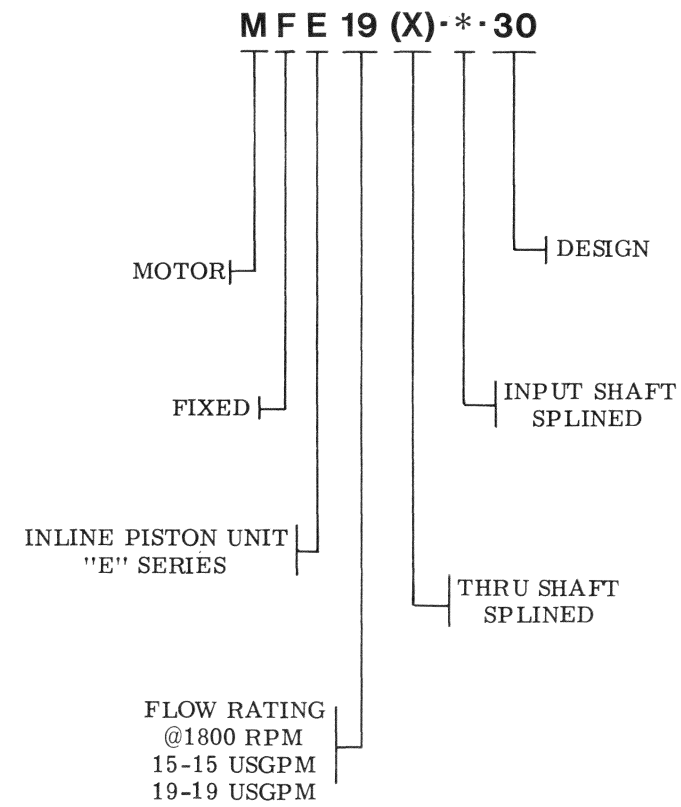


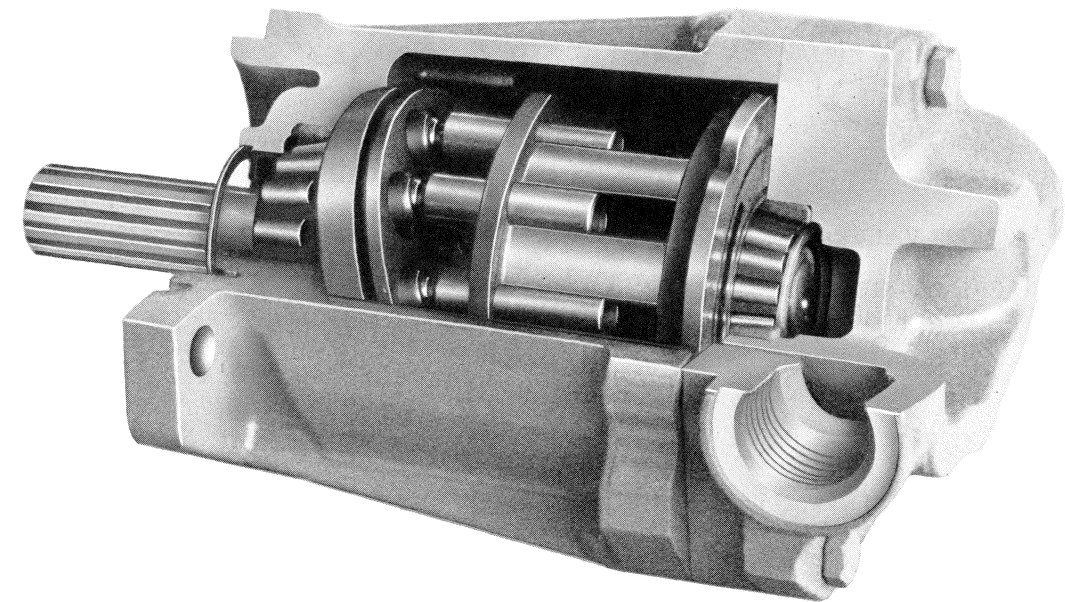
# Service Parts Information

## MODEL CODE BREAKDOWN



Fixed  
Displacement  
Transmission  
Motors

MFE15(X)-\*-30  
MFE19(X)-\*-30



Vickers, Incorporated

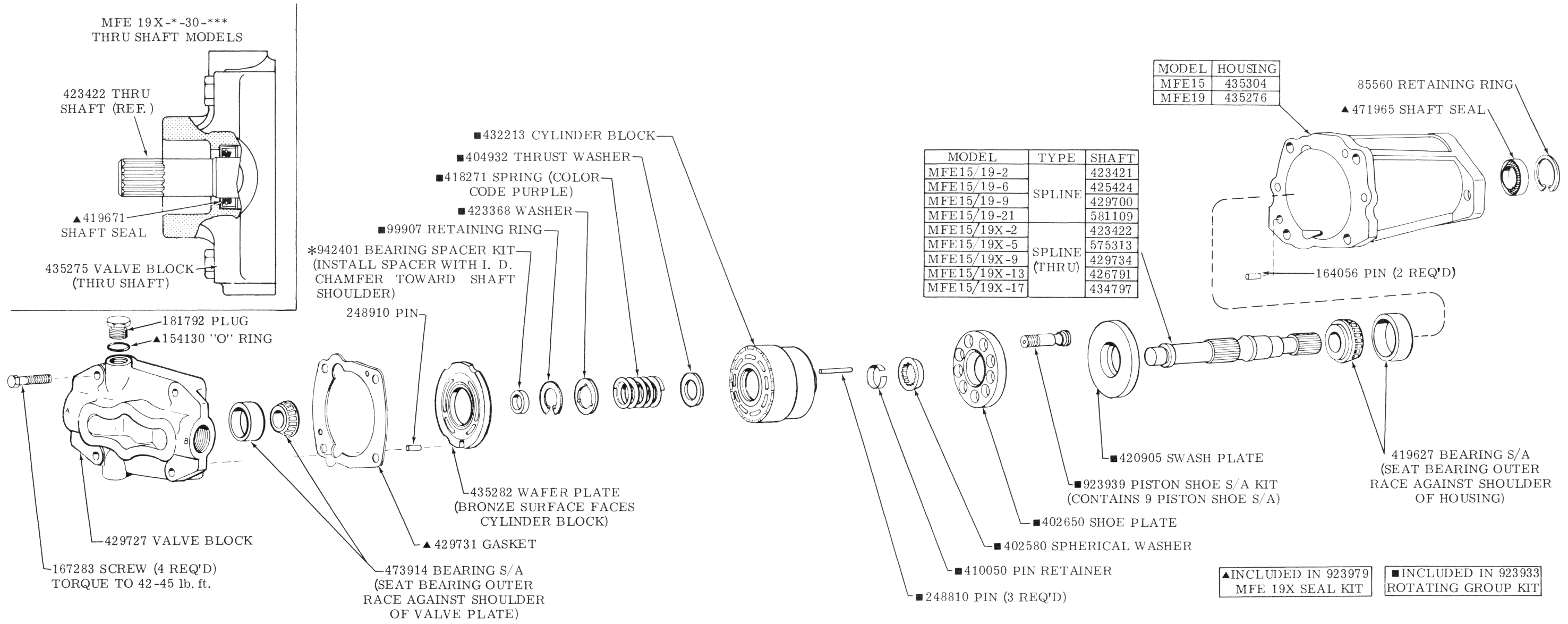
P.O. Box 302  
Troy, Michigan 48007-0302

Revised 11-1-85

M-2837-S

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.

MFE 19X-\* -30-\*\*\*  
THRU SHAFT MODELS



\* SHAFT BEARING PRELOAD ADJUSTMENT PROCEDURE

NOTE

If the shaft bearings, shaft, valve plate or housing were not replaced, use the bearing spacer removed during the disassembly procedure to preload the shaft. If preload is necessary, perform the following steps:

1. Install the thickest bearing spacer from the kit with chamfer facing toward shoulder of the shaft.
2. Slide tapered roller bearing over the shaft and up against the bearing spacer. The small diameter of the tapered roller bearing must face out of the housing.

3. Install valve plate to housing without gasket and rotating group. Turn the shaft to seat bearings then torque the four valve plate attaching screw to two (2) lb. in. Check the opening between the valve plate and housing to be as even as possible after tightening.

4. Use a feeler gage to measure the opening between valve plate and housing. Four (4) measurements should be obtained equidistant around the unit. A tapered feeler gage is especially useful for this purpose. Average the measurements by adding them together and dividing by four (4). Calculate thickness of the shaft bearing spacer as follows:

+0.150	Measured thickness of bearing spacer
-0.027	Average gap (assumed)
+0.003 ± 0.001	Preload setting
+0.020	Compressed thickness of gasket
<u>0.146 ± 0.001</u>	Required thickness of spacer to provide a 0.001 to 0.003 bearing preload.

5. Remove the large spacer and replace with one having the calculated dimensions.
6. Assemble the motor with rotating group and a new gasket. Cross torque the valve plate screws to 42-45 lb. ft.

