



Installation Instructions

Cable-Hose Reel and Hose Reel Hub Seal Service Kit 677833

These instructions describe the procedures to install new hub seals provided in Service Kit 677833. The kit contains 2 split back-up rings, 2 solid back-up rings and 3 O-rings.

- 1 Remove the seals from the hub. Avoid scratching the grooves. Clean the hub and shaft with solvent.
 - The sealing surface on the shaft is nickel plated. If minor surface imperfections are noted, use emery cloth (320 Grit) to lightly smooth up. If sharp edges or grooves are found, shaft replacement is necessary. See figure 1.
 - Hub grooves must be free of sharp nicks or projections to prevent cutting the outside diameter of the O-rings during installation. See figure 1.
- 2 Lubricate the bore of the hub with hydraulic oil.
- 3 Install the **split** back-up rings in the **center hub groove**. Place a portion of the ring in the groove, then bend as required to install. See figure 2.
- 4 Install the **solid** back-up rings in the **outer hub grooves**. Place a portion of the ring in the groove, then bend as required to install. See figure 2.
- 5 Install the O-ring seals as shown.
- 6 Lubricate the seals and shaft with hydraulic oil.
- 7 Rotate the hub slowly as you slide it onto the shaft. Install the outer snap ring.

Figure 1.

Inspect Hub Grooves

Inspect Shaft Sealing Surfaces

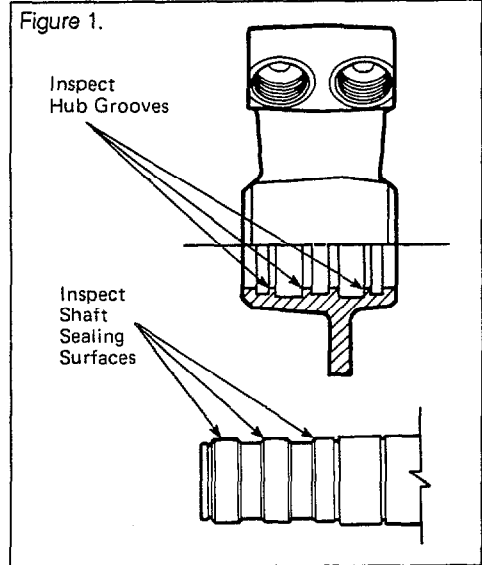
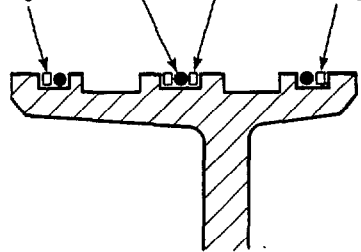


Figure 2.

Solid Back-up Ring O-Ring Split Back-up Ring Solid Back-up Ring



NOTE: This information should not be interpreted as the basis for warranty claims unless so designated.

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