

LANAR100

Installation Instructions

Adapts Level-Land row crop head to combines with 1-3/8", 21-Spline feeder house drives

LANKOTA®

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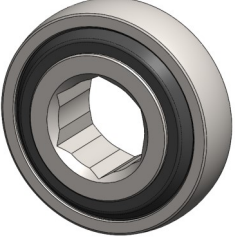


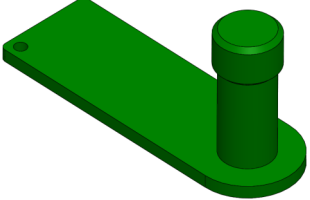
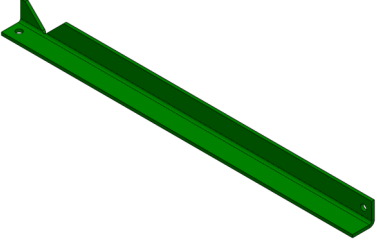
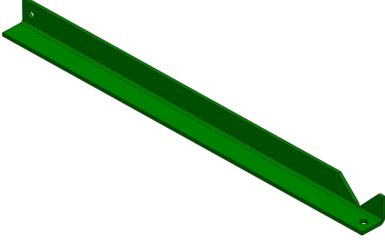




Numerical Parts List

Part Numbers	Description	Qty
LAN935-27600	D550 Drive Shaft	2
LAN105	Bearing Flange	4
LAN207KRRB12	1.125" Hex Bearing	2
LAN103A	Hanger Bearing Mount A	2
LAN103B	Hanger Bearing Mount B	2
LAN108	PTO Support Bracket	2
LANHRABL	Hanger Bearing Angle Support Brace - Left	1
LANHRABR	Hanger Bearing Angle Support Brace - Right	1
LANAR100BH	Bag of Hardware	1
LAN1818A	3/8" x 1.25" Thread Cutting Bolt	2
LAN18A	3/8" x 1" Carriage Bolt	8
LAN18A32	3/8" x 1.5" Carriage Bolt	2
LAN3718	3/8" Serrated Flange Nut	10

Preparation

1. Remove chain sprockets and protective tube 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.

Pictorial Parts List

 <p>LAN935-27600 (2)</p>	 <p>LAN105 (4)</p>	 <p>LAN207KRRB12 (2)</p>	 <p>LAN103A (2)</p>
 <p>LAN103B (2)</p>	 <p>LAN108 (2)</p>	 <p>LANHRABL (1)</p>	 <p>LANHRABR (1)</p>
 <p>LAN1818A (2)</p>	 <p>LAN18A (8)</p>	 <p>LAN18A32 (2)</p>	 <p>LAN3718 (10)</p>

Kit Installation

Refer to Figures 1 & 2

1. On the right side of the header, measure from outer end of 21 spline feeder house drive shaft onto the jackshaft on header and mark at 34".
2. Cut the jackshaft shaft on the mark. (A chop saw clamped onto shaft works well. This eliminates the need to remove shaft from header.)
3. Mount a hex bearing (LAN207KRRB12) and 2 bearing flanges (LAN105) to the support bracket (LAN103B) and retain with 2 carriage bolts (LAN18A) and 2 lock nuts (LAN3718) in the bottom two holes; the third hole is used later.

Note: Always install bearing and flanges on the inside of the mount to allow for bearing replacement.

4. Slide hanger bearing support (LAN103B) over hex shaft allowing enough shaft length to properly connect the drive shaft. Install hanger bearing as close to where driveshaft will connect to jackshaft as possible (3" of jackshaft protruding out of the head is ideal for mounting). Check hex shaft alignment and ensure shaft is running straight.
5. Measure what you will need to modify the protective tubing and cut tubing to length. Remove the shaft and bearing.
6. Reinstall tube, hanger bearing and driveshaft. Check all components for proper fit. If there is no predrilled holes to attach mount after bearing mount is positioned as needed, mark back of header through the two 3/8" holes in bearing mount (LAN103A). Drill out marks with a 3/8" drill bit. Secure to header by running two 3/8" bolts (not provided in kit) through front of header out the back. Use large area washers (not provided in kit) under bolt heads to avoid sheet metal cracks. Tighten down using locking nuts (not provided in kit) on back side of header.
7. After installing drive shafts (LAN242-25498), mark where the groove needs to be ground in jackshaft, for the 1/2" bolt that secures driveshaft to the hex shaft. A small industrial grinder works well to make this notch. Reassemble and tighten all components, checking to make sure all safety shields are in place. **Note:** Only slide drive shaft on the jackshaft 1-1/2".
8. Repeat steps 1-7 for the left side of header.



Figure 1



Figure 2

Kit Installation

Refer to Figures 3 & 4

9. After bearing mount is positioned, install Angle Support (LANHRABR) to 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 the support to mount with the longer carriage bolt (LAN18A32) and lock nut (LAN3718) between bearing mount and hanger support, to avoid support contact with bearing and seal (See Figure 3). Install second lock nut (LAN3718) to secure support brace on carriage bolt (LAN18A32). Tighten nuts finger tight only.
10. Position support vertically to top frame beam. Place a mark on the beam through the hole in the support. Remove support from the header.
11. Using a 5/16" drill bit, drill a hole at the mark made in top frame beam. Attach support to top beam using one thread cutting bolt (LAN1818A). Tighten only enough to avoid stripping threads.
12. Attach bottom of support to bearing mount as before. Tighten nuts.

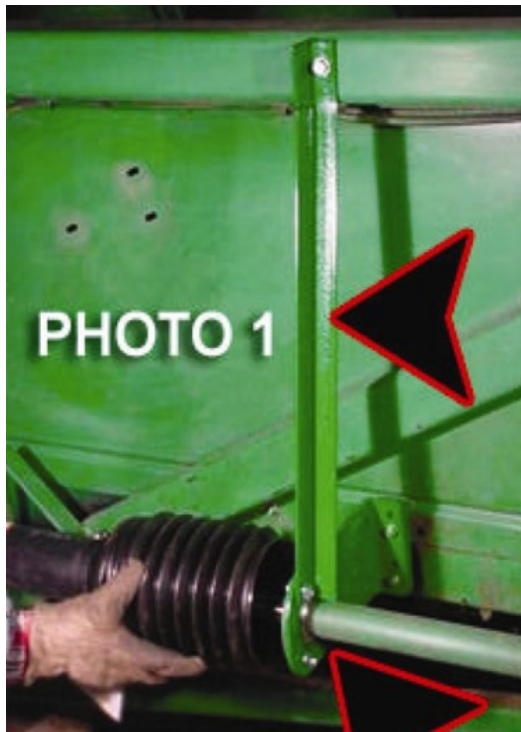
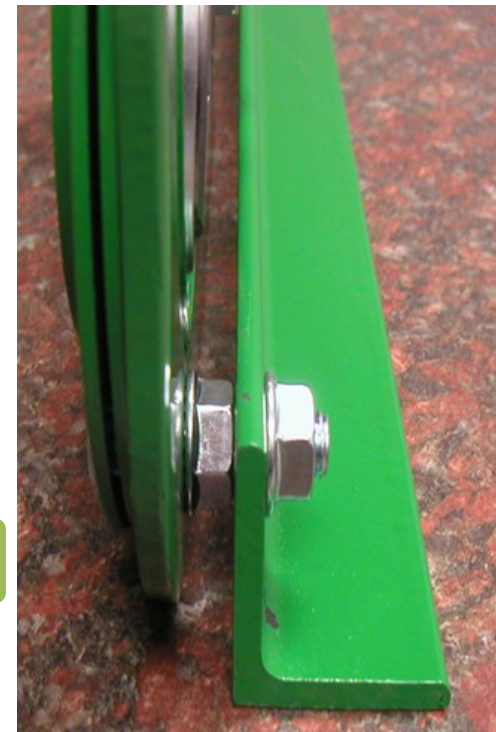


Figure 3

Figure 4



Kit Installation

Refer to Figure 5

13. Measure 10-1/2" down from top of header rail along the inside of vertical sub frame. Grind off paint in this area and on the PTO support before spot welding PTO Support (LAN108) to frame.
14. Try installing drive shaft on PTO support to ensure support is properly positioned. If position is correct, finalize the welding.
15. After weld has cooled, buff and paint to prevent rusting.
16. Repeat on other side of header.
17. Proper shielding is the responsibility of the installer or end-user. Safety handbook is included with all kits.



Figure 5

For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682