

ENGLISH: PAGES 2-16

NOTE! To the installer: Please make sure you



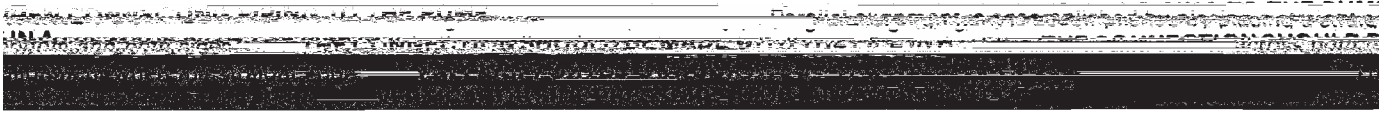
**CALIFORNIA PROPOSITION 65 WARNING:  
WARNING:**

**This product and related accessories contain chemicals known to the State of California to cause cancer,**



**STANDARD TERMS AND CONDITIONS**

This manual contains descriptions of the following:



7. If excessive vibration or noise occurs during start-up, shut the pump down and consult your nearest Fairbanks Nijhuis™ representative. Only Fairbanks Nijhuis qualified representatives should be engaged to service this equipment.
8. Keep the stuffing box adjusted so there is sufficient leakage to lubricate the packing and assure a cool stuffing box. (See maintenance instructions)
9. If the pumps are stored for a long period of time prior to installation and operation, refer to Fairbanks Nijhuis "Storage of Pumps Notice: Form KC1309, for applicable instructions.



Fairbanks Nijhuis™ pumps are equipped with high grade antifriction bearings, which are lubricated at the factory for approximately six months average service. Periodic inspections should be made by loosening the bearing covers enough to permit visual examination of the bearings. The cover and bearing and bearing cavity should be approximately half full of lubricant.



Regreasable bearings will require periodic lubrication and this can be accomplished by using the zerk or lubrication fitting at each bearing. Lubricate the bearings at regular intervals using high quality grease. For 5800F Series: The initial bearing lubrication at Aurora is Chevron SRI Grease NLGI 2 (polyurea thickener) (Pentair Part Number 384-0002-639). For 5800 Series: the initial bearing lubrication at Fairbanks Nijhuis is Lithium Base NLGI 2 grease from a reputable manufacturer. Before lubricating the bearings, thoroughly flushing the old grease with the new grease is required. We recommend Chevron SRI Grease NLGI 2 (polyurea thickener) for follow-up relubrication after the flushing. Most major brands of Grade No. 2 ball bearing grease are satisfactory for pump operation in both wet and dry applications.

- C. Clean the packing box and shaft sleeve.
- D. Inspect the shaft for any wear and damage. If the shaft is worn, it must be replaced.

Be aware that mixing of different brands or blends of grease should be avoided due to possible incompatibilities that could damage the bearings. A thorough flushing of the old grease with the new grease is required to minimize this potential incompatibility. Avoid using the following: (1) grease of vegetable or animal base that can develop acids or (2) grease containing rosin, graphite, talc or other impurities. Under no circumstances should grease be reused.

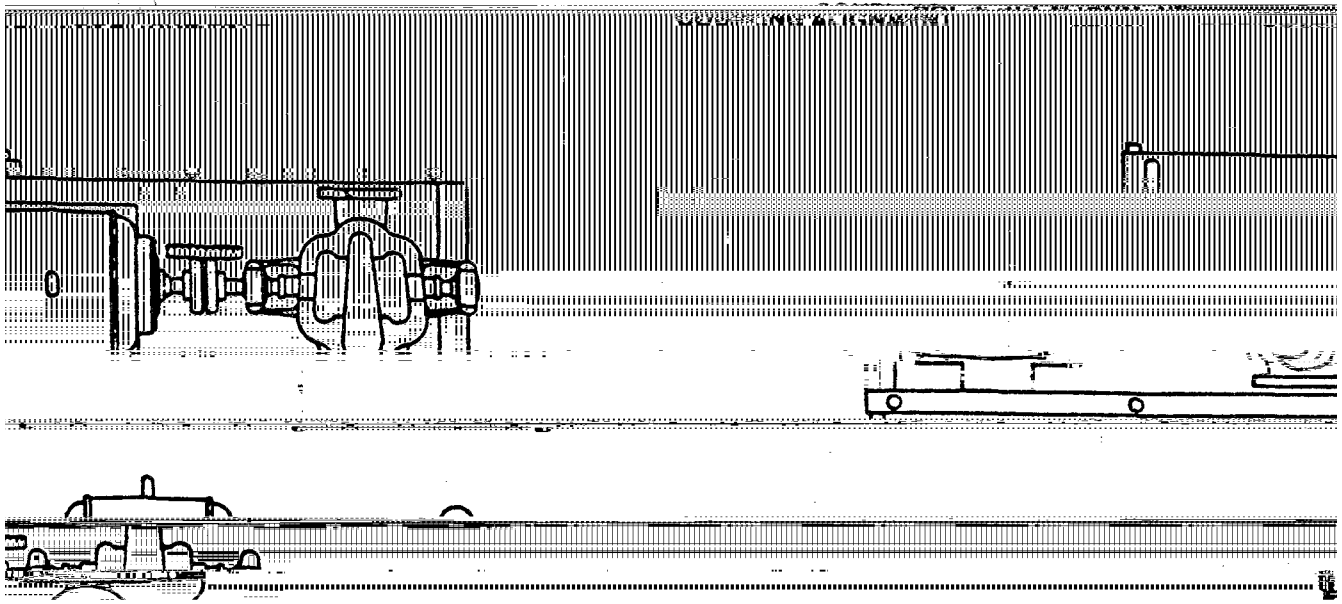
Over lubrication should be avoided as it may result in overheating and possible bearing failure. Under normal application, adequate lubrication is assured if the amount of grease is maintained at 1/3 to 1/2 the capacity of the bearing and adjacent space surrounding the bearing.

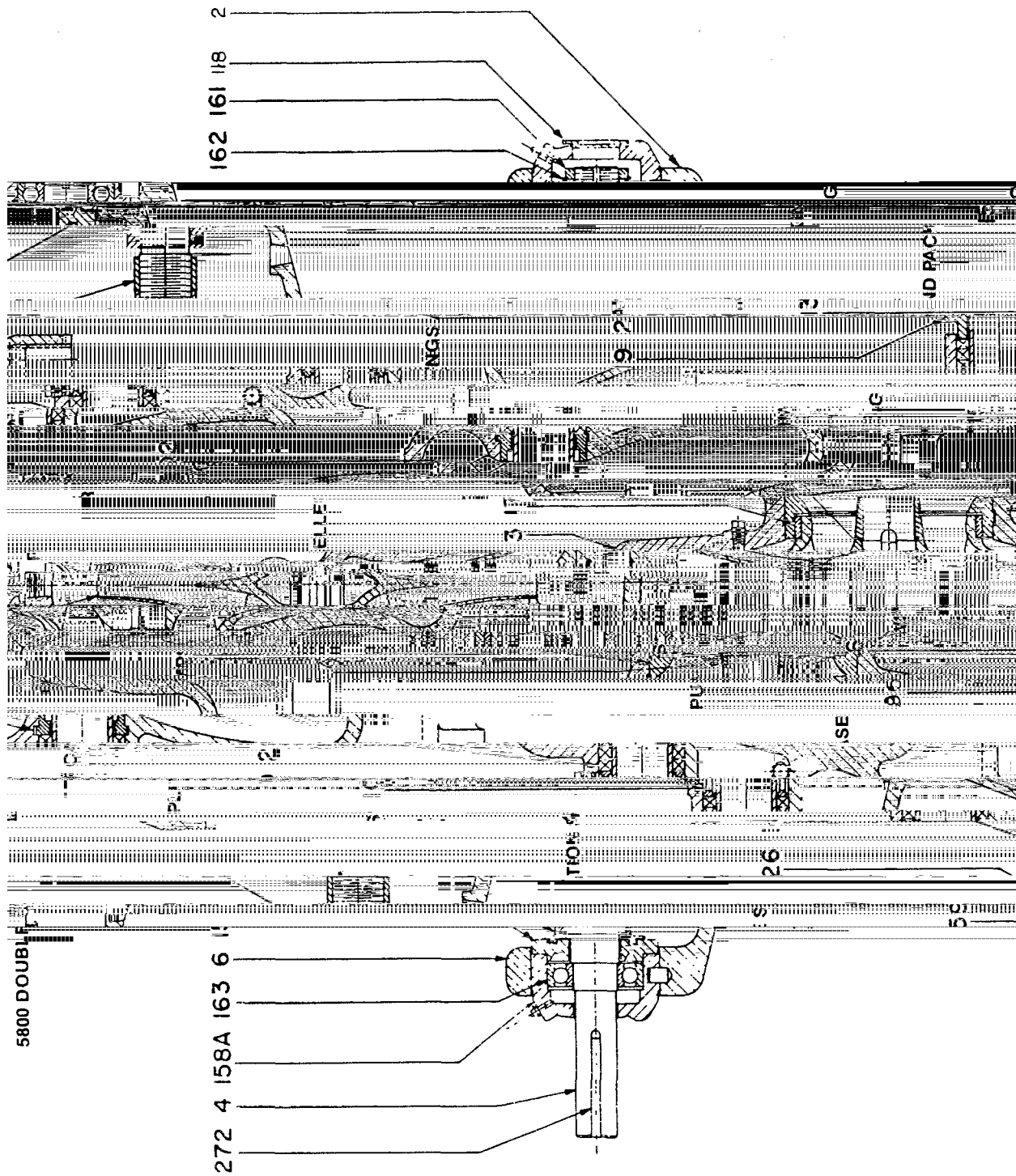
In dry locations, each bearing will need lubrication at least every 4,000 hours of running time or every 6 to 12 months, whichever is more frequent. In wet locations the bearings will need lubrication at least after every 2,000 hours of running time or every 4 to 6 months, whichever is more frequent. A unit is considered to be installed in a wet location if the pump and motor are exposed to dripping water, to the weather, or to heavy condensation such as found in unheated and poorly ventilated underground locations.

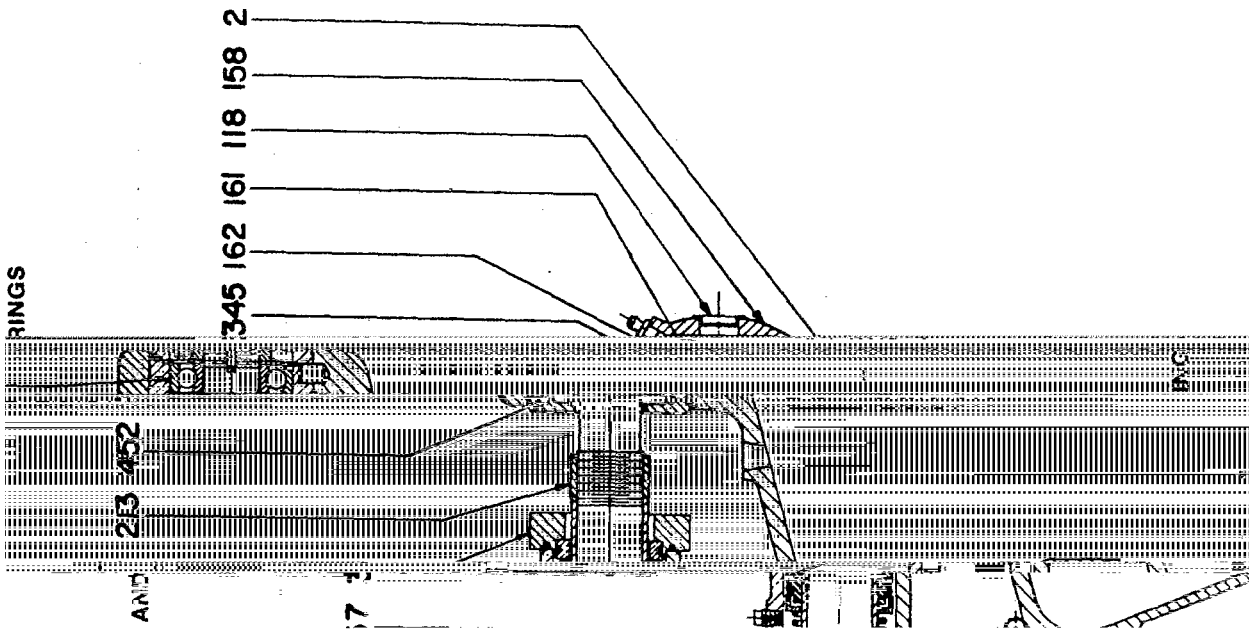
The stuffing boxes on Fairbanks Nijhuis pumps are packed at the factory with a good grade of packing. However, all packing is subject to wear and should be given regular inspections and, if necessary, adjusted or replaced.












REF. NO.	DESCRIPTION
1	Impeller
2	

14	Sleeve, Shaf
16	Wear Ring, C
17	Wear Ring, I
19	Gland
102	Key, Impelle

**TROUBLE SHOOTING GUIDE**

	<b>NO</b>
1. Check for proper venting of casting.	1. Pt
2. Check for and remove any obstruction in suction pipe.	2. Check for and remove any obstruction in suction pipe.
3. Speed too low.	1. Determine whether or not the motor is receiving full voltage. Correct if required. 2. See — Excessive power consumption.
partially plugged.	1. Remove upper half casing and clean impeller as required.
ion in mine.	1. Remove upper half casing and clean impeller as required.
	<b>INSU</b>
1. Determine whether or not the motor is across the lines and receives full voltage. Correct if required.	1. Sp
2. See — Excessive power consumption.	
2. Excessive Wearing Ring.	
<b>EXCESSIVE POWER CONSUMPTION</b>	
1. Loosen gland nuts and retighten finger tight.	2
1. Replace as outlined in Assembly section.	3
d in Alignment section.	4. Coupling misaligned.
	<b>EXCESSIVE STUFFING BOX LE</b>



