

LANHR100

Installation Instructions

Hanger Bearing Kit

LANKOTA[®]

**270 West Park Avenue
Huron, SD 57350
866-526-5682**

Numerical Parts List

Part Numbers	Description	Qty
LAN105	Bearing Flange	4
LAN207KRRB12	Hex Bearing	2
LAN103A	Hanger Bearing Mount A	2
LAN103B	Hanger Bearing Mount B	2
LANHRABL	Hanger Bearing Angle Support Brace - Left	1
LANHRABR	Hanger Bearing Angle Support Brace - Right	1
LANAR100BH	Bag of Hardware	1
LAN18A	3/8" x 1.00" Carriage Bolt	8
LAN1818A	3/8" Thread-Cutting Bolt	2
LAN18A32	3/8" x 1.50" Carriage Bolt	2
LAN3718	3/8" Serrated Lock Nut	10

Pictorial Parts List

			
LAN105 (4)	LAN207KRRB12 (2)	LAN103A (2)	LAN103B (2)
			
LANHRABL (1)		LANHRABR (1)	
			
LAN18A (8)	LAN1818A (2)	LAN18A32 (2)	LAN3718 (10)

Preparation

1. Remove chain sprockets, protective tube, and clutch assemblies from left and right jackshafts on head.
2. Attach desired header to the combine. Lock the head to the combine.
3. Raise the head off the ground and lower the safety stop on the feeder house cylinder.
4. Set the parking brake on the combine.
5. Turn off the combine engine and remove the key.

Kit Installation

Refer to Figure 1

1. Hold desired drive line to be used up to feeder house drive. Align locking pins in quick coupler with the groove in the feeder house drive shaft. With feeder house frame in the "level" position, extend the driveline halfway. This allows for even travel of the drive shaft during header tilt. Mark shaft on the header at this point. Cut header shaft on mark.

Note: A chop saw clamped onto shaft works well and eliminates the need to remove the shaft.

2. Assemble hanger bearing supports. Place bearing (LAN207KRRB12) between two flanges (LAN105) and attach to support (LAN103B) using three bolts (LAN18A) and nuts (LAN3718). [Bolt hex bearing \(LAN207KRRB12\) to feeder house side of hanger bearing support for easy bearing removal or replacement if needed.](#)
3. Slide bearing support assembly on header jackshaft.
4. Install hanger bearing as close as possible to where driveshaft will connect to jackshaft. Three inches of jackshaft protruding out from bearing is ideal.
5. Measure and cut length needed for reinstalling protective tube on jackshaft.
6. Reinstall tube, hanger bearing and driveshaft. Check all components for proper fit. If there are no predrilled holes to attach mount; after bearing mount is positioned as needed, mark back of header through the two 3/8" holes in the bearing mount. Drill out marks with a 3/8" drill bit. Secure to header by running two 3/8" bolts (not provided) through front of header out the back. Use large area washers (not provided) under bolt heads to avoid sheet metal cracks. Tighten down using locking nuts (not provided) on back side of header.



Figure 1

Kit Installation

Refer to Figures 2 & 3

7. After bearing mount is positioned, install angle support (LANHRABR) to the right side of head and (LANHRABL) to the left side of head. Attach bottom of angle support to outside of bearing mount using the bearing flange hole closest to the back side of the head. Secure support to mount with longer carriage bolt (LAN18A32) and lock nut (LAN3718) between bearing support and hanger support to avoid support contact with bearing and seal. Install second lock nut (LAN3718) to secure support iron on carriage bolt (LAN18A32). Tighten nuts finger tight only.
8. Position support vertically to top frame beam. Mark on beam through hole in support. Remove support from header. Using a 5/16" drill bit, drill a hole at the mark in top frame beam. Attach support to top beam using one thread cutting bolt (LAN1818A). Tighten only enough to avoid



Figure 1

Figure 2



For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682