# Vickers<sup>®</sup>

#### **Service Data**

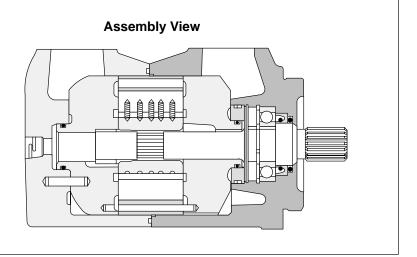
# **Vane Motors**



### **Vane Motor**

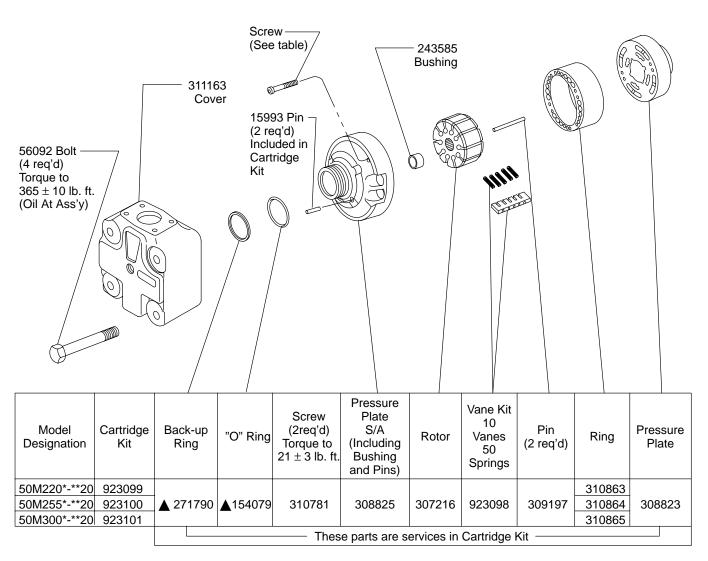
50M Series-20 Design

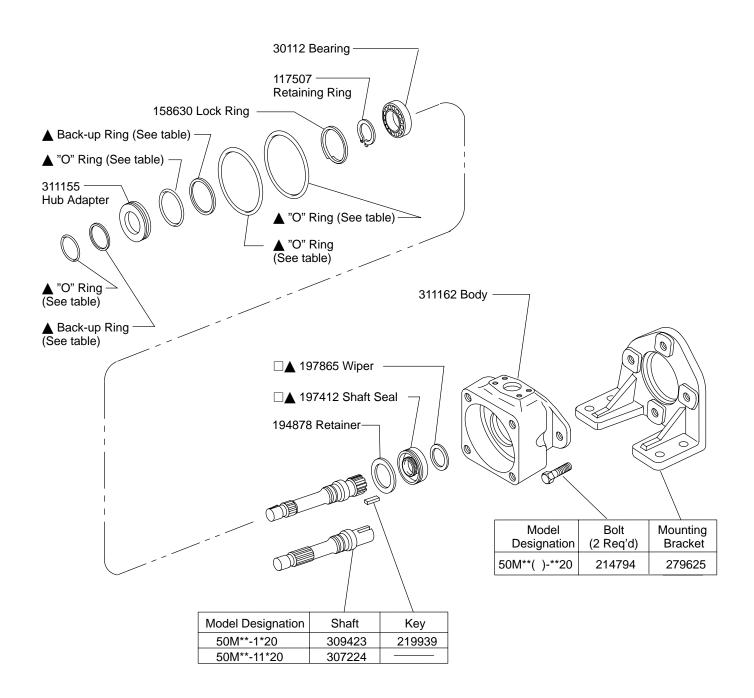




#### □ Note

Saturate the felt wiper with oil before assembly. Also, apply a small amount of grease to inner circumference of seal before installation of shaft. Assemble seal with lip toward bearing.

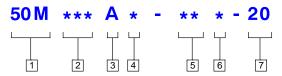




Model Designation	Cartridge Kit	"O" Ring	Back-up Ring	"O" Ring	Back-up Ring	"O" Ring	"O" Ring
50M220*-**20 50M255*-**20 50M300*-**20	923100	▲154079	▲271790	▲154089	▲271803	▲279255	▲154114
		These parts are services in Cartridge Kit					

▲Included in 923096 Seal Kit

#### **Model Code**



- 1 Model Series
- 50M Vane motor
- 2 Ring Capacity Torque Rating (lb. in. per 100 PSI)
- **220** 220 lb. in.
- **255** 255 lb. in.
- **300** 300 lb. in.
- **3 Port Connections**
- A 4 bolt flange

- 4 Bracket Mounting (Viewed from shaft end)
- Body port @ 12 o'clock 2 -
- Body port @ 3 o'clock 3 -
- Body port @ 6 o'clock
- Body port @ 9 o'clock
- 5 Shaft Type
- 1 Straight keyed
- 11 Splined

- 6 Port Locations (Viewed from cover end)
- A Cover port opposite body port
- **B** Cover port 90° CCW from body port
- C Cover port in line with body port
- D Cover port  $90^{\circ}\,$  CW from body port
- 7 Design Number
- 20

For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 20/18/15 or cleaner. Selections from Eaton OFP, OFR, and OFRS series are recommended.