

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

SEE DOUBLE TRANSMISSION VANE PUMP EXPLODED VIEW SHOWN ON BACK PAGE.

MODEL CODE BREAKDOWN

TA1919V10FL-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

MODEL	SHAFT
	423416
424515	

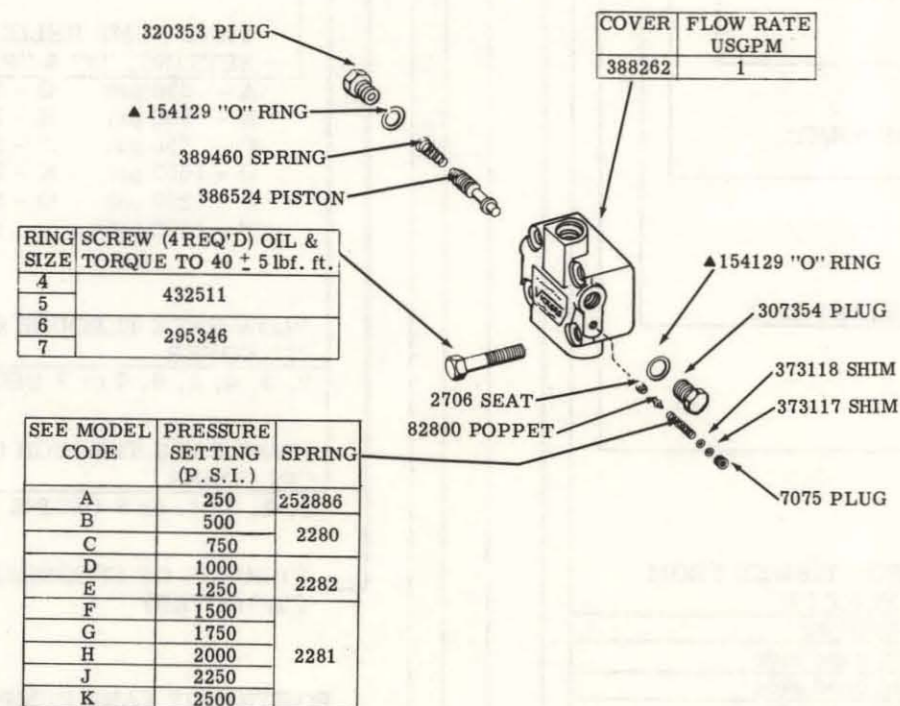
MODEL	REPLENISHING CHECK AND RELIEF VALVE KIT (4 REQ'D)	REPLENISHING CHECK (4 REQ'D)
	TA1919V10**-*R	942429 - 5000 PSI
TA1919V10**-*01 SUFFIX	942430 - 3500 PSI	NONE
TA1919V10**-*0	NONE	416645
TA1919V10**-*014 SUFFIX	942428 - 3000 PSI	NONE
TA1919V10**-*016 SUFFIX	942427 - 4000 PSI	NONE

CAUTION
REPLENISHING CHECK/RELIEF 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.

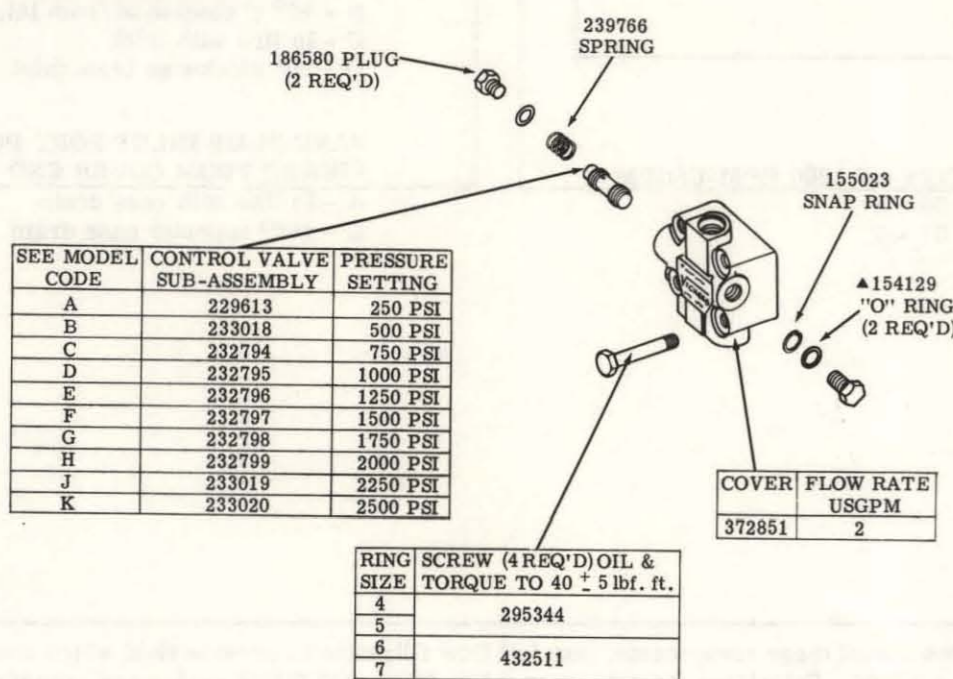
WARNING: USE THIS DRAWING FOR PARTS INFORMATION ONLY. SEE OVERHAUL MANUAL M-2835-S FOR MAINTENANCE INFORMATION

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.

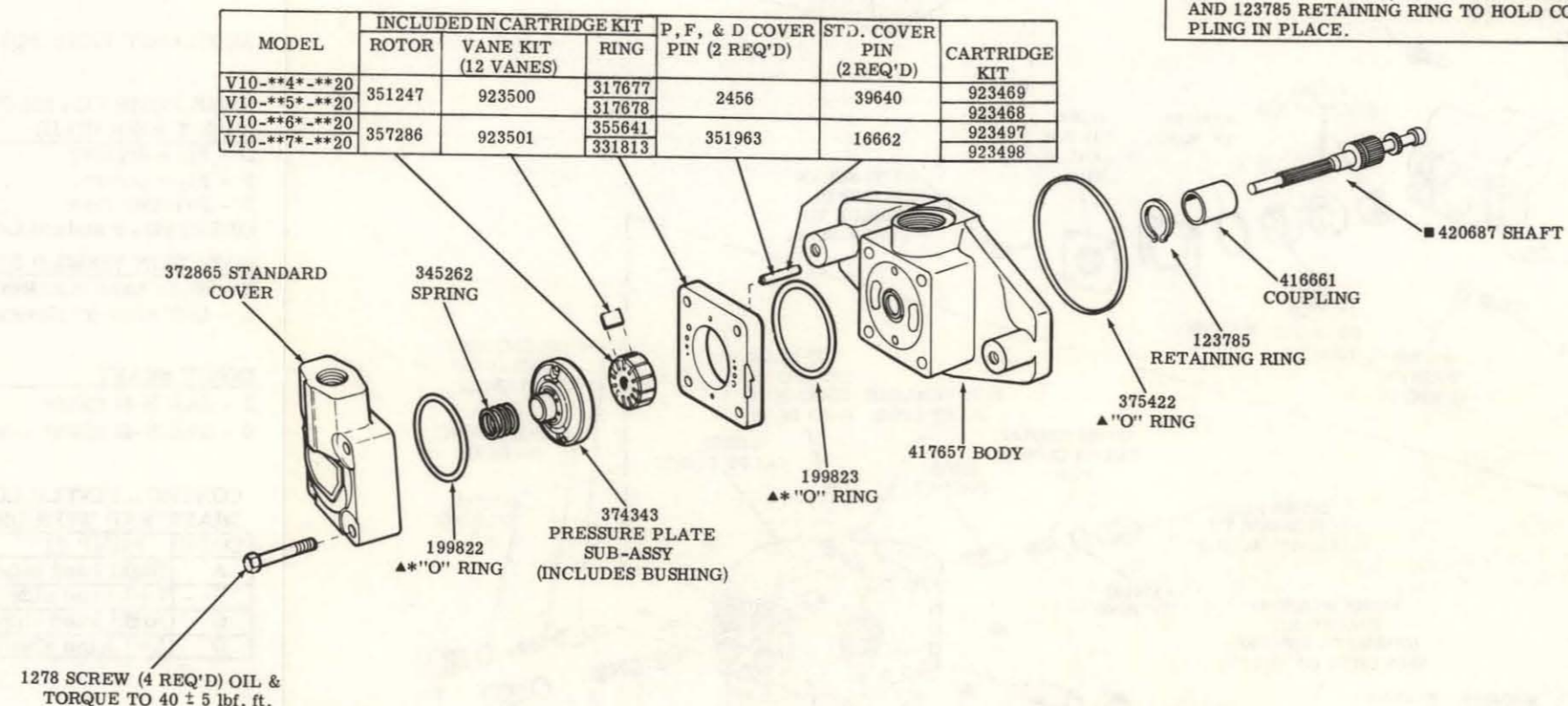
PRIORITY VALVE COVER



FLOW CONTROL COVER



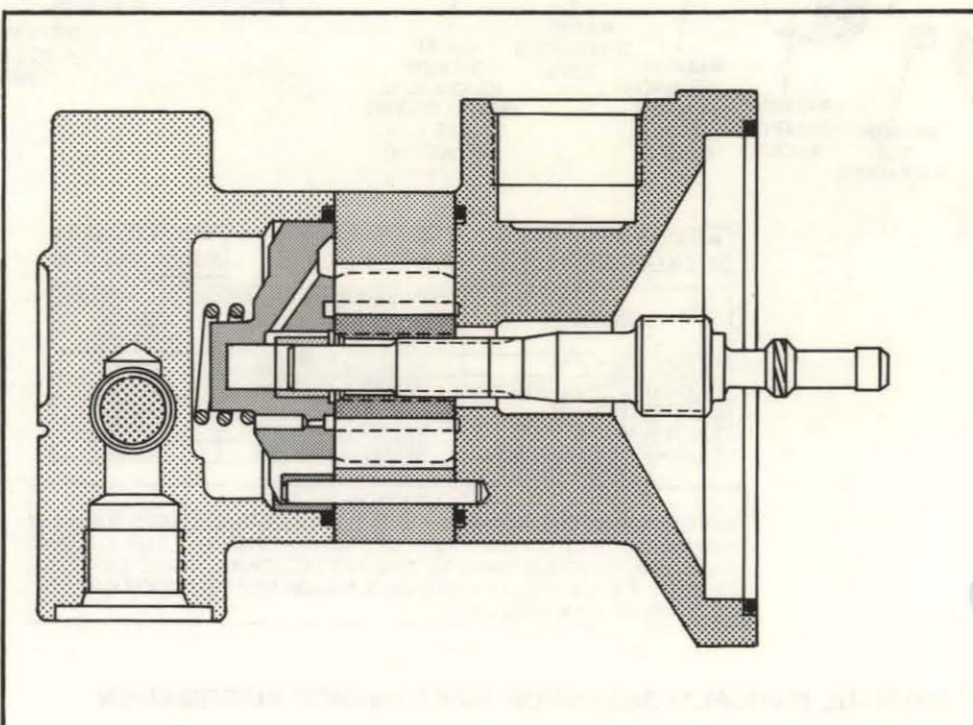
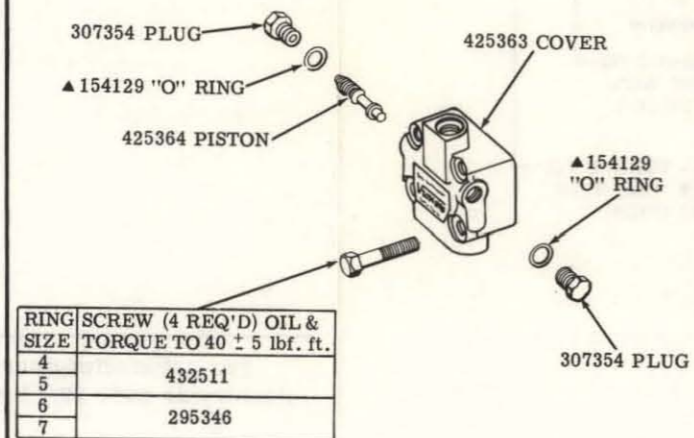
DOUBLE TRANSMISSION VANE PUMP



▲ 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.

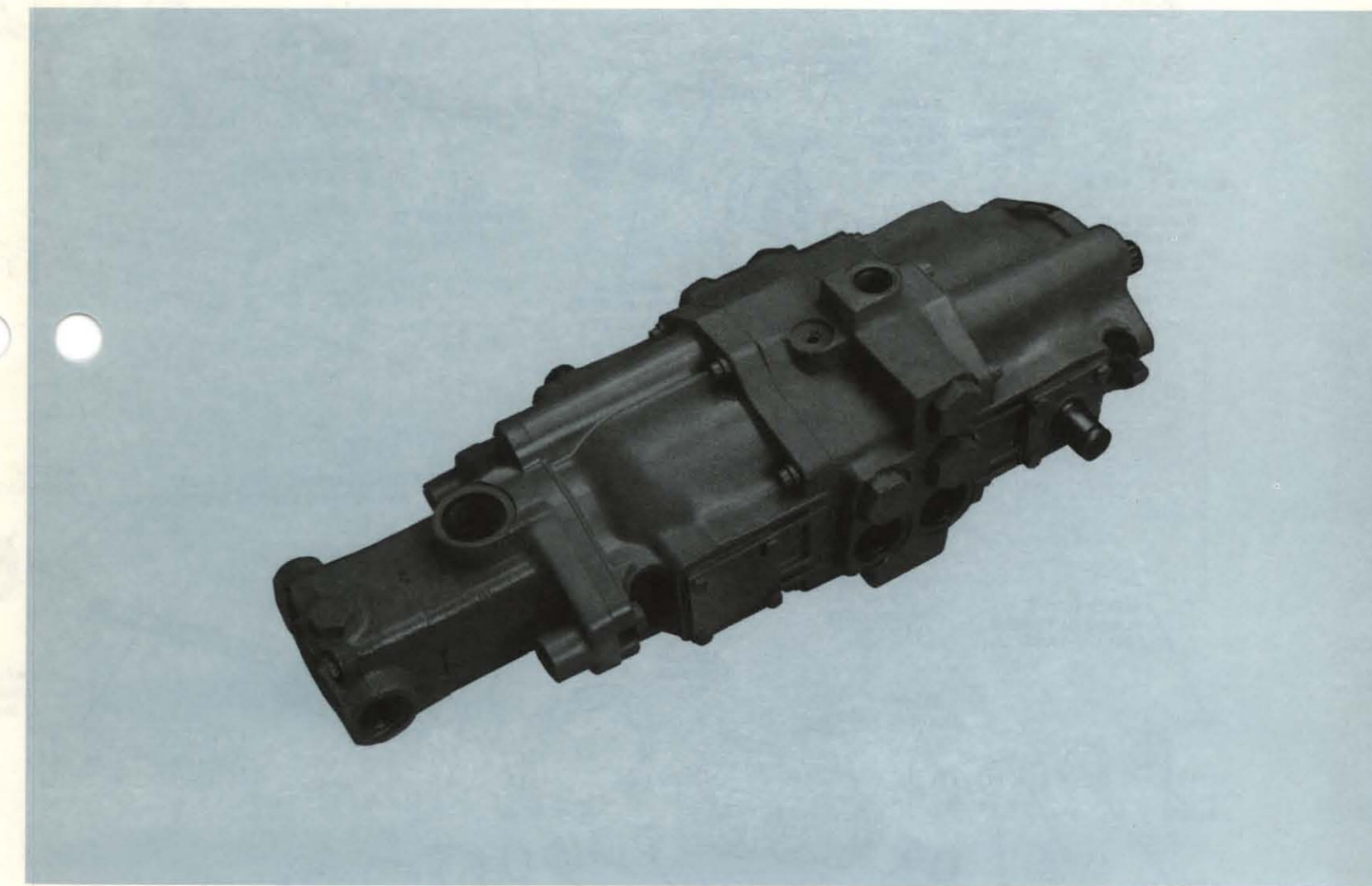
FLOW DIVIDER VALVE COVER



Service Parts Information

Double Transmission Pump Package

TA1919V10* -20/-21 Design



Vickers, Incorporated

P.O. Box 302
Troy, Michigan 48007-0302

Revised 8-1-87

M-2834-S