

**Lankota, INC.**

**LAN – AP200**

**Converts Older Model 900 Series  
Flex Or Rigid Heads To Newer 50 &  
60 Series John Deere Combines**

**Installation Instructions**

**LAN – AP200**  
**Parts break down list**

 <p>D-250</p>	 <p>LAN - 104</p>	 <p>LAN – S500</p>
 <p>LAN - 105</p>	 <p>LAN – 207KRRB12</p>	 <p>* LAN - 3718</p>
 <p>*LAN – 18A</p>	 <p>LAN - 102</p>	 <p>LAN – 109</p>
 <p>LAN – 22A16</p>	 <p>LAN - 3722</p>	

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

John Deere and JD are registered trademarks of Deere & Company

## LAN – AP200 Adapts Older Model Heads To Newer 50 Series John Deere Combines

### Preparation

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

### Procedure

1. On the **left side** of the header, measure 34 inches from outer end of feeder house drive shaft to 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. Install additional hanger bearing, if needed. Slide Hex Bearing (LAN-207KRRB12) mounted to Hangar Bearing Support (LAN- 104) on header jackshaft. **Always bolt Hex Bearing (LAN-207KRRB12) to feeder house side of Hangar Bearing Support (LAN- 104) so bearing removal or replacement is possible if needed. (See Figure 1 & 1A)**

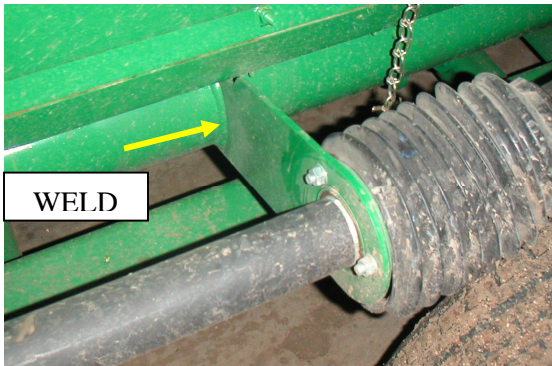


Figure 1

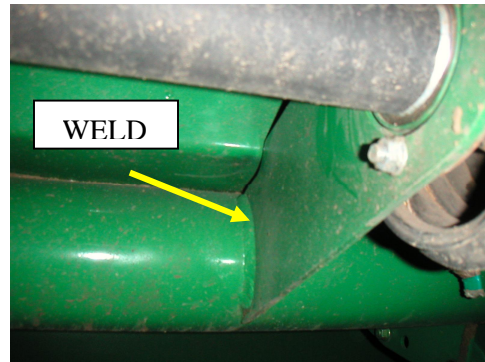


Figure 1A

1. Install hangar bearing as close to where driveshaft will connect to jackshaft as possible. 3 inches of jackshaft protruding out from bearing is ideal.
2. Measure and cut length needed for reinstalling protective tube on jackshaft.

3. Reinstall tube, hangar bearing, and driveshaft. Check all components for proper fit.
4. After proper alignment of jackshaft is secured, weld half moon end of support bracket to 5" main frame tube. (See **FIGURE 1 & 1A**)
5. After installing drive shaft, mark where the groove needs to be ground in jackshaft, for the ½" bolt that secures driveshaft to the hex shaft. A small hand grinder works well to make this notch. **Note: only slide drive shaft on the jackshaft 2 ½"**. Reassemble and tighten all components, checking to make sure all safety shields are in place. (See **Figure 2**)



**Figure 2**

### **Right Side Platform Heads with Clutch Assemblies**

1. Clutch, protective bell shield and protective tube should already be removed from jackshafts.
2. Measure 38 inches from outer end of feeder house drive shaft to header jackshaft and mark.
3. Cut header shaft on mark.
4. Slide Hex Bearing (**LAN-207KRRB12**) mounted to Hangar Bearing Support (**LAN- 104**) on jackshaft. (See **Figure 1 & 1A**)
4. Slide clutch assembly on until jackshaft is flush with the sprocket on the clutch assembly.

5. Bolt Hex Shaft Adapter (**LAN-102**) to clutch assembly sprocket using 4 Bolts (**LAN-22A16**), and 4 Lock Nuts (**LAN-3722**) but do not tighten. **Note: Bolts fit into sprocket teeth with flare lock nuts on sprocket side.** (See **Figure 3**)



**Figure 3**

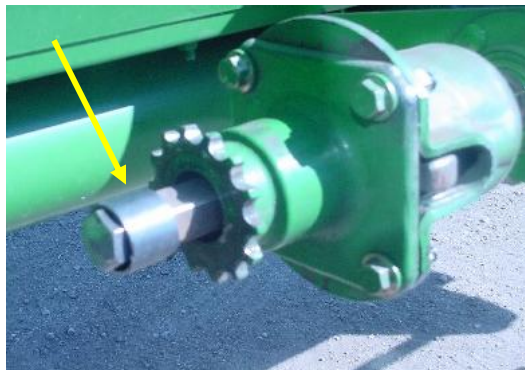
6. Install drive shaft on feeder house shaft and also on stub hex shaft. Check all components for proper fit. Do not tighten.

#### **Insure proper installation of protective tube and bell shield**

1. Measure desired lengths to reinstall protective jackshaft cover tubes and clutch bell shield.
2. Reassemble with protective tubes and bell shield in place. (See **Figure 1 & 1A**)

#### **Securing Clutch Assembly**

1. Remove Hex Shaft Adapter (**LAN – 102**) from clutch assembly.
2. Slide Retainer (**LAN-109**) over jackshaft so ¼” of jackshaft protrudes. (See **Figure 4**)



**Figure 4**

3. Weld Retainer (**LAN-109**) to jackshaft securely. This is done so clutch assembly cannot slide off jackshaft during operation.

**NOTE: All shielding and components must be in place before welding pipe onto jackshaft.**

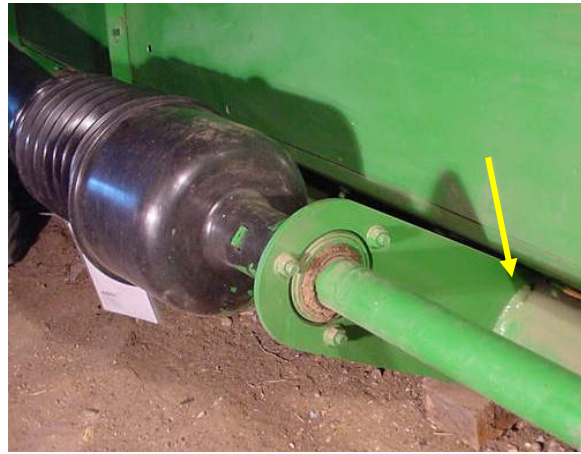
4. Reinstall Hex Shaft Adapter (**LAN-102**) and tighten. (See **Figure 4**)

#### Drive Shaft

1. Reinstall drive shaft to clutch adapter. A groove is provided in clutch adapter jackshaft for the ½” locking bolt.
2. Inspect to make sure all shielding is in place.
3. Align header shaft.
5. Weld hangar-bearing bracket to 5-inch main frame tube on bottom of head. See **Figure 4A**. Always bolt Hex Bearing (**LAN-207KRRB12**) to feeder house side of Hangar Bearing Support (**LAN- 104**) so bearing removal or replacement is possible.



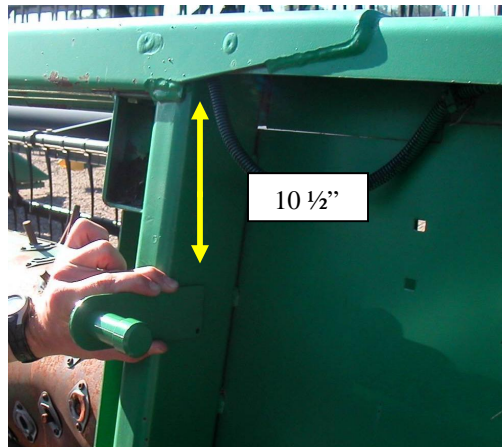
**FIGURE 4A**



**FIGURE 4B**

## Installation of PTO Supports

1. Position PTO Support (**LAN-S500**) approximately 10 ½ “down from the header rail on outside of center vertical sub frame. (See **Figure 5**)



**Figure 5**

2. Make sure PTO shaft slides on and off of PTO support before welding to sub frame.

## 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**