

**Lankota, INC.**

**LAN – AR100**

**Adapts Older Model Row Crop Heads  
To Newer 50 & 60 Series Combines**

**Installation Instructions**

**LAN – AR100**  
**Parts break down list**

 <p>D-250</p>	 <p>LAN - 103</p>	 <p>LAN – S500</p>
 <p>LAN - 105</p>	 <p>207KRRB12</p>	 <p>* LAN - 3718</p>
 <p>*LAN – 18A</p>	 <p>LAN – HR100SPR</p>	 <p>LAN - HRABR</p>
 <p>LAN - HRABL</p>	 <p>*LAN – 1818A</p>	 <p>*LAN – 18A32</p>

**\* Items are included in bag of hardware**

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## LAN – AR100

### Adapts Older Model Row Crop Heads To Newer 50 & 60 Series John Deere Combines

#### Preparation

1. Remove chain sprockets and protective tube from left and right jackshafts on head.
2. Attach desired head to combine.
3. Lock header safety bar into proper position.

#### Procedure

1. On the right side of the header, measure 34 inches from outer end of 21 spline feeder house drive shaft towards jackshaft on header and mark.
2. Cut header shaft on mark. A chop saw clamped onto shaft works well. This eliminates need to remove shaft from header.
3. Mount the Hex Bearing (**207KRRB12**), 2 Bearing Flanges (**LAN – 105**) to the Support Bracket (**LAN – 103**) and retain with 2 Carriage Bolts (**LAN – 18A**) and 2 Lock Nuts (**LAN – 3718**) in aft most holes. Third hole is used later. **(Always install bearing and flanges on inside of the mount to allow for bearing replacement.)**
4. Slide Hanger Bearing Support (**LAN – 103**) over hex shaft allowing enough shaft length to properly connect the driveshaft. Install hanger bearing as close to where driveshaft will connect to jackshaft as possible. 3” of jackshaft protruding out from bearing is ideal. In some cases there might already be a bolt or hole in the back of the head that you can use for mounting. **Check hex shaft alignment and ensure shaft is running straight. You may need to use the Spacer (LAN – HR100SPR) included with the hanger bearing between bearing mount and header.**
5. 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. 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. **(See Figure 1)**



**Figure 1**

6. After installing Drive Shafts (**LAN-D-250**), mark where the groove needs to be ground in jackshaft, for the  $\frac{1}{2}$ " bolt that secures driveshaft to the hex shaft. A small industrial grinder works well to make this notch. **Note: only slide drive shaft on the jackshaft 2  $\frac{1}{2}$ "**. Reassemble and tighten all components, checking to make sure all safety shields are in place. (See **Figure 2**)



**Figure 2**

7. Repeat steps 1 – 6 for the left side of the header.

### Installation of Hanger Bearing Support

1. After bearing mount is positioned, install Angle Support (**LAN-HRABR**) to right side of head and (**LAN-HRABL**) 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 (**LAN-18A32**) and Lock Nut (**LAN – 3718**) between bearing support and hanger support to avoid support contact with bearing and seal. Install second Lock Nut (**LAN – 3718**) to secure support iron on Carriage Bolt (**LAN-18A32**). **See Figure 3A.** Tighten nuts finger tight only. 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 mark made in top frame beam. Attach support to top beam using one Thread Cutting Bolt (**LAN-1818A**). Tighten only enough to avoid stripping threads. Attach bottom of support to bearing mount as before. Tighten nuts. (**See Figure 3**)

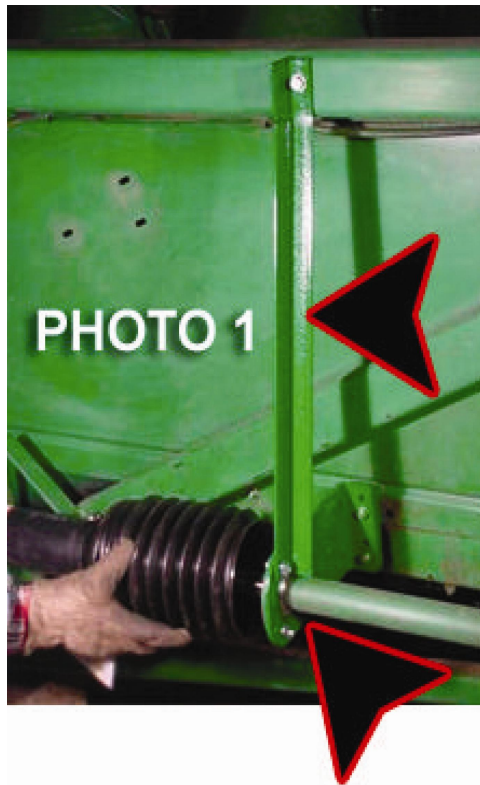


Figure 3

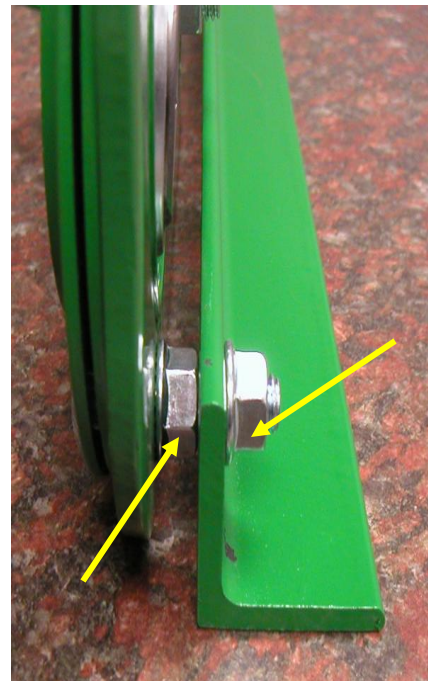
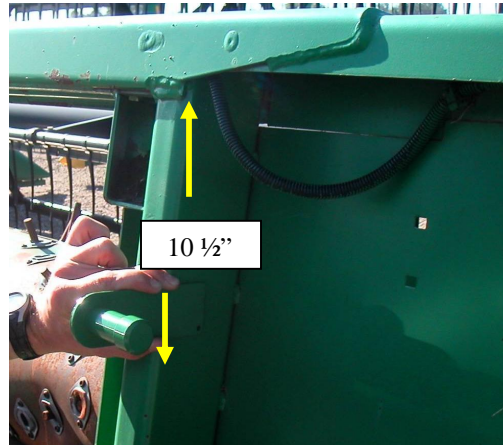


Figure 3A

### Installing PTO Support Bracket

1. Measure 10 ½ inches down from top of header rail along the inside of vertical sub - frame. Grind off paint in this area and paint on the PTO support before spot welding PTO Support (**LAN-108**) to frame. Try installing drive shaft on PTO support to ensure PTO support is properly positioned. If position is correct, finalize the welding. After weld has cooled, buff and paint to prevent rusting. Repeat on other side. (See **Figure 13**)



**Figure 13**

### Proper Shielding

1. Proper shielding is the responsibility of the installer or end-user. Safety handbook is included with all kits.

**For further information you may contact:**

**Lankota Inc.  
(866) 526-5682**