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KML Poly-Guard IP69K Seal Kit End Shaft (Closed Cap) Installation Instructions (Fits KML Stand-Out Style Bearing Housings Only.)

1. Insure that the shaft is properly dressed with all sharp edges and imperfections smoothed and flush.
2. Lightly grease the OD of shaft with Mobil FM222 food grade lubricant or compatible equivalent.
3. Install the FKM v-ring (brown) onto the shaft end with beveled leading edge facing the conveyor frame or machine bulkhead. Push the v-ring approximately 1-1/2" on to the shaft. Place a small amount of Mobil FM222 food grade lubricant onto the back seal contact lip of the v-ring (the surface facing away from the conveyor frame or machine bulkhead).
4. Install the double-lip back seal into the counterbore in the back face of the bearing housing with the stainless steel garter spring facing the bearing. Apply a small amount of Mobil FM222 food grade lubricant into the area between the seal lips where they will contact the shaft.
5. Slide the bearing housing assembly onto the shaft, engaging the v-ring and move the bearing assembly into the final mounting position. Check to verify that the v-ring is in contact with the face of the back seal. Bolt the bearing housing securely into position. Tighten the shaft set screws to the recommended torque specifications for the applicable bearing size (440C torque specifications found on page 170 in KML NA117 Master Catalog).
6. KML recommends using food grade silicone sealant to mount the front cap. Place a small bead into the cap mounting counterbore for 270° of application diameter leaving 90° adjacent to the 6 o'clock cap mounting position free from sealant. This downward facing area will facilitate any moisture or condensation to evaporate from the cap. Mount the cap with the removal lug in the 12 o'clock position by engaging the bottom half of the cap into the mounting groove. Set the cap by striking the corner at the removal lug position with a rubber mallet or dead blow hammer. Check to make sure cap is secured for the entire circumference of the mounting groove.
7. Installation of IP69K seal kit is now complete. KML Corrosion Resistant bearings are filled with enough food grade lubricant from the factory for initial operating conditions. Do not overlubricate the bearings. Over lubrication can cause the bearings to over heat and/or dislodge the seals and cap destroying the hermetically sealed bearing enclosure.

Following this installation procedure will duplicate the IP69K water ingress results achieved by KML Bearing USA in our extensive product development and testing program. The IP69K test is the most difficult water ingress test procedure acknowledged as a global standard. Following this installation procedure will insure extended bearing operating life, reduce maintenance activities and improve equipment productivity.

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