

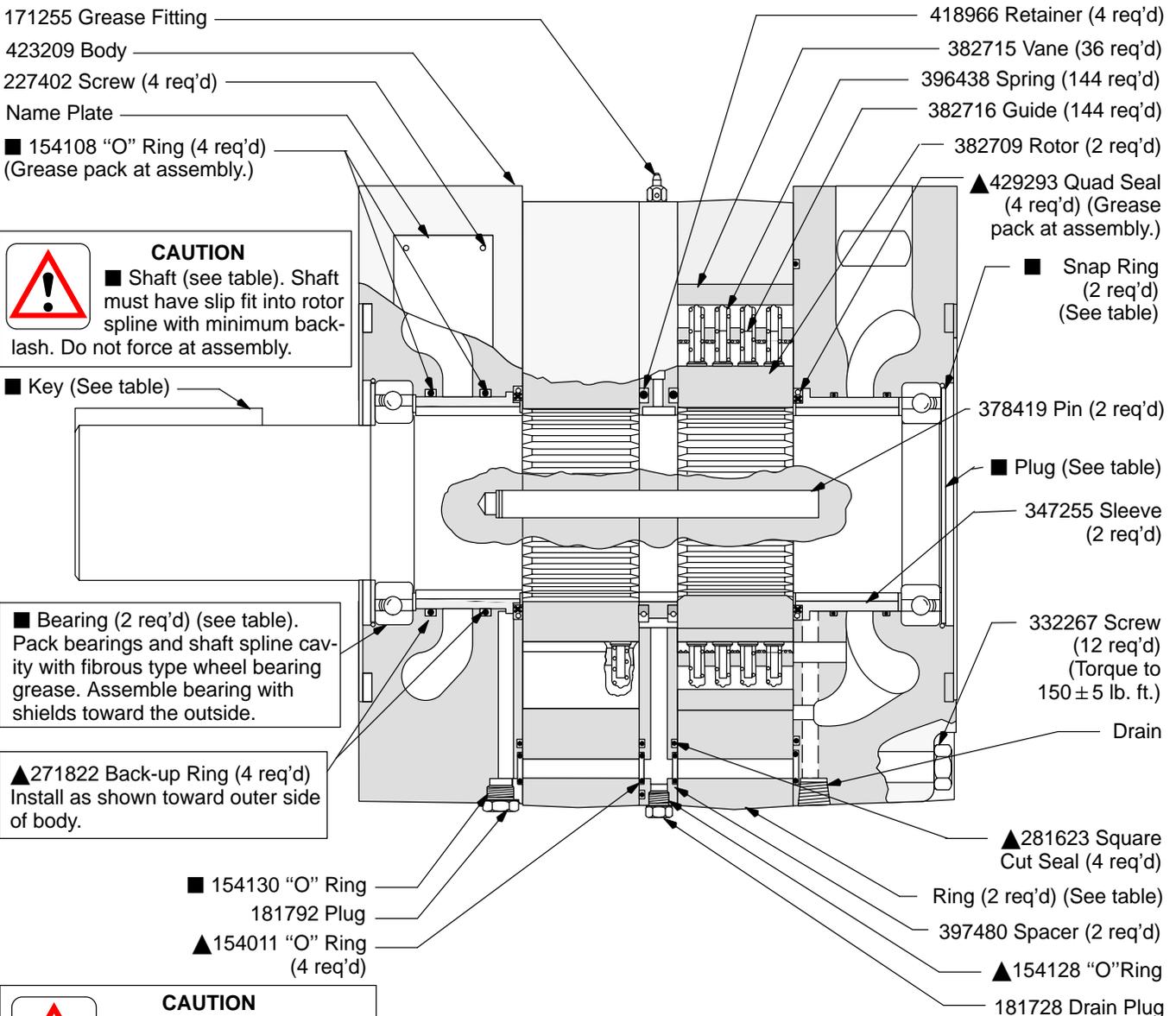
# Vane Motors



## Multi-Torque Vane Motors

### MHT Series 380/440/500

Model	Shaft	Snap Ring (2 req'd)	Key	Bearing (2 req'd)	Ring	Plug	■ Omit for N1 Models
MHT-380-*1-30	377512	354386	332265	310539	364468	7074	Std/F3 Seal Kit Cross Reference ▲Std 919885 F3 919886
MHT-440-*1-30					375223		
MHT-500-*1-30					343826		



**CAUTION**  
 ■ Shaft (see table). Shaft must have slip fit into rotor spline with minimum backlash. Do not force at assembly.

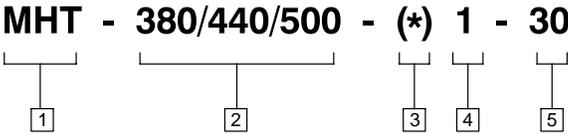
■ Bearing (2 req'd) (see table). Pack bearings and shaft spline cavity with fibrous type wheel bearing grease. Assemble bearing with shields toward the outside.

▲ 271822 Back-up Ring (4 req'd)  
Install as shown toward outer side of body.

**CAUTION**  
 When assembling cartridge, insert vanes in rotor slots at the minor diameter of cam ring. Rotate cartridge one complete revolution prior to assembly with bodies. This prevents misalignment of springs and guides.

**CAUTION**  
 Assemble both rings and spacer with case drain located as shown. (Not rotated with hole at top.)

# Model Code



**1 Model Series**  
High torque, low speed vane motor

**3 Shaft**  
N - No shaft and bearings  
R - Solid shaft

**5 Design**

**2 Combination of Theoretical Torque in Lb.-Ft. per 100 P.S.I. Differential Pressure**

**4 Keyed Shaft**  
(When provided)

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner. Selections from pressure, return, and in-line filter series are recommended.