

LAN84151MD

Installation Instructions

Converts Mac Don 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	Multi-Coupler Block with 2 small and 3 large Fittings	1
LAN204828BLK	Storage Bracket (Black)	1
LAN5250906	Electrical Wire Harness (EC300)	1
LAN175880	Snap Ring	1
LAN120847	Hydraulic Holder Valves	6
LAN112567	Cover Plates	3
LAN202510	Velcro Strap	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 ¼" Hose	1
LAN202414	179" x ½" Hose	1
LAN202415	178" x ¼" Hose	1
LAN202416	50 x ¼" Hose	1
LAN202417	179" x ½" Hose	1
LAN84151BH	Bag of Hardware	1
LAN18A	3/8" x 1.0 Carriage Bolt	4
LAN3718	Lock Nut	4
LAM03M7189	M8-1.25 x 60mm Flange Screw	3
LANF33UBAG	M8-1.25 Tap	1

Pictorial Parts List

				
LAN166991A (1)	LAN204828BLK (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)	

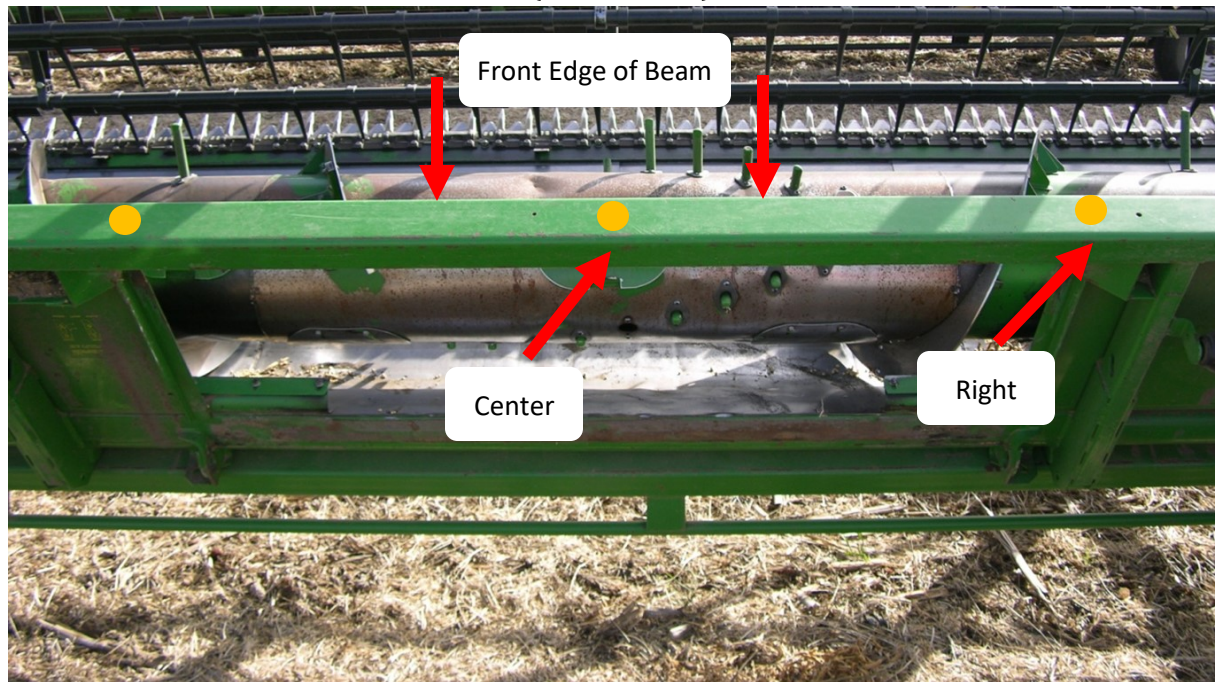
Preparation

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.
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

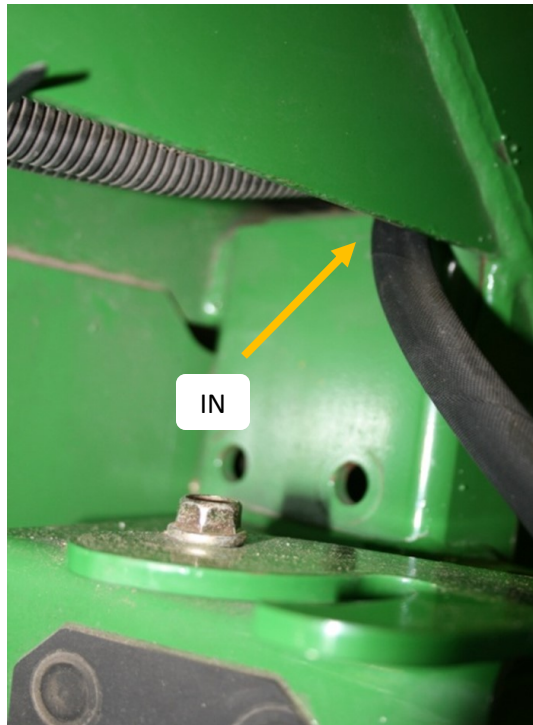
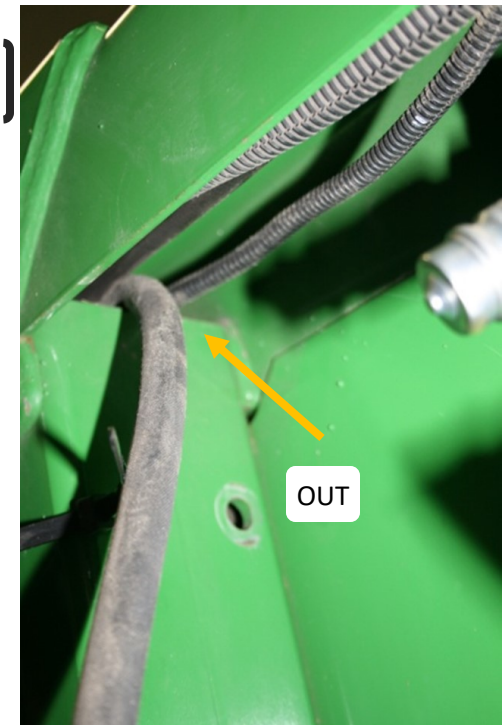


Figure 3

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.

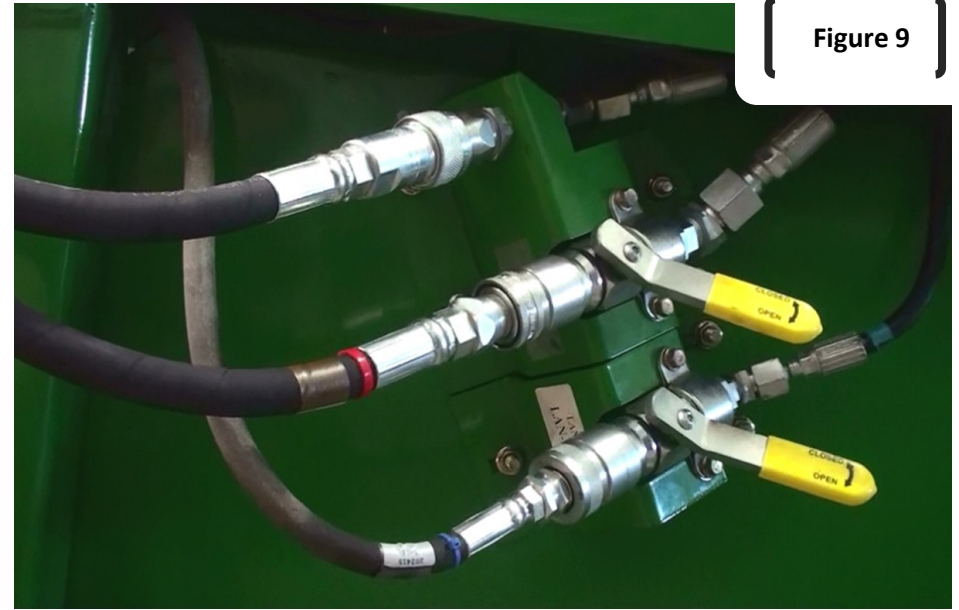


Figure 9



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). Plug it into the top left hydraulic port.

Refer to Figure 13

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

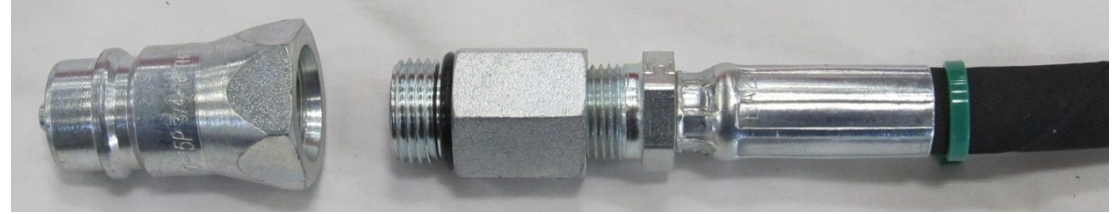


Figure 3

Figure 4



Figure 14



Kit Installation

16 Pin Electrical (Dial-O-Matic) Rigid Platforms

Refer to Figure 15

21. When using the LANEC100 Adapter Cable (not included) on a **rigid head**, remove and peel back protective plastic covering. Locate wires 17, 18, 28 and cut. Tape both ends of the wire with electrical tape to prevent ends from shorting out. Re-install protective sheath and tape. Connect LAN-EC100 to LAN-5250906 adapter cable (31 pin to single point connector).

16 Pin Electrical (Dial-O-Matic) Flex Platforms

Refer to Figure 16

22. When using LAN –EC100 adapter cable on a **flex platform** head you must remove protective coating that covers wires on 31 pin end. Locate and cut wire to pin **#17**. Tape both ends of the wire with electrical tape to prevent ends from shorting out. Re-install protective sheath and tape. Connect LANEC100 to LAN5250906 adapter cable (31 pin to single point connector).



〔 Figure 15 〕

〔 Figure 16 〕



Kit Installation

NOTE: 70 series JD combines will not run Dial-A-Matic. D-A-M heads on 70 series combines will need to be converted to Potentiometer sensor. Contact Lankota for this update.

Refer to Figure 17

23. If head needs to be converted to a newer model, with 31 pin connector, the Adapter Cable (LAN5250906) supplied with this kit can be directly connected to the connector on the back of head.



Figure 17

Kit Installation

24. 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 18 & 19

25. Attach the hydraulic hoses to the correct colored coupler on the single point connector (LAN16691A).
26. Attach the electrical wire harness (LAN5250906) to the multi-coupler blocker using the provided snap ring (LAN175880).
27. Place the single point connector into the storage mounting bracket (LAN204828BLK) as shown in Figure 16.
28. Open all hydraulic handle valves to allow for header oil flow during operation.
29. 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 18



Figure 19

Kit Installation

30. Place Multi-Coupler Block (with hoses attached) into storage bracket (LAN204828BLK).

Refer to Figures 20 & 21

31. Find suitable location for the storage bracket in the area shown.
32. Be sure to find a spot that does not stretch the hoses too tight.
33. Mark one hole on the storage bracket and drill hole using 3/8" bit.
34. Align storage bracket to run parallel to top beam of head. Mark and drill the other 3 holes.
35. Secure bracket with (LAN18A) carriage bolts and (LAN3718) nuts.

Figure 20



For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

Figure 21

