

TURRET HEAD INSTALLATION

INSTALLATION INSTRUCTIONS:

The hanger brackets welded on the back of the attachment conform to the specifications of the mast. Install the mast roller bearing kit according to the mast manufacturer's manual. Measure the inside dimensions of the mast channel and the outside dimensions of the roller bearings and shim the bearings to the manufacturer's specifications.

The thrust bearings that roll on the outside or inside of the mast rail should be loosened and adjusted away from the mast rail for installation.

Before installing the turret head, check the hydraulic supply group installed internally or externally on the mast for compatibility with the attachment. Hydraulic pressure must not exceed 2500 p.s.i.. The pivot circuit requires only 1 GPM for proper activation but will work well up to 5 GPM. The side shift circuit requires a minimum of 5 GPM and works well up to 10 GPM. Connect the hoses for compatibility to the directional markings on the control valve handles. After all connections are completed adjust the thrust bearings to touch the mast rail.

After all connections have been secured raise the mast to check for interference between the attachment and mast parts. After all connections are checked for safe operation, remove any foreign particles of debris from the attachment bearing tracks. Lower the attachment to a safe working level and operate without a load to eliminate any air in the hydraulic circuits. Recheck all connections for possible hydraulic leaks or mechanical interference. Load the attachment and operate both hydraulic functions and check for hydraulic leaks or mechanical problems.

OPERATING THE ATTACHMENT:

- Check the attachment specifications (capacity, load size)
- Check the load specifications to insure compatibility with the truck/attachment combinations. Your forks should not exceed the length of your load and should be adjusted as wide apart as your load will accept.

OPERATIONAL RECOMMENDATIONS:

- Travel with the load in a lowered position. This will increase the truck stability and operator visibility.
- Operate the rotation and side shifting functions at low speed.
- Store the heaviest loads in the lower storage positions.
- Do not side shift the attachment when loaded unless the lift truck is in a storage rack area or in a lowered position.
- Do not rotate the turret attachment when loaded unless your load is in a lowered position.

ADJUSTMENTS:

1. Traverse chain adjustment
See traverse chain-adjust sheet.
2. Adjust the rotation speed by means of the flow valves at the top of the pivot head area. Recommended speed 6 to 8 seconds.
3. The double pilot lock valve is fixed therefore adjustment is not required.

MAINTENANCE:

The turret head attachment in most applications needs to be serviced after 200 hours. It is highly recommended to visually check the attachment daily for obvious problems. Always inspect the attachment after any collisions, shocks, or unusual noises.

A. 200 HOUR OR MONTHLY CHECK

- Observe all bearings and tracks
- Hydraulic hoses and track assembly
- Check traverse chain adjustment
- Chain tensions during rotation
See rotation assembly drawing

B. 1000 HOUR OR 6 MONTH CHECK

- Perform all operations paragraph (a)
- Clean all moving parts
- Clean the rotation chain. Inspect the condition of the chain and connection links. Lubricate with oil or light grease. *
- Clean and inspect the traverse chain assembly
- Locate the grease fitting for the pivot shaft and grease. *
- Grease the eight main load bearings. *
- Check all structural assemblies and the bolt on parts for tightness.

*Refer to specification page

*See lubrication chart

C. 2000 HOUR OR ONE YEAR CHECK

- Perform all operations on paragraph (a) and (b).
- Inspect the chain, any excessive wear in the pin connection requires replacement.
- Inspect all roller bearings, any surface imperfection or noise during operation requires replacement.
- Inspect rotation assembly, any excessive wear will require the replacement of the bushings.
- Inspect forks. Any cracks in the fork require replacement. Pay particular attention in the area of the heel and hooks. Inspect for wear on the bottom of

the heel. 10 percent wear reduces capacity 50 percent. Welding cannot repair forks. Only replacement is acceptable.

Inspect all hydraulic connections and components. For specific repair, refer to individual repair instruction sheets.