

ABSTRACT

This document will instruct you on how to identify and install your replacement bearings correctly

PROCEDURE

During disassembly, make careful note of any parts in the upper bearing housing, and keep them on hand.

Identify Upper Bearing Installation

HOMA Pumps use, depending on the age and model of the unit, one of three possible upper bearing configurations:

With Locking Tab

If there is a locking tab plate (Fig. 1) installed on the pump, you will install a new locking tab with the new bearing. (This design requires a motor housing with a notch machined into the bearing shoulder.)



FIG. 1

With Load Spring

If there is a load spring (wavy washer) (FIG. 2.) installed on the pump, you will install a new load spring with the new bearing.



FIG. 2

Without Load Spring

If there is no locking tab plate and no load spring (wavy washer) (FIG. 2) installed on the pump, you will install the new bearing without additional parts.

Installing Upper Bearing with Locking Tab

You will need: Adhesive (3M Super 77 Adhesive or equivalent), Solvent Cleaner (e.g. brake cleaner), New Locking Tab (included in bearing kit)

- Identify housing side of locking tab. The housing side of the locking tab has ONE tab curved upwards. (FIG. 3)
- Clean housing side of locking tab, bearing fit, and bearing shoulder with solvent cleaner.
- Apply adhesive around the outside edge of the housing side of the locking tab.
- Place locking tab into upper bearing housing, **housing side first**, so the single tab fits into the rectangular notch.
- Install bearing on shaft with **notch (FIG. 4) facing up**.
- After adhesive is cured, continue installation as usual. (There is no need to line up the bearing notch with the locking tabs.)



FIG.3



FIG.4

Installing Upper Bearing with Load Spring

You will need: Grease, New Load Spring (included in bearing kit)

- Install bearing on shaft.
- Place a dab of grease on the top edge of the bearing before installing into bearing fit.
- Line new load spring up with the top of the bearing, center to center.
- Place load spring on bearing so the grease holds load spring in place.
- Install upper bearing housing.

Installing Tandem Lower Bearings

HOMA Pumps installed with tandem lower bearings utilize an “X-Arrangement,” face-to-face installation (FIG. 5). Install with wider inner races facing each other (FIG. 6).

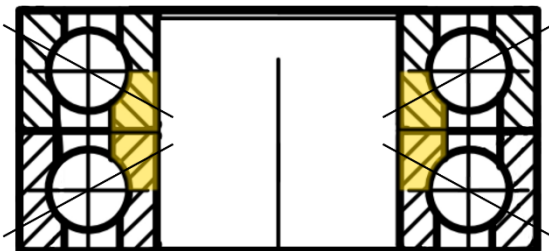


FIG. 5



FIG. 6