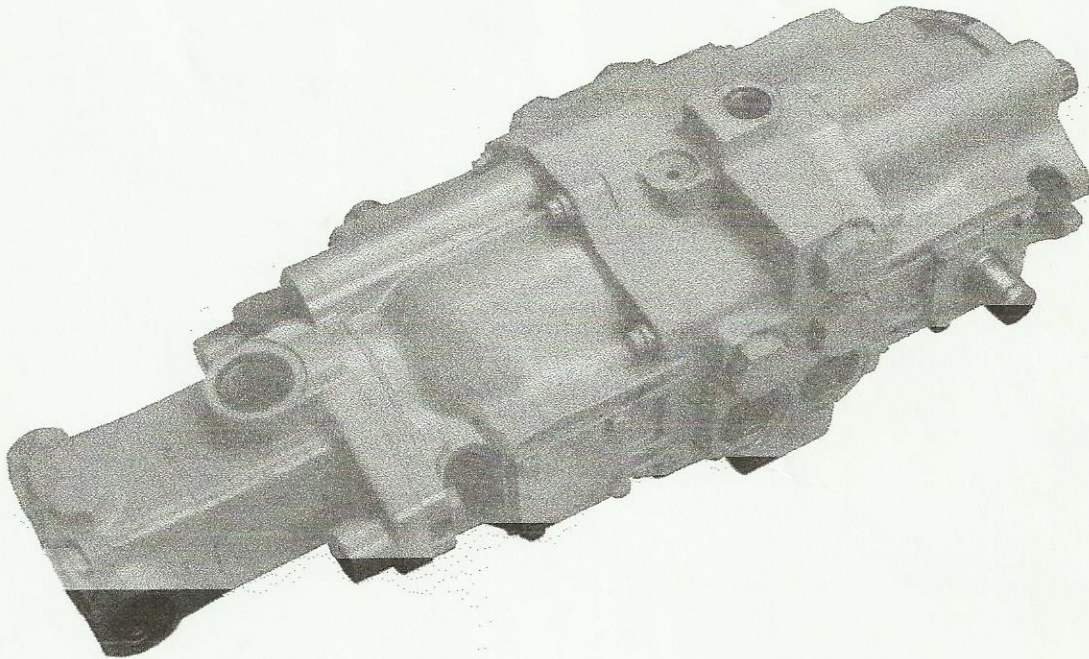




# Service Parts Information

Double  
Transmission  
Pump  
Package

TA1919V10\* -20/-21 Design



Vickers, Incorporated

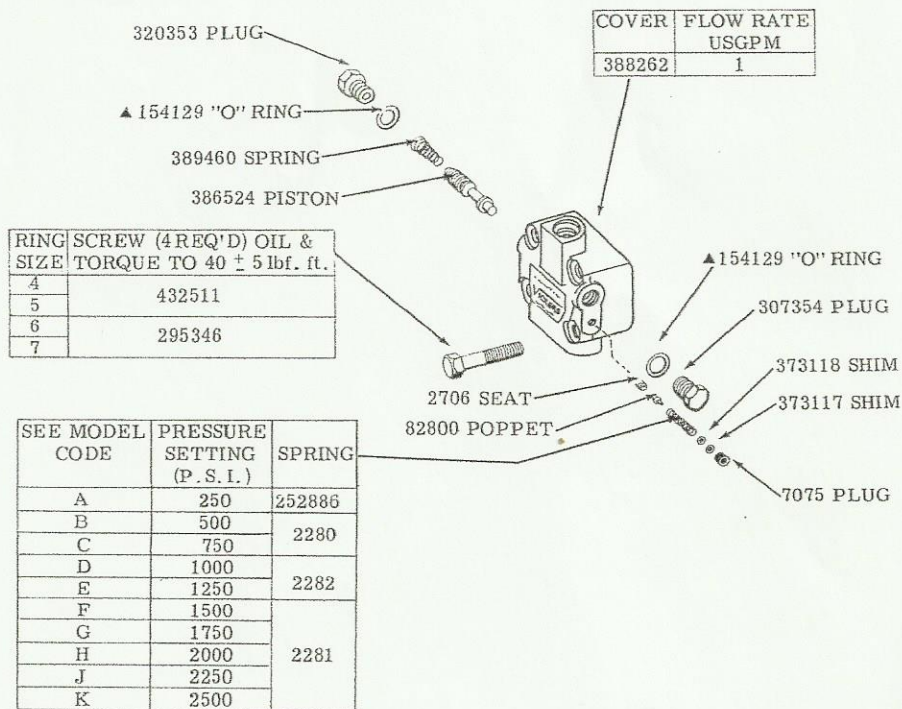
1401 Crooks Road

*Troy, Michigan 48068*

Revised 8-1-87

M-2834-S

### PRIORITY VALVE COVER



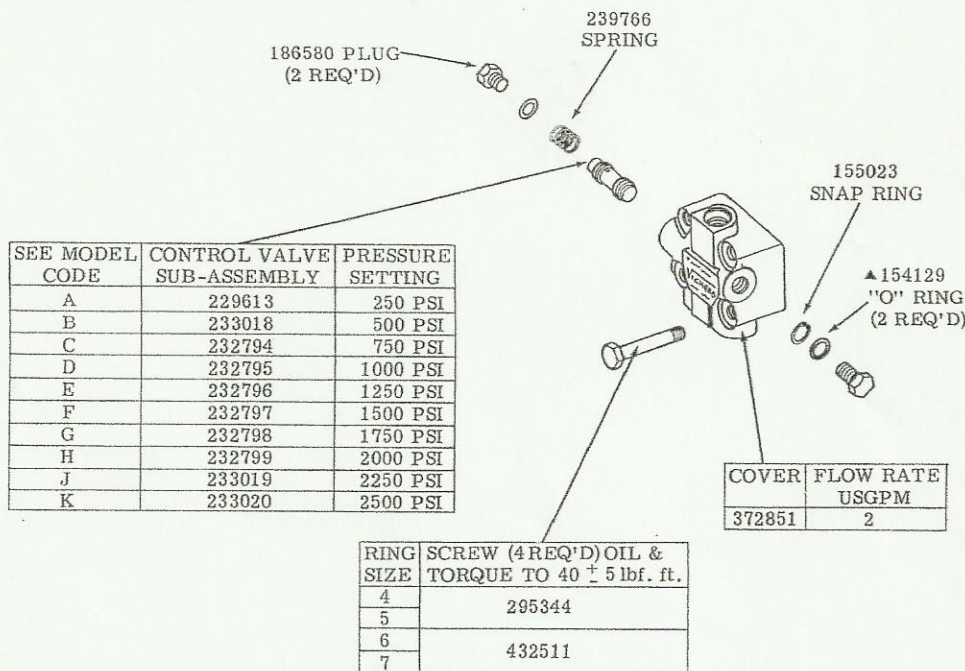
### DOUBLE TRANSMISSION VA

MOI
V10-***
V10-***
V10-***
V10-***

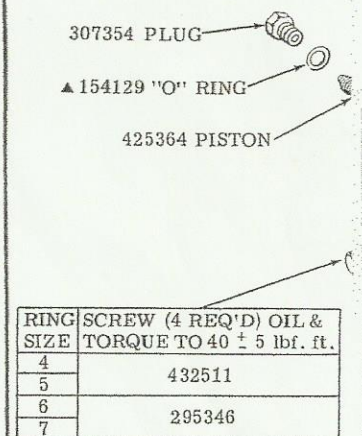
372865 STAND. COVER

1278 SCREW (4 REQ'D) OIL & TORQUE TO 40 ± 5 lbf. ft.

### FLOW CONTROL COVER



### FLOW DIVIDER VALVE COVER

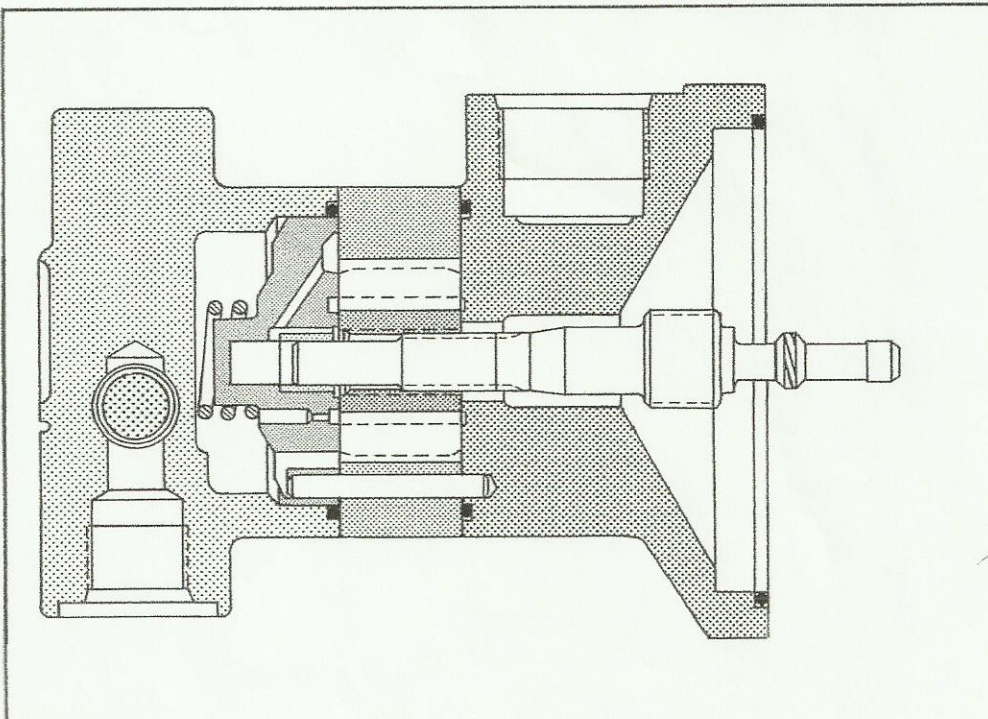
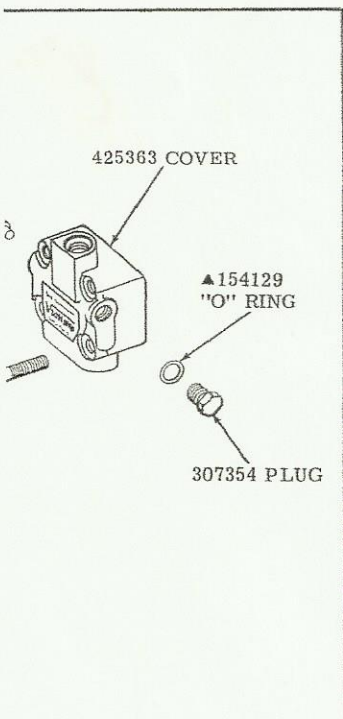
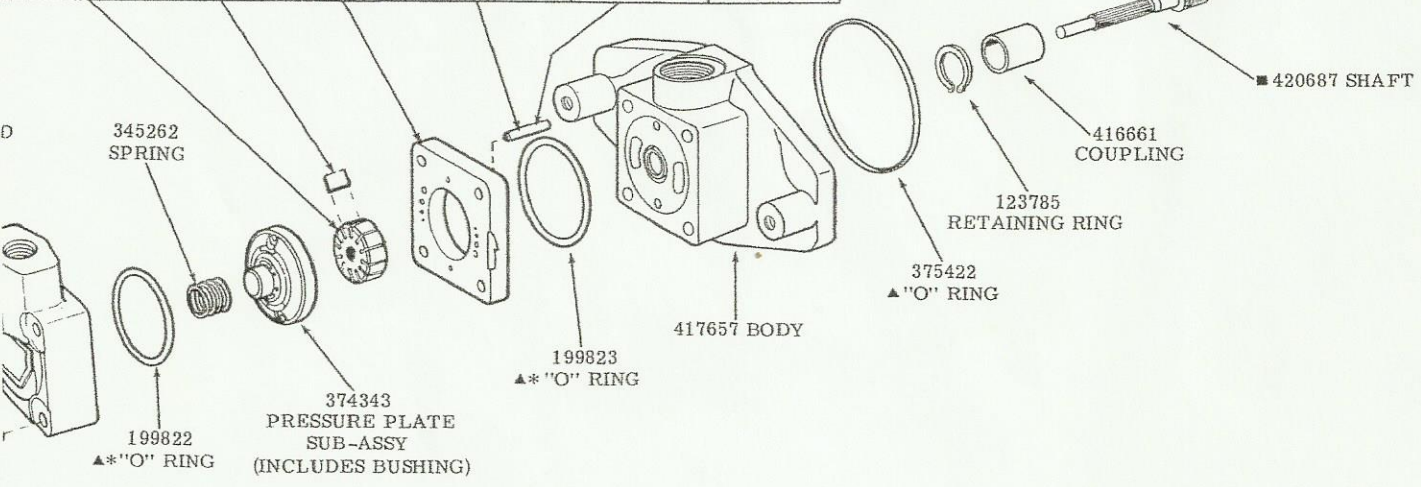


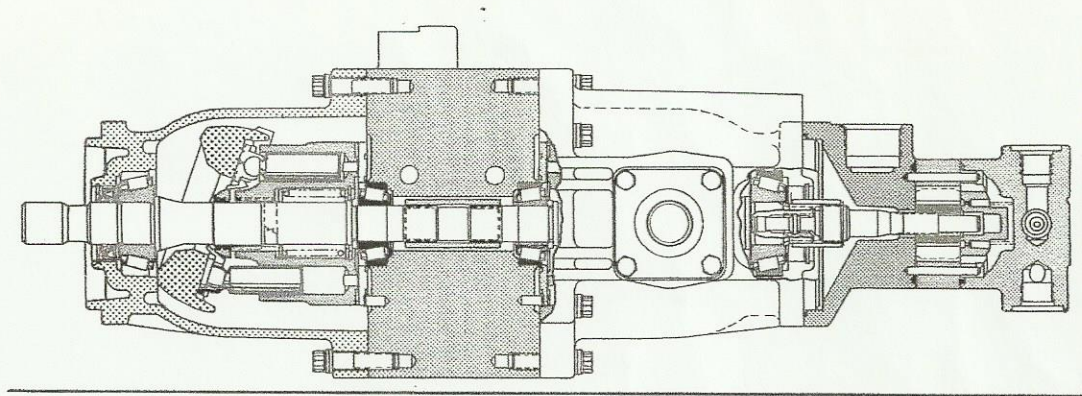
**PUMP**

▲ SERVICED IN SEAL KIT NUMBER 923937  
 \* INCLUDED IN CARTRIDGE KIT

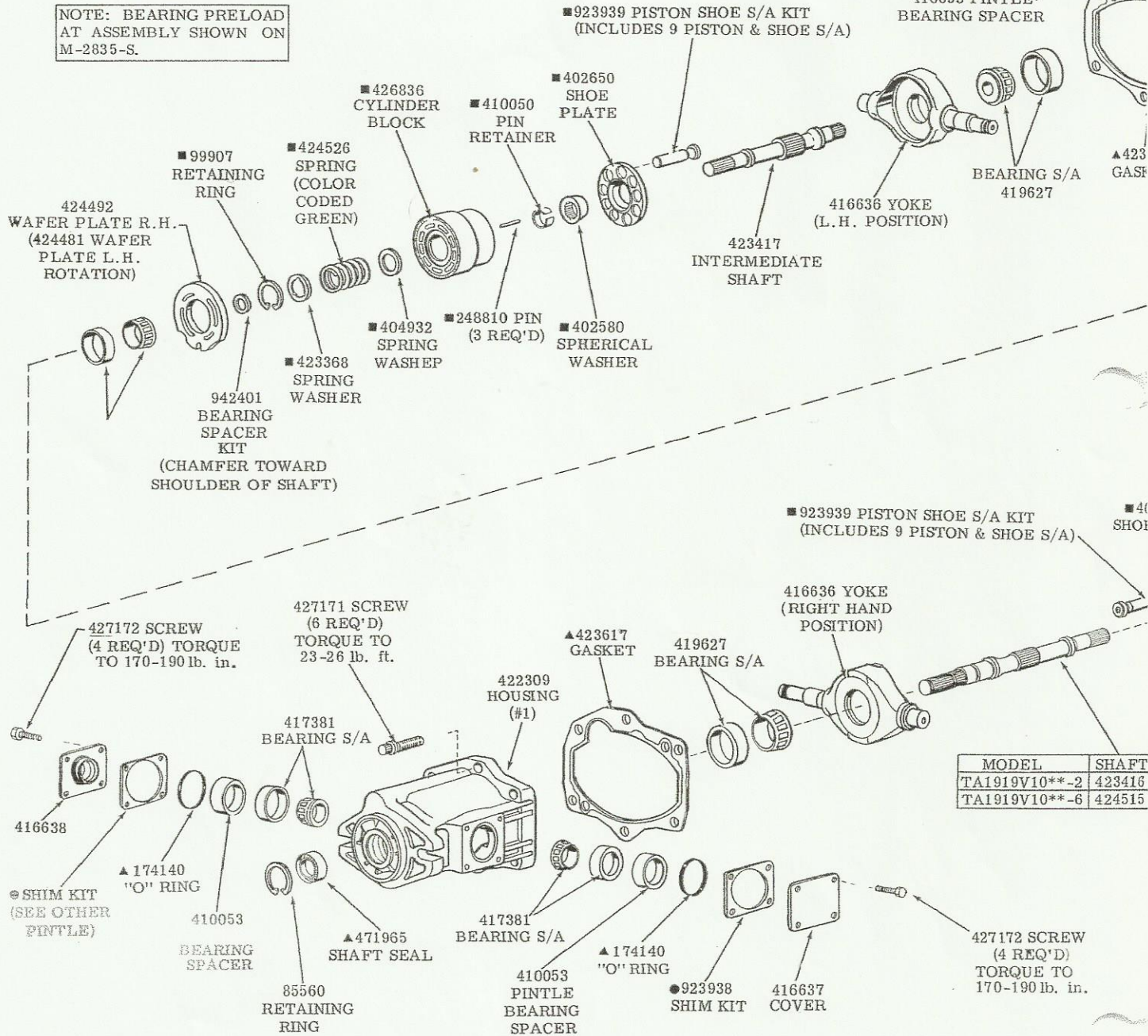
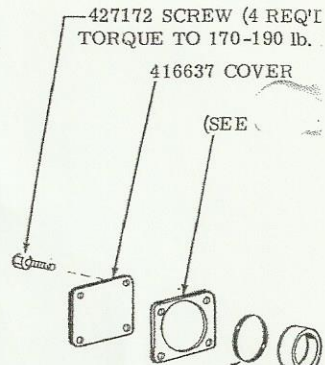
■ THREAD SHAFT INTO INTERMEDIATE SHAFT UNTIL BOTTOMED THEN BACK OFF 1/4 TURN. (APPROX. .020 GAP.), INSTALL COUPLING AND 123785 RETAINING RING TO HOLD COUPLING IN PLACE.

	INCLUDED IN CARTRIDGE KIT			P, F, & D COVER PIN (2 REQ'D)	STD. COVER PIN (2 REQ'D)	CARTRIDGE KIT
	ROTOR	VANE KIT (12 VANES)	RING			
**20	351247	923500	317677	2456	39640	923469
**20			317678			923468
**20	357286	923501	355641	351963	16662	923497
**20			331813			923498





NOTE: BEARING PRELOAD AT ASSEMBLY SHOWN ON M-2835-S.



MODEL	SHAFT
TA1919V10**-2	423416
TA1919V10**-6	424515

**WARNING: USE THIS DRAWING FOR PARTS INFORMATION ONLY.**



# MODEL CODE BREAKDOWN

TA1919V1OFL-2AR-07AD625H2\* - \*\*\*

**DOUBLE TRANSMISSION PUMP**  
Each rated at 19 USGPM at 1800 rpm

**AUXILIARY VANE PUMP**

**VANE PUMP COVER OPTION (OMIT IF NOT REQUIRED)**

D - Flow divider  
F - Flow control  
P - Priority flow  
OMITTED - Standard Cover

**ROTATION VIEWED FROM SHAFT END**

R - Right hand (clockwise)  
L - Left hand (c' clockwise)

**INPUT SHAFT**

2 - SAE B-B spline  
6 - SAE B-B spline (long)

**CONTROL PINTLE LOCATION VIEWED FROM SHAFT END WITH DRAIN PORT UP**

CODE	PUMP #1	PUMP #2
A	Right hand side	Right hand side
B	Left hand side	Right hand side
C	Right hand side	Left hand side
D	Left hand side	Left hand side

**MAIN RELIEF VALVE**

R - Relief valve  
O - No relief valve

**VANE PUMP RING CAPACITY AT 1200 RPM-USGPM**

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

SPECIAL

DESIGN -20/-21

**VANE PUMP RELIEF VALVE SETTING, "F" & "P" COVER**

A - 250 psi	G - 1750 psi
B - 500 psi	H - 2000 psi
C - 750 psi	J - 2250 psi
D - 1000 psi	K - 2500 psi
E - 1250 psi	O - No relief valve
F - 1500 psi	

**FLOW RATE THROUGH ORIFICE IN "F" COVER**

2, 3, 4, 5, 6, 7 or 8 USGPM

**FLOW RATE THROUGH ORIFICE IN "P" COVER**

1, 2, 3, 4, or 6 USGPM

**PERCENT OF SECONDARY FLOW ("D" COVER)**

**POSITION OF VANE PUMP OUTLET PORT, VIEWED FROM COVER END**

A - Opposite inlet  
B - 90° c' clockwise from inlet  
C - In line with inlet  
D - 90° clockwise from inlet

**VANE PUMP INLET PORT POSITION VIEWED FROM COVER END**

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

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 19/15 or cleaner. Selections from Vickers OFP, OFR, and OFRS series are recommended.