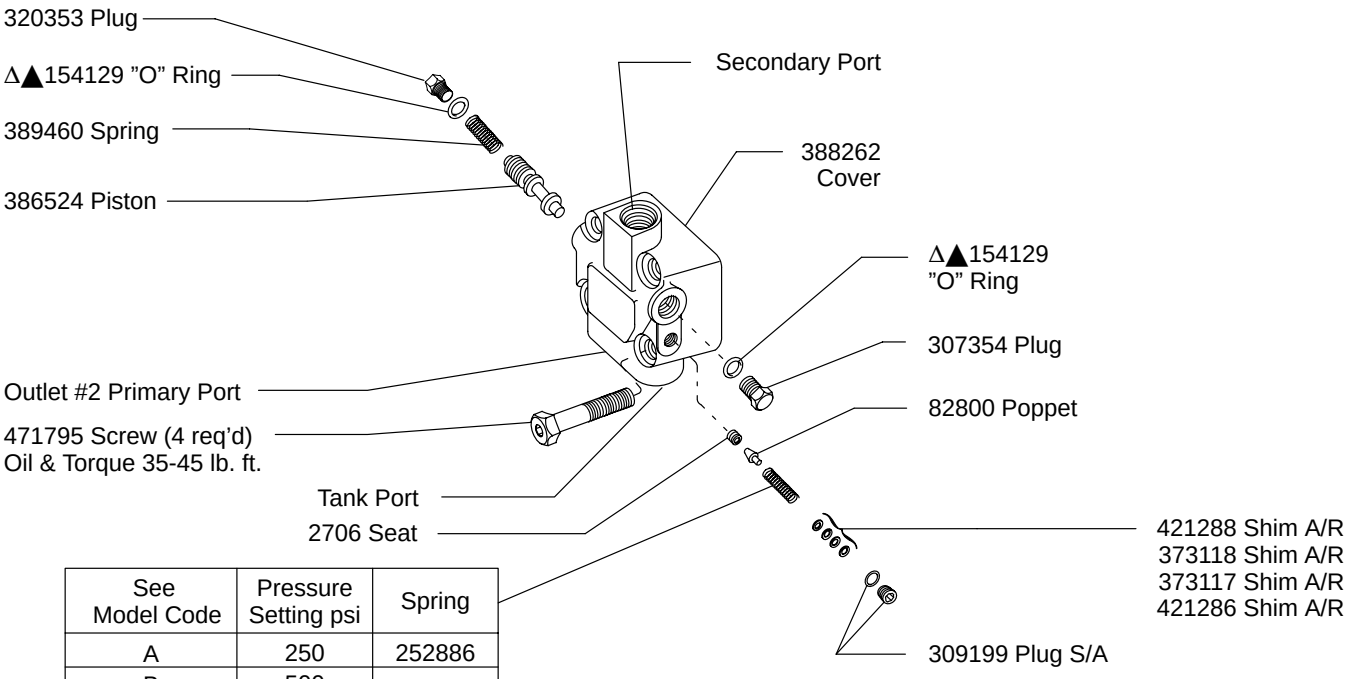
Model	Shaft
TA1919V10**-2	423416
TA1919V10**-6	424515

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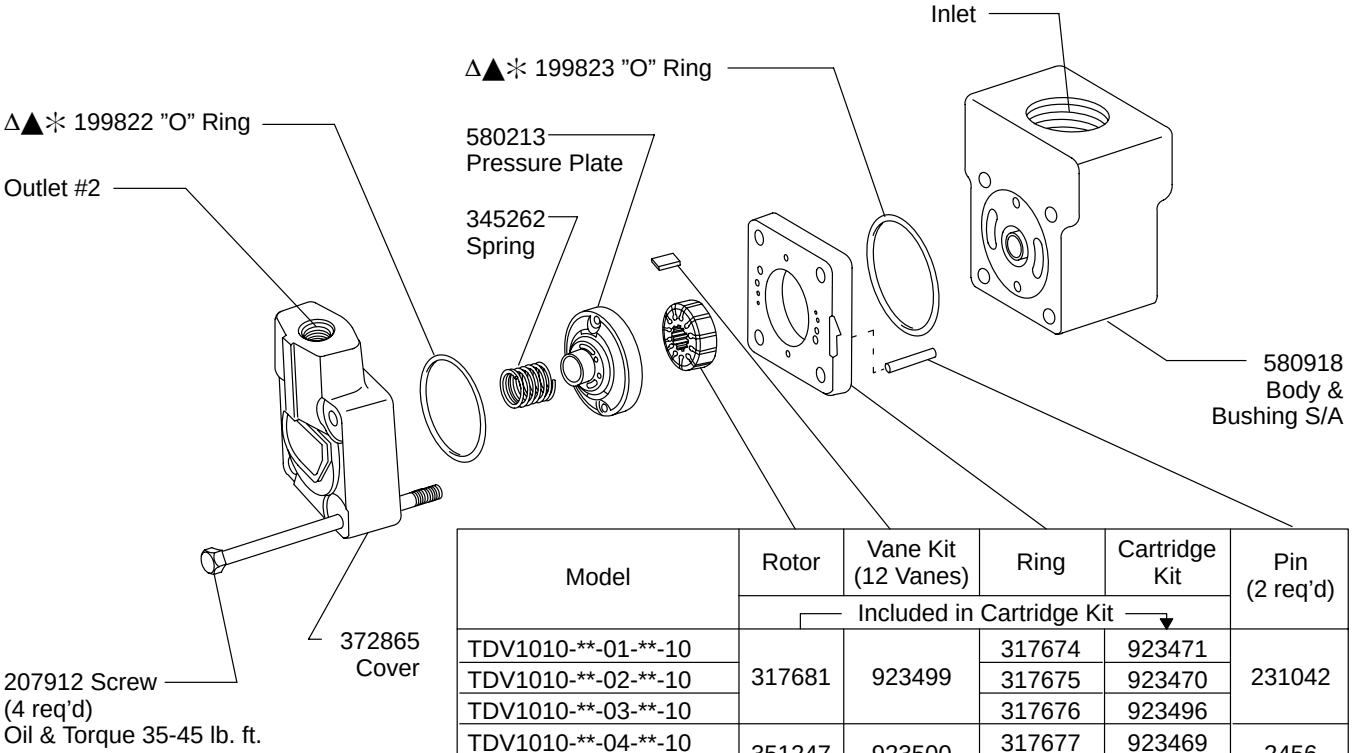
Model	Replenishing Check and Relief Valve Kit (2 req'd)	Replenishing Check (2 req'd)
TA1919V10-**-**R	942429 - 5000 psi	NONE
TA1919V10-**-001	942430 - 3500 psi	
TA1919V10-**-**0	NONE	416645
TA1919V10-**-014	942428 - 3000 psi	NONE
TA1919V10-**-016	942427 - 4000 psi	
TA1919V10-**-520	926472 - 5500 psi	





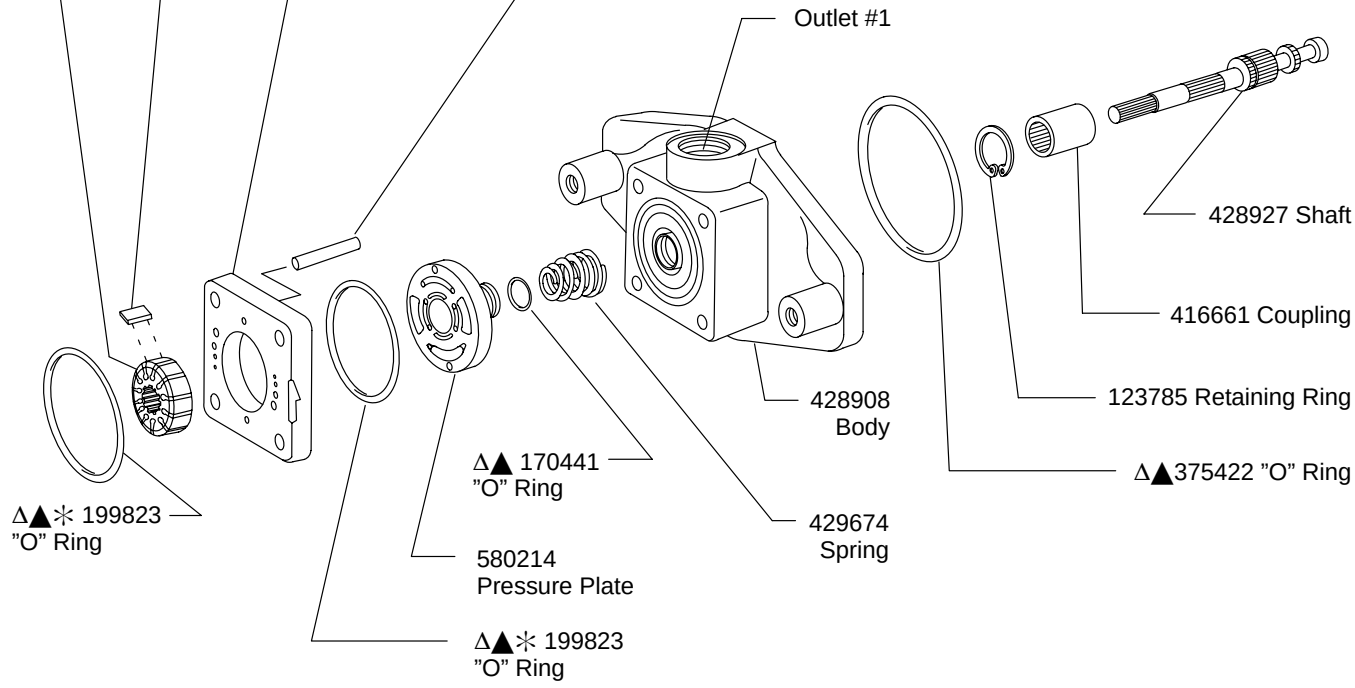
See Model Code	Pressure Setting psi	Spring
A	250	252886
B	500	2280
C	750	
D	1000	2282
E	1250	
F	1500	2281
G	1750	
H	2000	
J	2250	
K	2500	

Note
Use primary port for Cover position



Model	Rotor	Vane Kit (12 Vanes)	Ring	Cartridge Kit	Pin (2 req'd)
	Included in Cartridge Kit				
TDV1010-**-01-**-10	317681	923499	317674	923471	231042
TDV1010-**-02-**-10			317675	923470	
TDV1010-**-03-**-10			317676	923496	
TDV1010-**-04-**-10	351247	923500	317677	923469	2456
TDV1010-**-05-**-10			317678	923468	
TDV1010-**-06-**-10	357286	923501	355641	923497	16662
TDV1010-**-07-**-10			331813	923498	

Rotor	Vane Kit (12 Vanes)	Ring	Cartridge Kit	Pin (2 req'd)	Model
Included in Cartridge Kit →					
580224	923500	317677	941099	2456	TDV1010-04-**-**-10
		317678	941100		TDV1010-05-**-**-10
580215	923501	355641	941101	16662	TDV1010-06-**-**-10
		331813	941102		TDV1010-07-**-**-10



Thread Shaft into Intermediate Shaft until bottomed then back off 1/4 turn (approx. .020 gap). Install Coupling & 123785 Retaining Ring to hold Coupling in place.

Δ Included in 920220 Seal Kit

⁎ Also included in Cartidge Kit

Model Code

TA1919 V1010 * * -2 * * - ** - ** * * * * * - 21

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

1 Double Transmission Pump

Each rated @ 19 USgpm @1800 rpm

2 Auxiliary Vane Pump

3 Vane Pump Cover

P - Priority
Omitted - STD cover

4 Rotation
(Viewed from shaft end)

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

5 Input Shaft

2 - SAE B-B Spline

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

Code	Pump #1	Pump #2
A	RH side	RH side
B	LH side	RH side
C	RH side	LH side
D	LH side	LH side

7 Main Relief Valve

R - Relief valve
O - No relief valve

8 Shaft End Vane Pump Ring
(Capacity @ 1200 rpm)

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

9 Cover End Vane Pump Ring
(Capacity @ 1200 rpm)

01 - 1 USgpm
02 - 2 USgpm
03 - 3 USgpm
*** 04** - 4 USgpm
*** 05** - 5 USgpm
06 - 6 USgpm
07 - 7 USgpm
* "P" Cover

10 Vane Pump Outlet Port #1
(Position viewed from cover end)

A - In line with case drain
C - 180° Opposite case drain

11 Vane Pump Inlet Port
(Viewed from cover end)

A - Opposite outlet 1
B - 90° CCW from outlet
C - In line with outlet 1
D - 90° CW from outlet

12 Vane Pump Inlet Port #2
(Viewed from cover end)

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

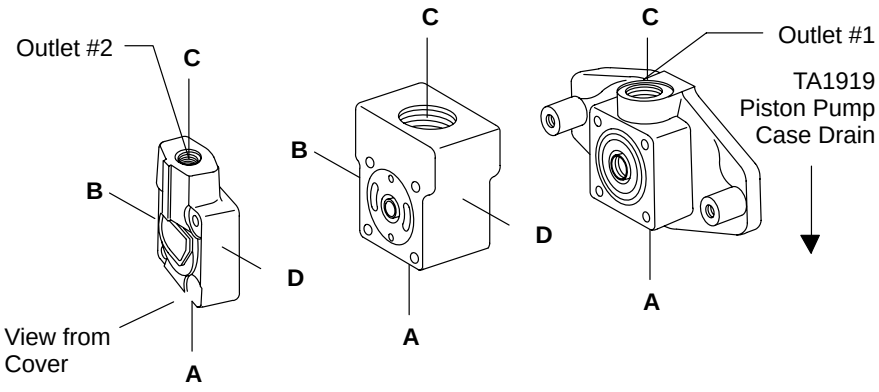
13 Flow Rate thru orifice "P"
(Located in the cover)

1, 2, 3, 4, 5, 6, or 7 USgpm

14 Cover End Vane Pump Relief Valve Setting
("P" cover only)

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

15 Design



For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 18/16/13 or cleaner. Selections from Eaton OFP, OFR, and OFRS series are recommended.

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