

LAN84151

Installation Instructions

Converts John Deere® Platform Heads with Reel Fore/Aft to Single Point Hydraulic & Electrical Connection

LANKOTA®

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Numerical Parts List

Part Numbers	Description	Qty
LAN166991A	Multicoupler Block w/ 2 Small & 3 Large Fittings	1
LAN204828	Storage Bracket (Green)	1
LAN5250906	Electrical Wire Harness (EC300)	1
LAN175880	Snap Ring	1
LAN120847	Hydraulic Holder Halves	6
LAN112567	Hyd Holder Cover Plates	3
LAN202510	Velcro Straps	3
LAN84151HK	Hose Kit	1
LAN75167	4050-15P "Poppet" Coupler	1
LAN94522	8010-15 Poppet Male Tip	2
LAN17108	H2-63-T6 Nipple Adapter	2
LAN202413	50" x 1/4" Hose (Light Blue)	1
LAN202414	179" x 1/2" Hose (Red)	1
LAN202415	178" x 1/4" Hose (Dark Blue)	1
LAN202416	50" x 1/2" Hose (Green)	1
LAN202417	179" x 1/2" Hose (Yellow)	1
LAN84151BH	Bag of Hardware	1
LAN18A	3/8" x 1.0" Carriage Bolt	4
LAN3718	3/8" Serrated Flange Nut	4
LAN03M7189	M8-1.25 x 60mm Flange Bolt	3
LANF33UBAG	M8-1.25 Tap	1

Pictorial Parts List

				
LAN166991A (1)	LAN204828 (1)	LAN5250906 (1)	LAN175880 (1)	LAN202510 (3)
				
LAN120847 (6)	LAN112567 (3)	LAN94522 (2)	LAN17108 (2)	LAN75167 (1)
				
LAN202413 (1)	LAN202414 (1)	LAN202415 (1)	LAN202416 (1)	LAN202417 (1)
				
LAN18A (4)	LAN3718 (4)	LAN03M7189 (3)	LANF33UBAG (1)	

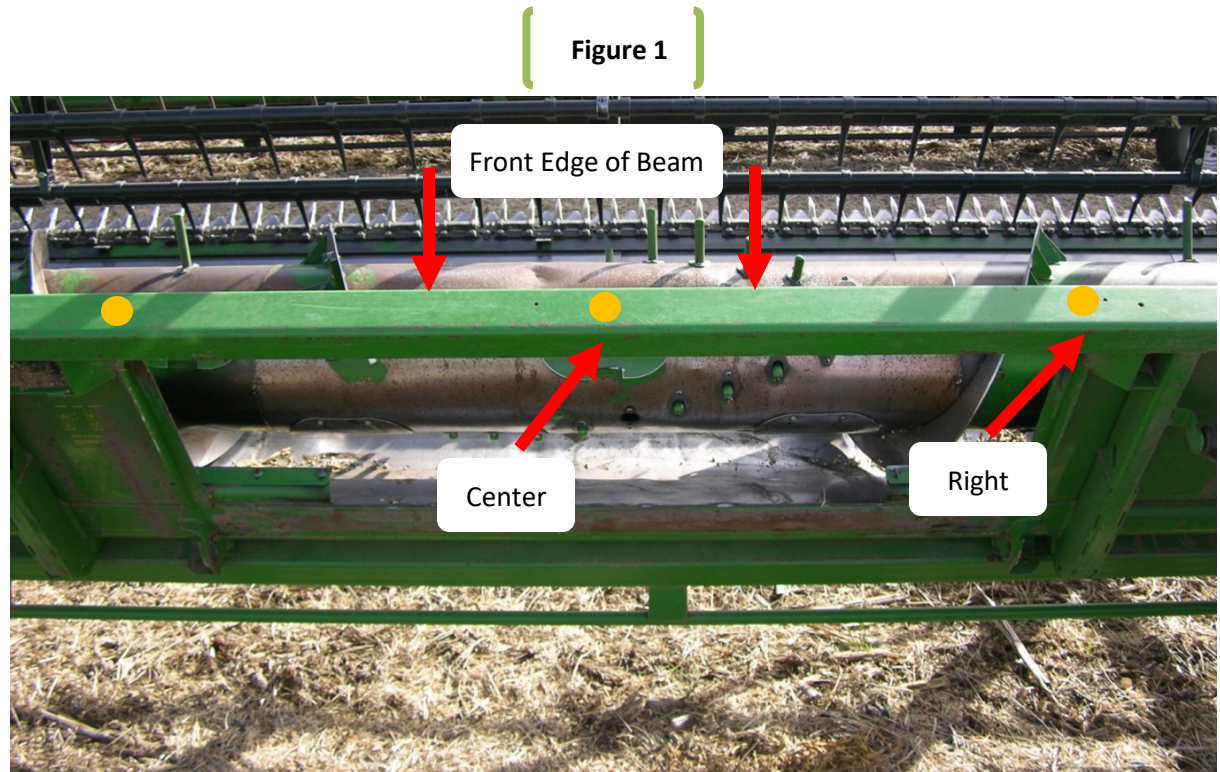
Preparation

1. Lower the reel and insert bolts into reel slide arms to prevent reel movement.
2. Remove the head from combine.
3. Ensure all hydraulic handle valves are in the CLOSED position until installation is complete.
4. Always wear proper safety equipment and follow proper safety procedures.

Kit Installation

Refer to Figure 1

1. Measure the top beam of the feeder house opening to find the center mark.
2. Measure 38 inches to the right and left of the center point and place a mark at each point.
3. Measure 2-1/16 inches from the front edge of the beam back toward the combine side and place a mark at each point.
4. Before drilling holes make sure that no wires or hyd lines are under the marks made in Step 3. Drill a 17/64 inch hole at each marking. (3 TOTAL HOLES)
5. After drilling the three holes, use a M8 x 1.25 tap to thread holes.



Kit Installation

Refer to Figure 2

6. Locate one hydraulic male poppet (LAN17108). Attach fitting to the hydraulic hose with the **dark blue** band (LAN202415) and tighten.

Refer to Figures 3 & 4

7. On the left hand side of the head, locate the opening under the top beam that is above the feederhouse opening (the hoses are currently running underneath it).
8. Take the hydraulic hose with the **dark blue** band (LAN202415) and run the male end from left to right.

Figure 2



Figure 3

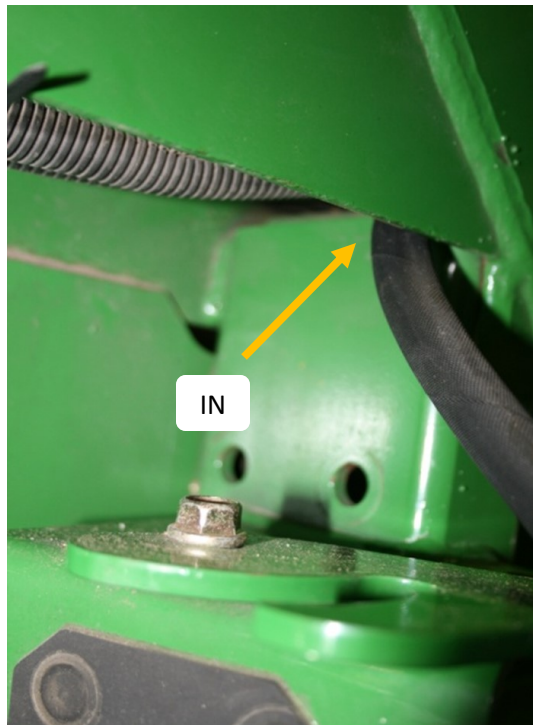
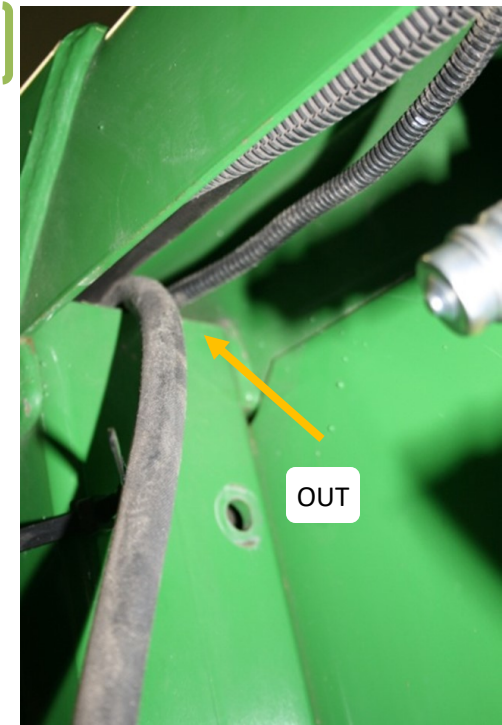


Figure 4



Kit Installation

Refer to Figure 5

9. Plug the hydraulic hose marked with the **dark blue** band into the lower right hand coupler.

Refer to Figure 6

10. Take the hydraulic hose marked with the **yellow** band (LAN202417) and attach the large female hydraulic coupler (LAN75167).



Figure 5

Figure 6



Kit Installation

Refer to Figure 7

11. Plug the hydraulic hose marked with the **yellow** band into the top right hand coupler.

Refer to Figure 8

12. Take the hydraulic hose marked with the **red** band (LAN202414) and attach large male hydraulic poppet (LAN9452) to the male end of the hydraulic hose.



Figure 7

Figure 8



Kit Installation

Refer to Figure 9

13. Plug the hydraulic hose marked with the **red** band (LAN202414) into the middle right coupler.

Refer to Figures 10 & 11

14. Take the hydraulic hoses marked with the **red** (LAN202414) and **yellow** (LAN202417) bands and run them over the top beam of the feeder house opening on the header.
15. Using the (6) hydraulic holder halves (LAN120847), (3) cover plates (LAN112567) and (3) M8 flange bolts (LAN03M7189) secure the hydraulic hoses to the three holes that were drilled and tapped in Steps 4 & 5.
16. DO NOT tighten bolts completely so hydraulic hoses are allowed to freely move until assembly is completed.

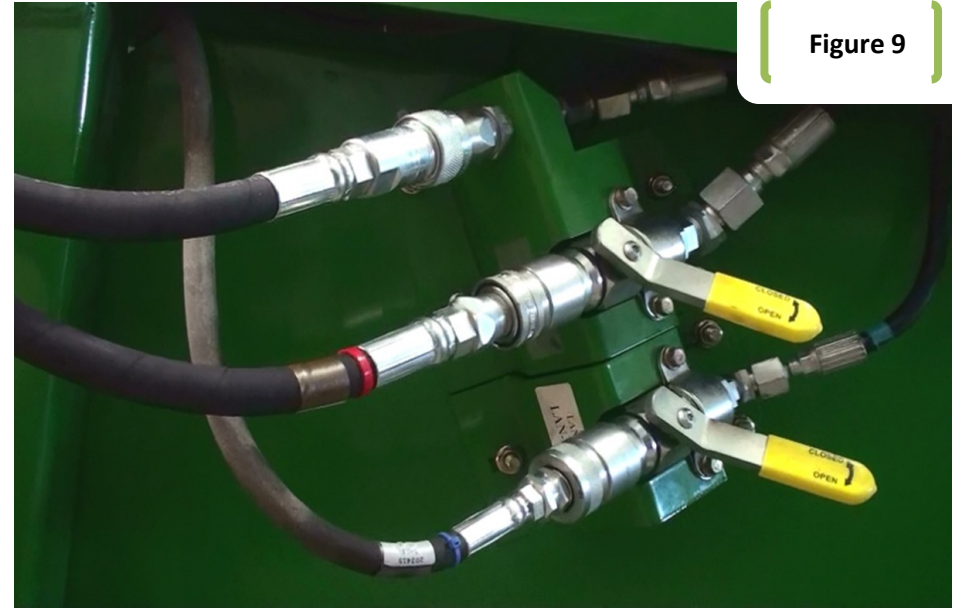


Figure 9



Figure 10



Figure 11

Kit Installation

Refer to Figure 12

17. Take the hydraulic hose marked with the **green** band (LAN202416) and attach the large male hydraulic fitting (LAN94522).

Refer to Figure 13

18. Take the hydraulic hose marked with the **light blue** band (LAN202413) and attach the second small male hydraulic poppet (LAN17108).

Refer to Figure 14

19. Plug the hydraulic hose marked with the **green** band (LAN202416) into the top left hydraulic plug.
20. Plug the hydraulic hose marked with the **light blue** band (LAN202413) into the lower left hand port.

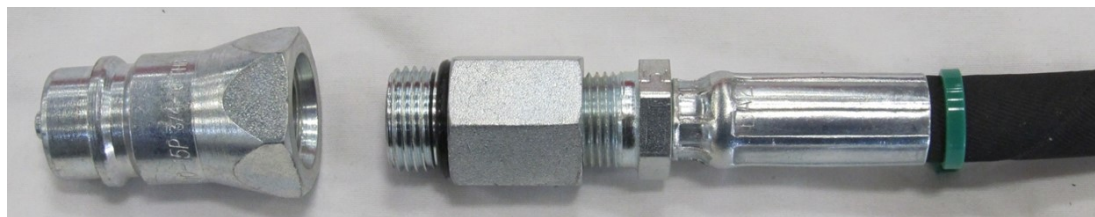


Figure 12

Figure 13



Figure 14



Electrical Conversion

Note: Platforms without a 31 pin wiring harness will not function properly on combines newer than 50 Series. If the header is not equipped with 31 pin wiring harness, contact Lankota for a Potentiometer Sensor Update.

Refer to Figure 15

If the corn head is equipped with the 31 pin wiring harness; then attach the supplied electrical wire harness (LAN5250906) as shown.

Figure 15



Note: Whenever attaching a new or different head to a 50, 60, or 70 series combine you will need to do a feeder house and header calibration on one key start. Refer to combine operator manual.

Kit Installation

21. After connecting and routing all the hydraulic hoses to the appropriate spots as described in previous steps, make sure there is enough slack in the lines to connect the hoses to the single point connector (LAN166991A).

Refer to Figures 16 & 17

22. Attach the hydraulic hoses to the correct colored coupler on the single point connector (LAN16691A).
23. Attach the electrical wire harness (LAN5250906) to the multi-coupler blocker using the provided snap ring (LAN175880).
24. Place the single point connector into the storage mounting bracket (LAN204828) as shown in Figure 16.
25. Open all hydraulic handle valves to allow for header oil flow during operation.
26. Secure all loose hoses with provided Velcro straps (LAN202510). Tighten the three bolts that attach the hydraulic hose holders to the frame on the top rail.



Figure 16

Figure 17



Kit Installation

Refer to Figure 18

27. Find suitable location for the storage bracket (LAN204848) in the area shown.
28. Be sure to find a spot that does not stretch the hoses too tight.
29. Mark one hole on the storage bracket and drill a hole using 3/8" bit.
30. Align storage bracket to run parallel to the top beam of the corn head. Mark and drill the other 3 holes.
31. Secure bracket with 3/8" x 1.0" carriage bolts (LAN18A) and 3/8" serrated lock nuts (LAN3718).
32. Place multi-coupler block (with hoses attached) into the storage bracket (LAN204828).

Figure 18

For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

