

LAN84108

Installation Instructions

Converts 90 Series Corn Heads *with* Hydraulic Deck Plates to Singe Point Hookup

LANKOTA[®]

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Numerical Parts List

Part Numbers	Description	Quantity
LAN166993A	Multi-coupler Block with 2 Small Adapters – (2 Blue)	1
LAN5250906	Electrical Wire Harness – LANEC300	1
LAN204828	Storage Bracket	1
LAN202510	Velcro Strap	3
LAN6FF	Hydraulic Cap	2
LAN175880	Snap Ring	1
LAN169707	25.5" x 1/4" Hydraulic Hose	2
LAN25162*	Hose Clamps	2
LAN03M7185*	M8-1.25 x 25mm Carriage Bolt	2
LAN14M7298*	M8-1.25 Flange Nut	2
LAN18A*	3/8" x 1" Carriage Bolt	4
LAN3718*	3/8" Serrated Lock Nut	4

*included in bag of hardware.

Pictorial Parts List

 <p>LAN166993A (1)</p>	 <p>LAN5250906 (1)</p>	 <p>LAN25162 (2)*</p>	 <p>LAN175880 (1)*</p>
 <p>LAN14M7298 (2)*</p>	 <p>LAN204828 (1)</p>	 <p>LAN18A (4)*</p>	 <p>LAN03M7185 (2)</p>
 <p>LAN202510 (3)*</p>	 <p>LAN3718 (4)*</p>	 <p>LAN6FF (2)*</p>	 <p>LAN169707 (2)</p>

Preparation

1. Raise the feeder house, lifting the corn head completely.
2. Shut off the engine, set the parking brake, and lower the safety stop.
3. Always remove paint from areas to be welded to avoid toxic fumes. Always paint, grind, or weld in well ventilated area.

1. Hydraulic Coupler

Refer to Figure 1

- 1.1 Disconnect hose from left hand hydraulic coupler.
- 1.2 Install cap (LAN6FF) onto left hand hydraulic coupler.
- 1.3 Cover hydraulic hoses to prevent contamination.

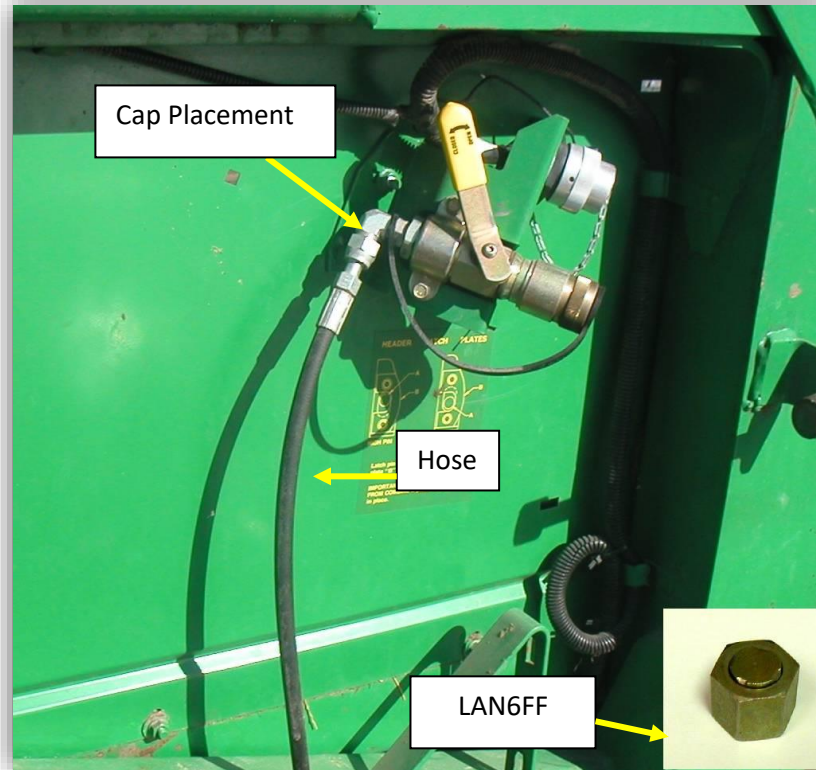


Figure 1

Refer to Figure 1.1a

- 1.4 Disconnect hose from right hand hydraulic coupler.
- 1.5 Install Cap (LAN6FF) onto right hand hydraulic coupler.
- 1.6 Cover hydraulic hoses to prevent contamination.

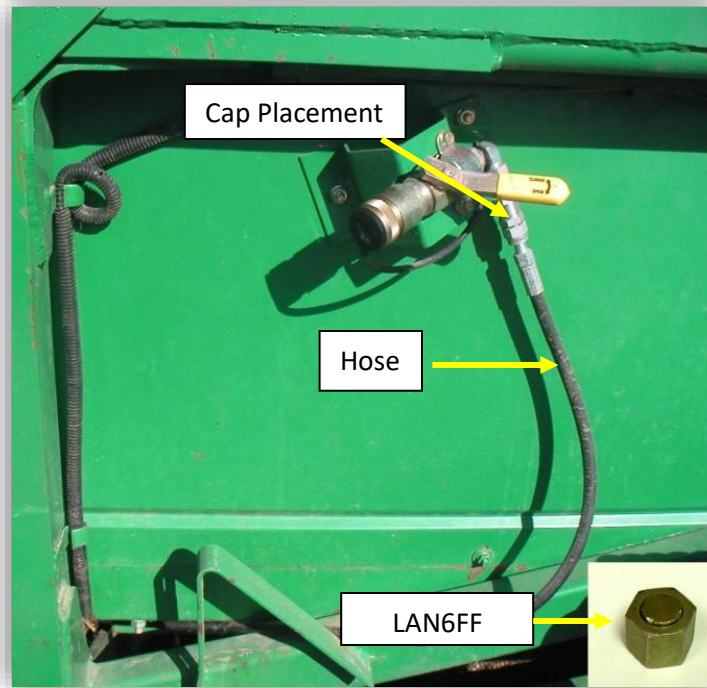


Figure 1.1a

Refer to Figure 1.1b

- 1.7 Pull right-hand hydraulic hose down through opening on the right hand side of the feeder house opening.



Figure 1.1b

2. Corn Head Shield

Refer to Figure 2

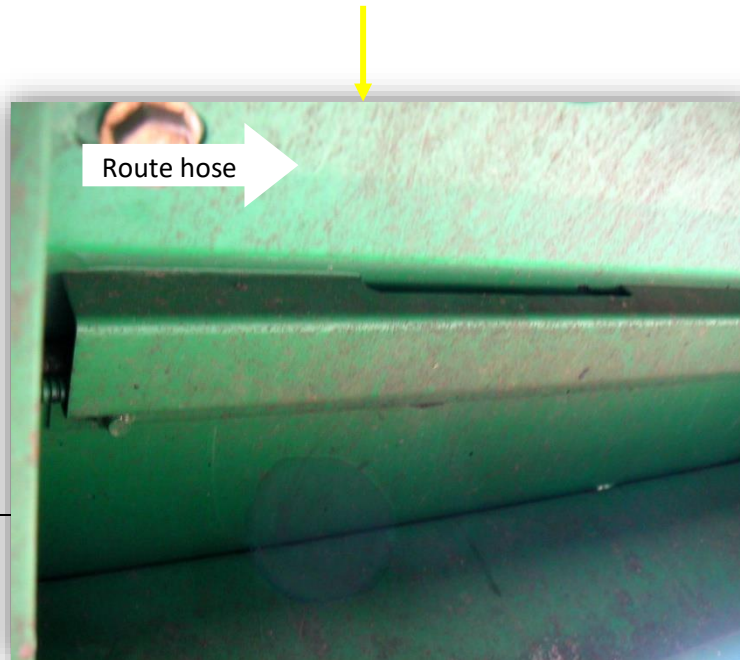
- 2.1 Remove nuts on right-hand shield under corn head and remove the shield.
- 2.2 Route the right hand hose to left-hand side of corn head, reinstall shield and retain with nuts removed earlier.

Figure 2



Refer to Figure 2.1

- 2.3 Remove nuts on left-hand shield under corn head and remove the shield.
- 2.4 Route the right-hand hose along with existing left-hand hose. Re-Install shield with nuts removed earlier.



Refer to Figure 2.2

2.5 Route right-hand hose up through opening on the left side of the head.



Figure 2.2

Figure 2.1

3. 16 Pin Electrical Heads (1999 and earlier)

Refer to Figure 3

3.1 If older model heads with 16 pin electrical cables are to be converted to 60 or 70 series combines, two adapter cables must be used. LANEC100 (NOT INCLUDED - 16 pin to 31 pin 50 series) plus LAN5250906 (INCLUDED - 31 pin 50 series to 31 pin single point hookup).

NOTE: When utilizing LANEC100 in this application, you must identify and cut the wires that go to pins 16, 17 & 18. Tape both ends of the wires after cutting to prevent any electrical short. This wiring scenario will only runs header lights, no other header operations.

3.2 Contact Lankota to add Header Height and Contour Master Sensors.

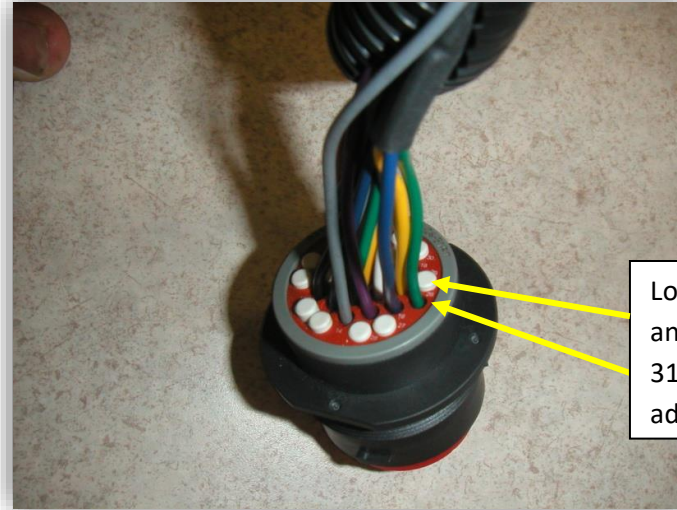


Figure 3

Locate and cut pins 16, 17, and 18 on the back of the 31 pin side of the EC100 adapter.

4. 31 Pin Electrical Heads

Refer to Figure 4

4.1 Attach Electrical Cable provided in the kit (LAN5250906) to existing 31 pin connections on the head. It is not necessary to cut any wires when using this connector harness.

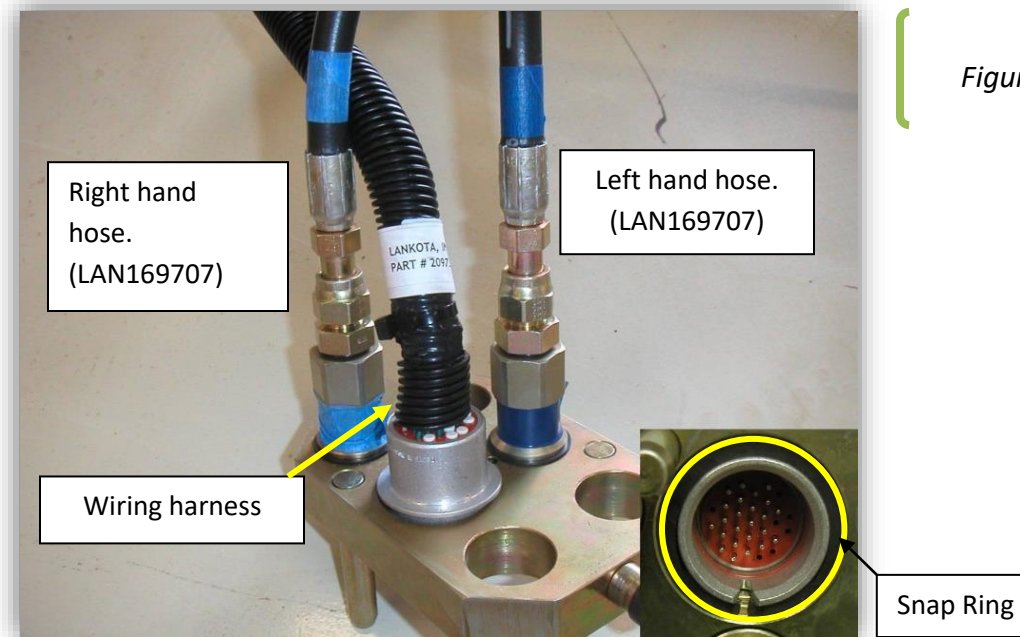


Figure 4

5. Hose and Harness Extension

Refer to Figure 5

- 5.1 Attach the Hose Extensions (LAN169707) to the left and right side hoses.
- 5.2 Install left-hand Hose Extension (LAN169707) onto Multi-Coupler (LAN166993) at connector with dark blue locator.
- 5.3 Install right-hand Hose Extension (LAN169707) onto Multi-Coupler (LAN166993) at connector with light blue locator.
- 5.4 Install electrical harness connector into Multi-Coupler and retain with Snap Ring (LAN175880).



6. Mounting storage bracket for single point coupler

(It's best to perform this mounting after you have attached the hoses to the multi-coupler block)

Refer to Figure 6

Find suitable location for the storage bracket on the back side of the header, above the left hand drive shaft.

6.3 Be sure to find a spot that does not stretch the hoses too tight.

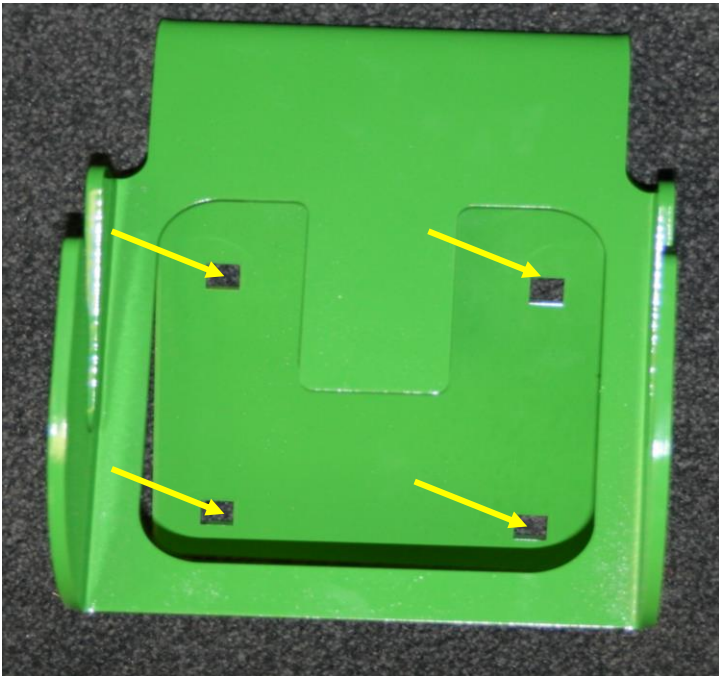
6.4 Mark one hole on the storage bracket and drill hole using 3/8" bit.

6.5 Align storage bracket to run parallel to top beam of head. Mark and drill the other 3 holes.

6.6 Secure bracket with (LAN18A) Carriage Bolts and (LAN3718) Nuts.

6.7 Retain Hose Extensions to back sheet metal with clamps (LAN25162), Carriage Bolts (LAN03M7185) and Nuts (LAN14M7298). Simply position holes and clamps in area easily accessible, use Velcro straps (LAN202510) to take up extra slack in hoses.

Figure 6



For further technical support you may contact:

Lankota Inc.

866-526-5682