LANAP202ND

Installation Instructions

Contour Master™ Driveshaft Conversion for 200 & Early 900 Series JD® Platform Heads with Round Back Shafts

Driveshaft NOT Included

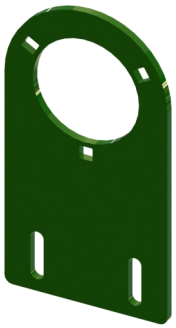
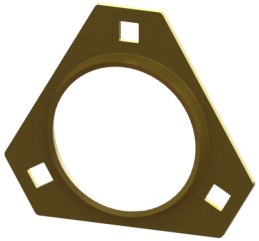
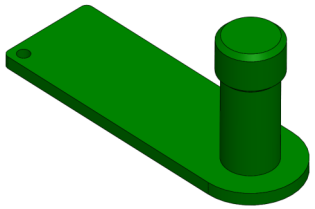
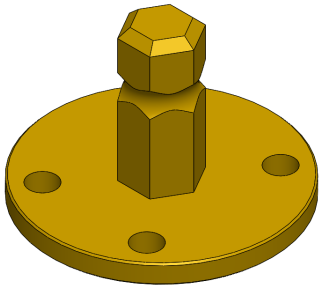
LANKOTA®

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

Numerical Parts List

Part Numbers	Description	Qty
LAN103A	Hanger Bearing Mount A	2
LAN103B	Hanger Bearing Mount B	2
LAN105	Bearing Flange	4
LAN108	PTO Support Bracket	2
LAN102	Clutch Hex Adapter Shaft—C400	1
LANXB1720	Round to Hex Adapter	1
LAN1190	Pipe for AP202 Kit	1
LAN207205SA	Round Bearing	2
LAN101A	Backing Ring for Sprocket Adapter	1
LAN1818A	3/8” x 1.25” Thread Cutting Bolt	4
LAN18A	3/8” x 1” Carriage Bolt	10
LAN3718	3/8” Serrated Flange Nut	14
LAN22A32	1/2” x 1.5” Hex Bolt Gr. 5	4
LAN3722	1/2” Serrated Flange Nut	4

Pictorial Parts List

	 LAN103A (2)	 LAN103B (2)	 LAN105 (4)	 LAN108 (2)
 LAN102 (1)	 LANXB1720 (1)	 LAN1190 (1)	 LAN207205SA (2)	 LAN101A (1)
 LAN1818A (4)	 LAN18A (10)	 LAN3718 (14)	 LAN22A32 (4)	 LAN3722 (4)

Preparation

1. **Attach desired header to the combine. Lock the head to the combine.**
2. **Raise the head off the ground and lower the safety stop on the feeder house cylinder.**
3. **Set the parking brake on the combine.**
4. **Turn off the combine engine and remove the key.**

Kit Installation

Refer to Figure 1

1. Remove chain sprockets and protective tubing from the left and right jackshafts on the head.
2. On the left side of the header, measure 38 inches from outer end of feeder house drive shaft on combine to jackshaft on header and mark.
3. Cut shaft off at this mark.

Note: Utilize a chop saw by clamping it onto the shaft to eliminate the need to remove the shaft from the header.

Figure 1

Refer to Figure 2

4. Install additional hanger bearing by placing the round bearing (LAN207205SA) between the two flanges (LAN105) and utilize three bolts (LAN18A) and nuts (LAN3718) to secure it to the bearing support (LAN103). Install on header jackshaft.

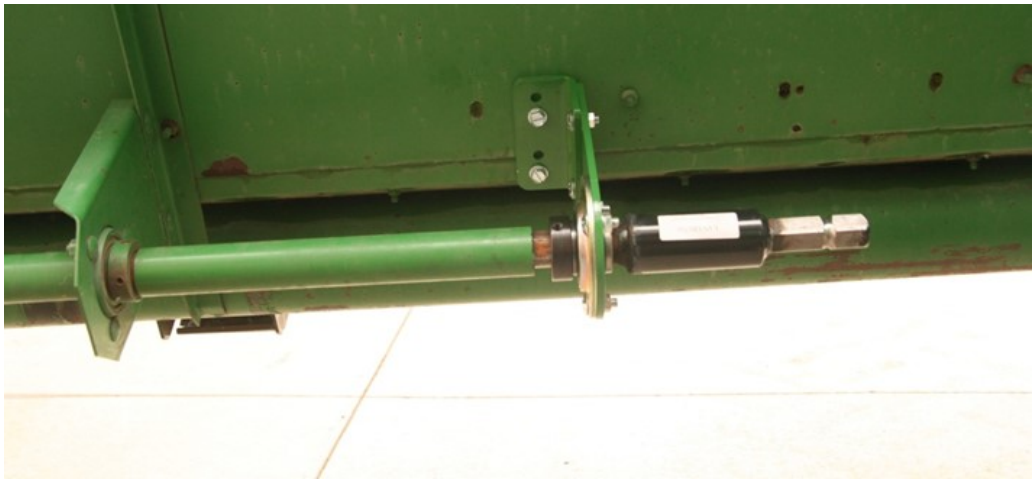
   Note: Always bolt round bearing (LAN20725SA) to the feeder house side of hanger bearing mount (LAN103) to allow for bearing removal as required.

5. Slide bearing hanger onto shaft.
6. Temporarily install hex adapter (LANXB1720) onto shaft. Make sure adapter seats are fully down on the shaft and is bottoming out. Adjust bearing hanger to allow a half inch gap between bearing and hex adapter.
7. Measure length of bare shaft where protective plastic tube was removed. Modify protective plastic safety tube to accommodate the new length of the shaft.
8. Remove adapter and hanger bearing.
9. Re-install modified plastic tube, hanger bearing, and hex adapter. Weld hex adapter around entire end to factory jackshaft.

Check all components for proper fit.

WARNING: DO NOT HEAT BEARING DURING WELDING.

Figure 2



Refer to Figure 3

10. If there are no predrilled holes to attach mount, after bearing mount is positioned as needed, mark the back of the header through the two 3/8” holes in bearing mount.
11. Drill out the two marks with a 3/8” drill bit.
12. Secure to the header by putting two bolts (LAN1818A) from the back of the head to the front and secure with two nuts (LAN3718).
13. Mount the drive shaft (LAN394306) to the hex adapter and tighten bolt in compression yolk.

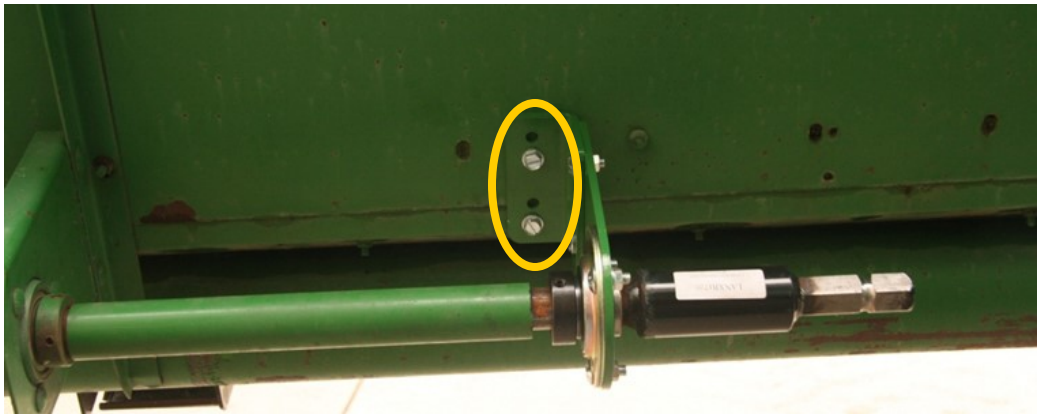


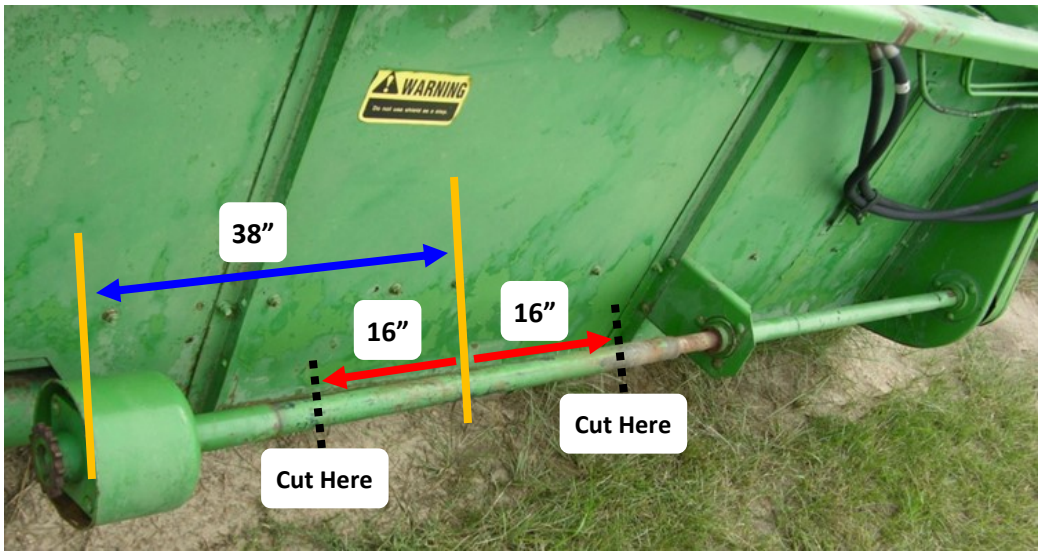
Figure 3

Figure 4

Refer to Figure 4

14. Do not remove the clutch, protective bell shield or protective tube from jackshaft on the right side of the header.
15. Measure 38 inches from the end of slip clutch outer face on header and make mark on header shaft.
16. Now mark 16 inches to the right and 16 inches to the left of that line. Cut the header shaft on those two marks (NOT THE MIDDLE MARK).

Note: Utilize a chop saw by clamping it onto the shaft to eliminate the need to remove the shaft from the header.



Refer to Figure 5

17. Discard the middle chunk of shaft you have removed. Using the pipe (LAN1190), splice the two remaining shafts back together. Insert half of the (LAN1190) over each half of the factory shaft.
18. Measure and cut the protective shaft tubing to fit the right hand side of the (LAN1190). Install protective shaft tubing.
19. Weld the shaft around both ends of the pipe. Shaft and pipe connection must remain true in order to avoid shaft wobble.

Refer to Figures 6 & 7

20. Install additional hanger bearing. Place the round bearing (LAN207205SA) between two flanges (LAN105). Mount the bearing support (LAN103) using three bolts (LAN18A) and nuts (LAN3718). Install on the header jackshaft.

    Note: Always bolt the round bearing (LAN207205SA) to the feeder house side of hanger bearing mount (LAN103) allowing for bearing removal as required.
21. Reinstall the clutch assembly and protective bell on the shaft.
22. Bolt hex shaft adapter (LAN102) to clutch assembly sprocket using four bolts (LAN22A32) and lock nuts (LAN3722), but do not tighten.

    Notice: Bolts fit into sprocket teeth with flare lock nuts on sprocket side.
23. Temporarily install your drive shaft onto shaft adapter and connect to the combine. Check all components for the proper fit. Do not tighten.

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

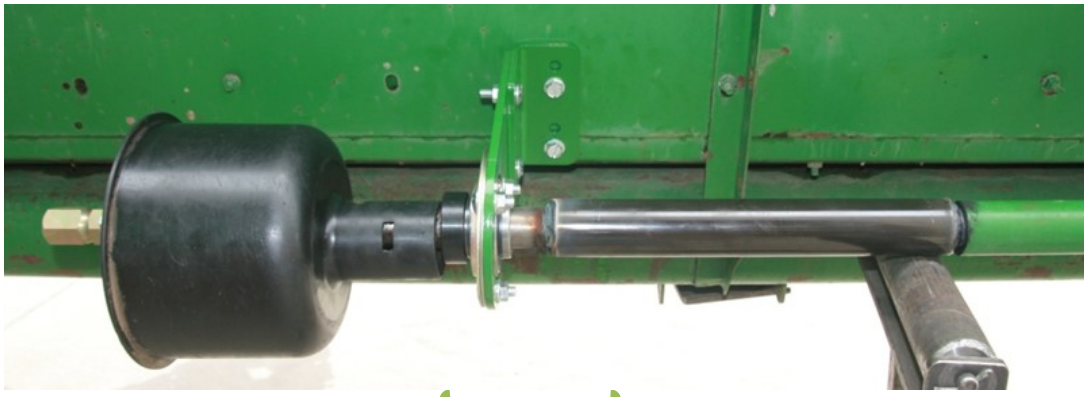


Figure 5

Figure 6

Figure 7

Refer to Figure 8

24. If there are no predrilled holes to attach mount, after the bearing mount is positioned as needed, mark the back of the header through the two 3/8” holes in bearing mount.
25. Drill out the two marks with a 3/8” drill bit.
26. Secure to the header by screwing two bolts (LAN1818A) from the back of the head to the front and secure with two nuts (LAN3718).

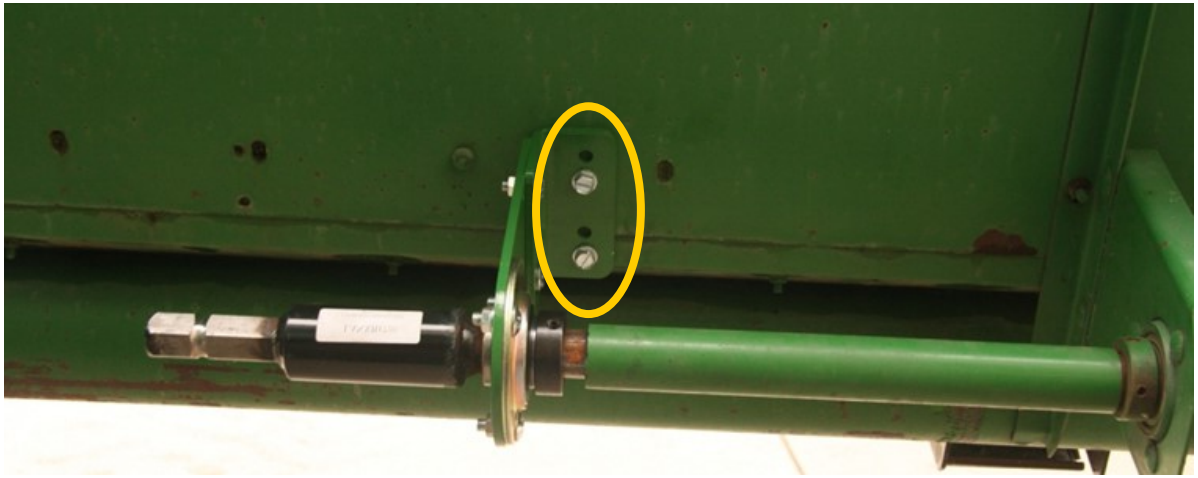


Figure 8

27. Reinstall drive shaft to clutch adapter. A groove is provided in clutch adapter (LAN102) for the half inch locking bolt on the compression yoke. Tighten all hardware.
28. Inspect to make sure all shielding is in place (plastic tube, clutch bell).

Refer to Figures 9 & 10

29. Position the PTO support (LAN108) approximately 10 ½" inches down from the header rail on the outside of the center vertical sub frame.
30. Make sure the PTO shaft slides on and off the PTO support before welding to sub frame.

Note: Proper shielding is the responsibility of the installer or end-user.

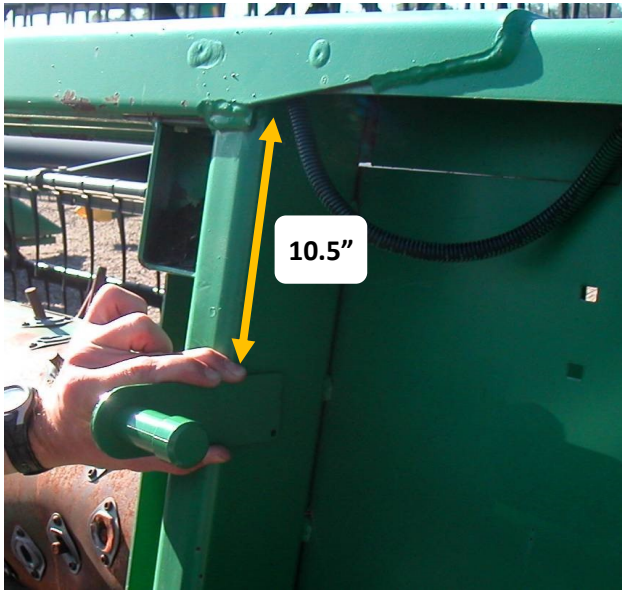


Figure 9

Figure 10

For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682