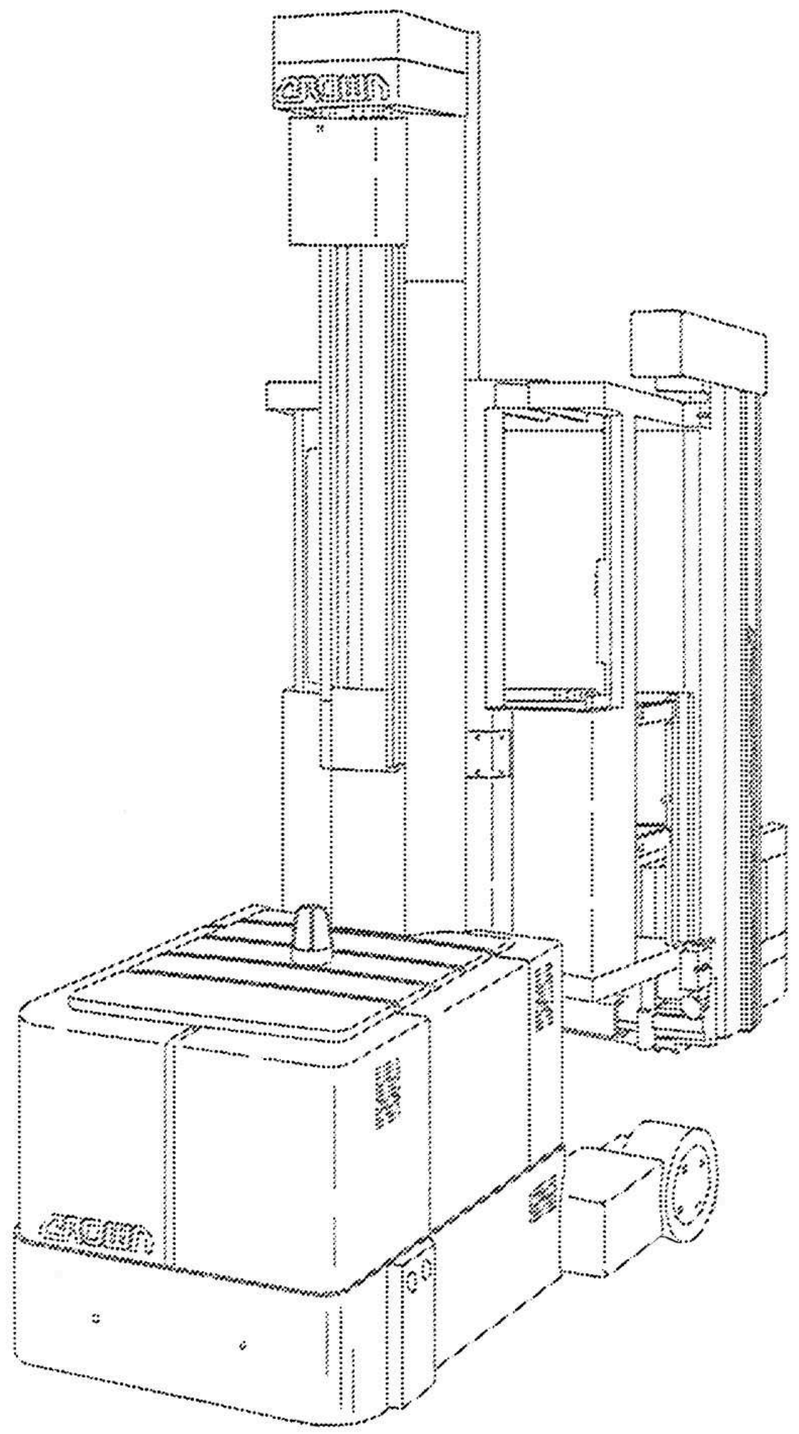
1.8 TS Cable

Service & Parts Manual



Crown PF8682-00M

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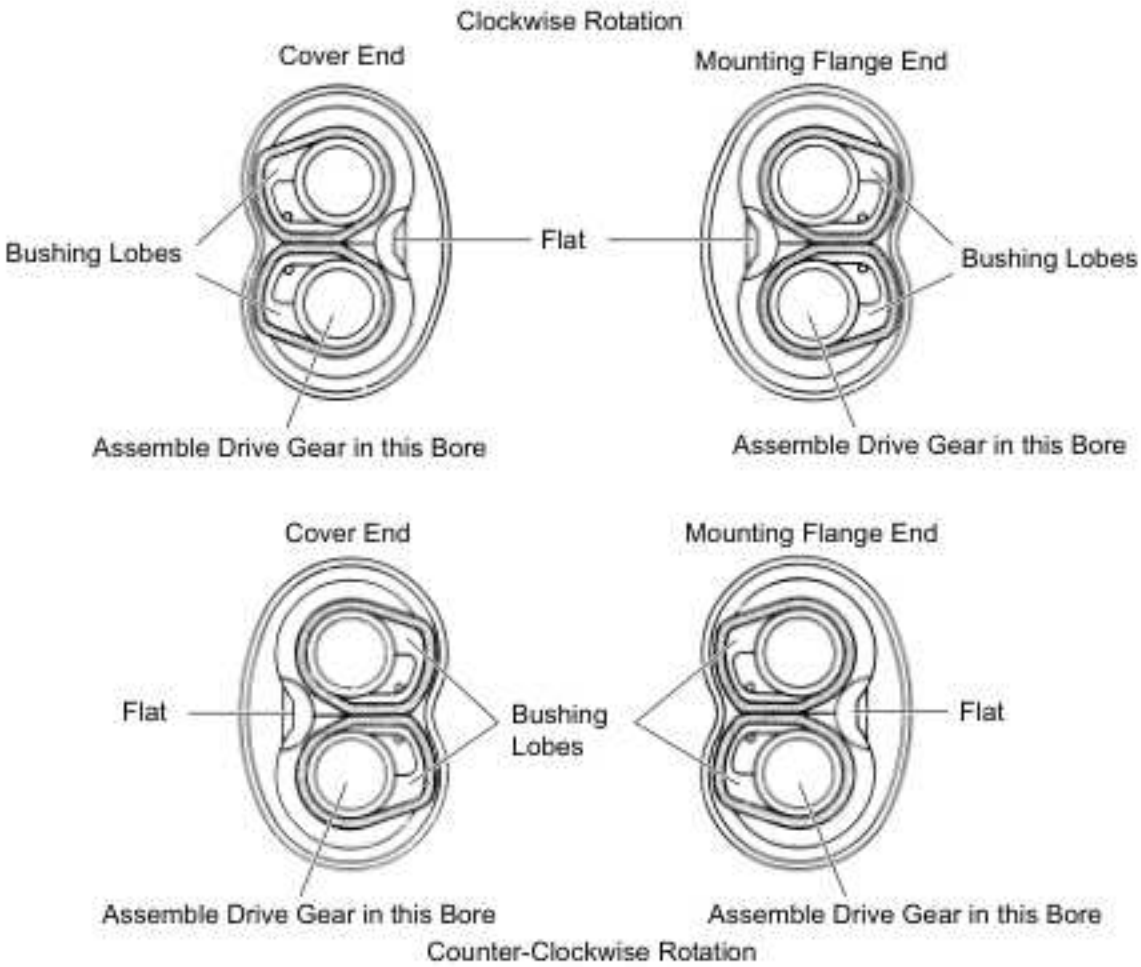


Figure 9223-01

Pump Reassembly

Make sure that all pump components are perfectly clean and lubricated with the hydraulic oil to be used in the pump, prior to assembly.

1. Prepare the bushings (index 5) for mounting flange end of the body for assembly as follows:
   (Refer to Figure 9222-01)
   Place the bushings on the workbench with their lobes up and the flats in contact. Lubricate the lobe seal (index 4) with a mineral based grease and fit it around the bushing lobes. Fit a backing washer (index 3) inside each lobe seal. When fitted correctly, the backing washer must be level and flush with the top surface of the bushing lobes.
2. Prepare the bushings for the cover end of the body for installation into the pump in the same manner.
3. Pack the space between the lips of the oil seal (index 11) with a high melting point, mineral based grease.
4. Pick up the body and hold it with the hollow dowels up and with the fingers of one hand inside the bores of the body, ready to support the bushings.
5. Pick up the mounting flange bushing complete with lobe seal and backing washers, and slide them into the body bores with the lobes facing outwards and away from the flat at the intersection of the body bores. The bushings must be inserted squarely into the bores and must be kept square to each other. Do not use force when installing the bushings. If the bushings should cock in the bores, remove them and examine for scored body walls. Light scoring can be stoned out with a fine grit hand stone.

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Lift Chains

Lift chains are highly important components on fork lift trucks. The chain system on your mast was designed for efficient, reliable transmission of lifting force from hydraulic cylinder(s) to the mast, platform (if present) and forks. Safe, uninterrupted use of your lift truck depends on the proper care and maintenance of the lift chains.

Most complaints of unsatisfactory chain performance can be traced directly to inadequate maintenance. Highly stressed precision chains require periodic maintenance to deliver maximum service life.

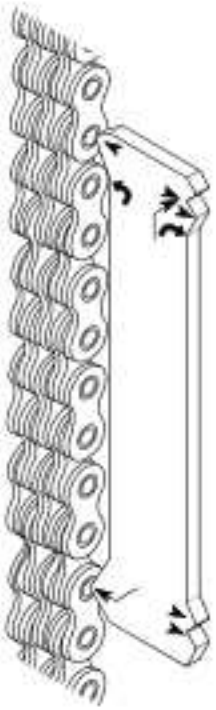
Inspection

After every 100 hours of truck operation, lift chains should be inspected and lubricated. When used in an extremely corrosive environment, inspect chains every 50 working hours. During inspection, check for the following:

Wear

As the chain flexes on and off pulleys, the joints gradually wear.

The "stretch" a chain develops during usage is due to material being worn off of pin outside diameter and pin hole inside diameter on the inside plates.



Roller and Leaf
Chain Wear Scale

Figure 16844

Chain wear can be measured by using a 106440 wear scale or a steel tape (Refer to Figure 16844). When chains have elongated 3%, as represented on scale "A" (19 mm [0.75 in] or 25 mm [1.0 in] pitch chain) or scale "B" (16 mm [0.625 in] pitch chain) of the wear scale, they should be discarded. On chain with 19 mm (0.75 in) between pins, for example, 305 mm (12.0 in) of chain contains 16 pitches or links. When 16 pitches measure 314 mm (12.375 in) the chain should be replaced. On chain with 16 mm (0.625 in) between pins, 20 pitches or links equal 318 mm (12.5 in). When 20 pitches measure 327 mm (12.875 in) the chain should be replaced. Crown currently uses 16 mm (0.625 in) pitch (20 links in 318 mm [12.5 in]), 19 mm (0.75 in) pitch (16 links in 305 mm [12.0 in]) and 25 mm (1.0 in) pitch (12 links in 305 mm [12.0 in]) chain. When checking chain wear, be sure to measure a segment of chain that operates over a pulley. Do not repair chain(s) by cutting out the worn section and splicing in a new piece. If part of a chain is worn, replace lift chain(s). If truck has a matched set of lift chains replace both chains at same time.

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