

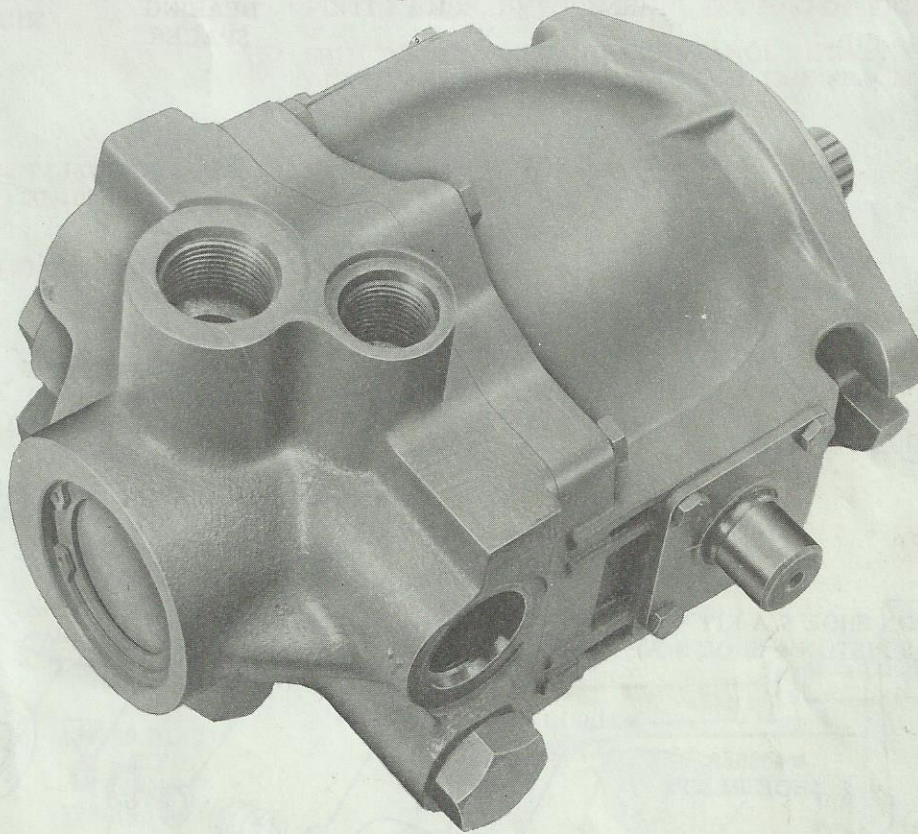
VICKERS®

A TRINNOVA COMPANY

Service Parts Information

Variable
Transmission
Pump with
Charge
Pump

TA19*-***-21

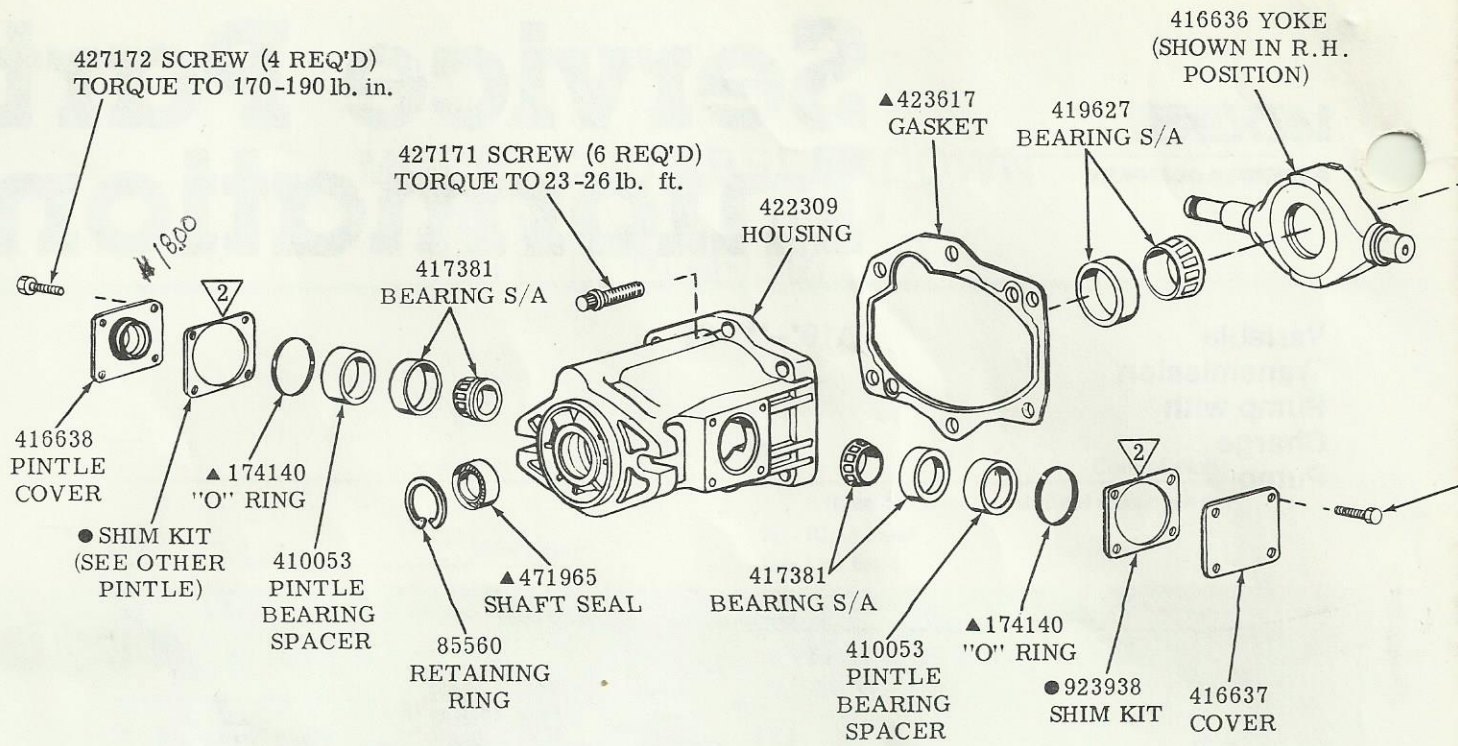


Vickers, Incorporated

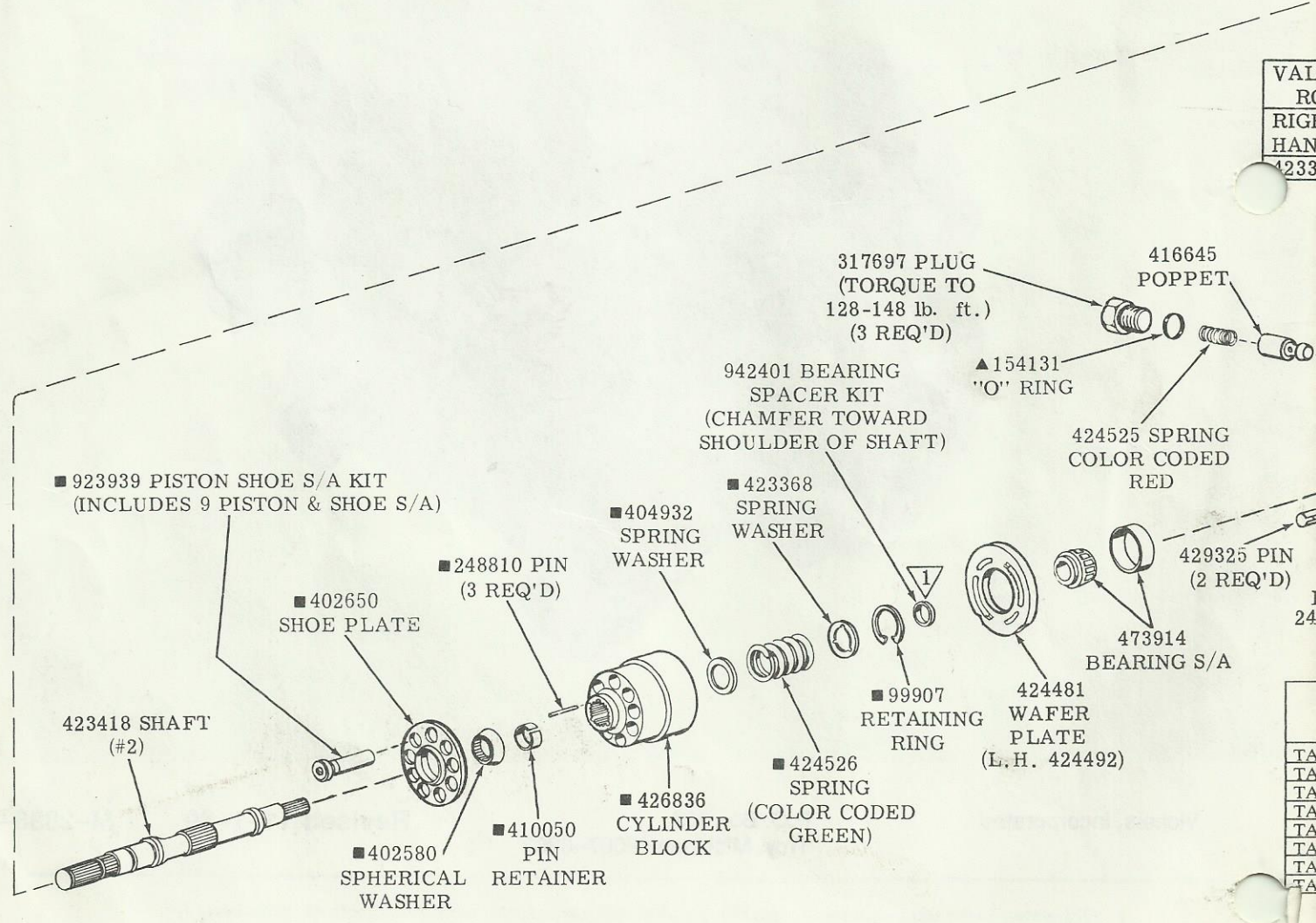
P.O. Box 302
Troy, Michigan 48007-0302

Revised 11-1-89

M-2838-S



VAL
RC
RIG
HAN
4233



24

TA
TA
TA
TA
TA
TA
TA

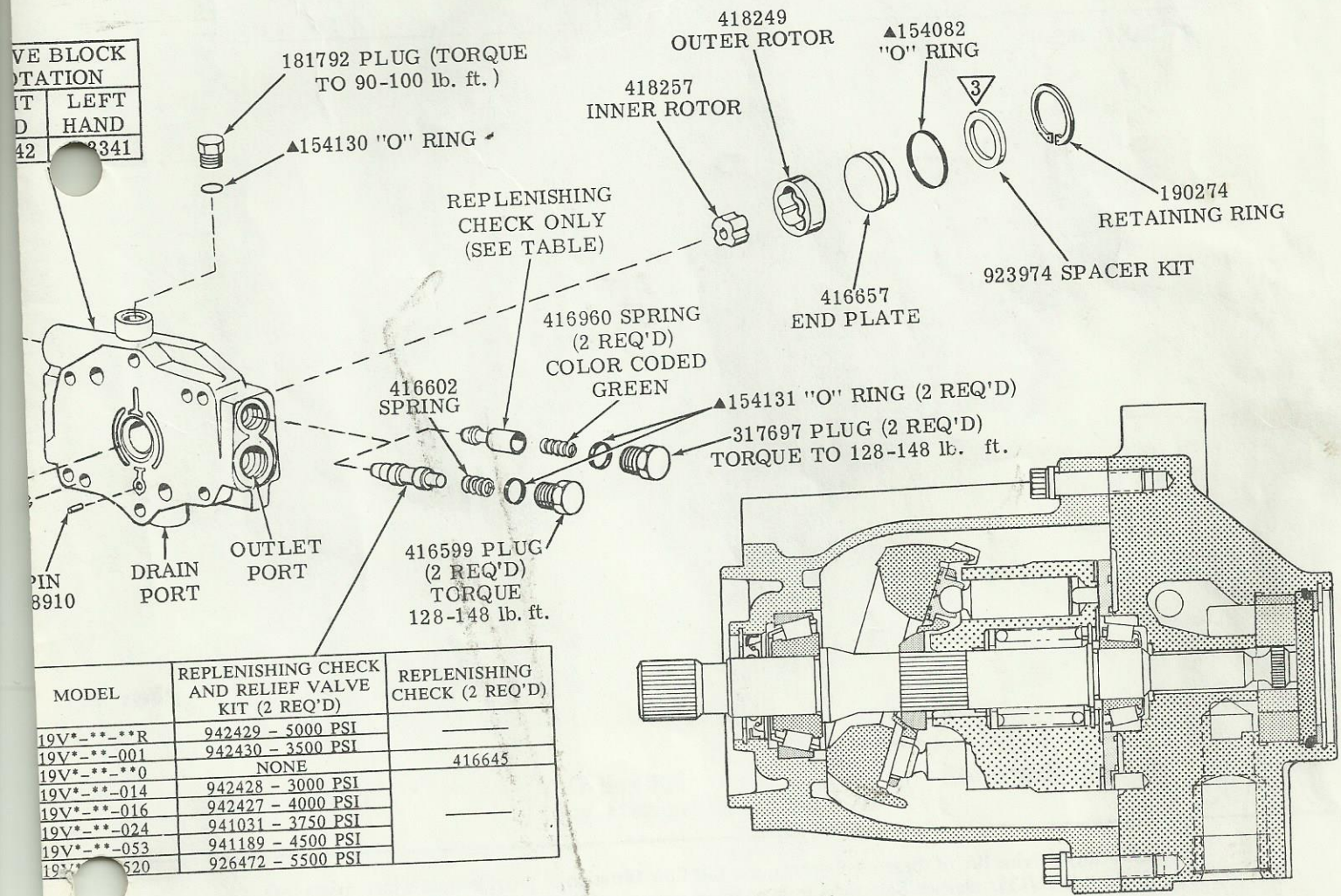
INCLUDED IN	
▲ SEAL KIT PISTON PUMP	923942
BEARING SPACER KIT	942401
● SHIM KIT	923938
■ ROTATING GROUP KIT	923936
PISTON/SHOE S/A KIT (INCLUDES 9 PISTON & SHOE S/A)	923939

NOTE
DO NOT USE GREASE IN ASSEMBLY OF THIS UNIT.
PARTS ARE TO BE FLOODED WITH CLEAN HYDRAULIC
FLUID DURING ASSEMBLY. "O" RINGS AND SHAFT
SEALS MAY BE LUBRICATED WITH A VISCOSITY
IMPROVER (STP OR EQUIVALENT)

- 1 INSTALL SPACER AS REQUIRED TO PROVIDE .001 TO .003
SHAFT PRELOAD. SHAFT MUST BE ROTATED UNDER
PRELOAD, TO ALIGN BEARING ROLLERS AT BOTH ENDS,
BEFORE FINAL SETTING OF PRELOAD.
- 2 SHIM .007 TO .009 PRELOAD. SWING YOKE UNDER
PRELOAD, TO ALIGN BEARING ROLLERS AT BOTH
PINTLE ENDS, BEFORE FINAL SETTING OF PRELOAD.
- 3 SHIM TO .001 MAXIMUM CLEARANCE BETWEEN END
PLATE AND RETAINING RING. USE ONE SPACER ONLY.

427172 SCREW (4 REQ'D)
TORQUE TO 170-190 lb. in.

VE BLOCK OTATION	
IT	LEFT
D	HAND
42	3341



MODEL	REPLENISHING CHECK AND RELIEF VALVE KIT (2 REQ'D)	REPLENISHING CHECK (2 REQ'D)
19V*...R	942429 - 5000 PSI	—
19V*...001	942430 - 3500 PSI	—
19V*...0	NONE	416645
19V*...014	942428 - 3000 PSI	—
19V*...016	942427 - 4000 PSI	—
19V*...024	941031 - 3750 PSI	—
19V*...053	941189 - 4500 PSI	—
19V*...520	926472 - 5500 PSI	—

MODEL CODE BREAKDOWN

TA 19 R - 2 * * - 21 - ***

1 2 3 4 5 6 7 8

1 Transmission pump

2 Flow rating

@ 1800 rpm
19 - 19 USgpm

3 Rotation
(Viewed from shaft end)

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

4 Input shaft

2 - SAE B-B Spline

5 Control pintle

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

A - Right hand
B - Left hand

6 Main relief valve

R - Relief valve
O - No relief valve

7 Design

8 Special feature

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.