

LAN84111

Installation Instructions

Converts 900 Series Belt Pick-Up Heads to Single Point Combines

LANKOTA®

270 West Park Avenue

Huron, SD 57350







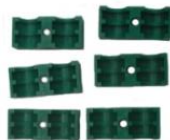

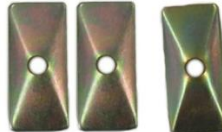









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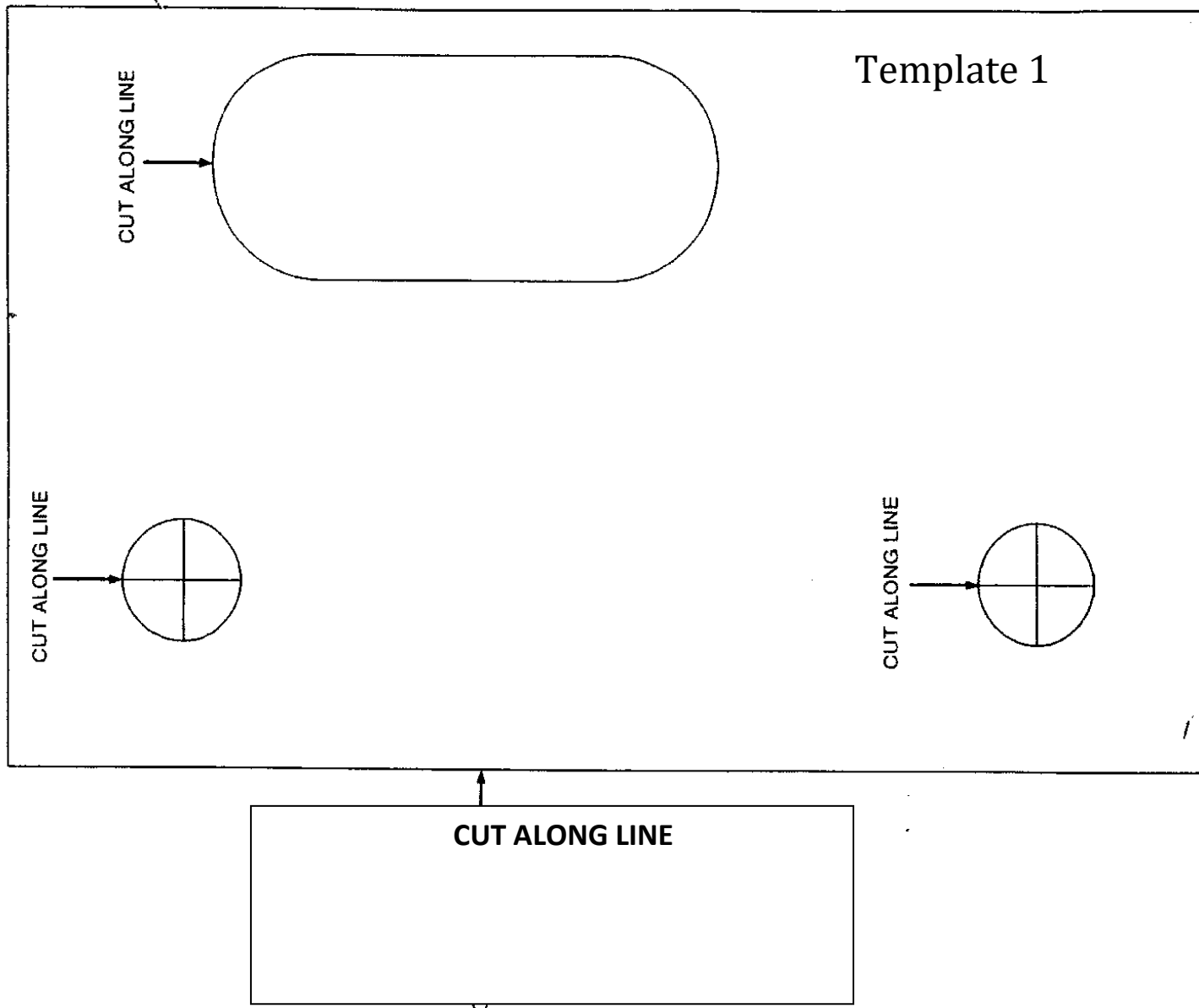
Numerical Parts List

<i>Part Numbers</i>	<i>Description</i>	<i>Quantity</i>
LAN166994A	Multi Coupler Block w/ 2 Big (Red & Yellow)	1
LAN5250906	Wiring Harness	1
LAN25162*	Hose Clamp	2
LAN202937	300" x 1/4" Hydraulic Hose	2
LAN204828	Storage Bracket - Green	1
LANFS6400810	Small Hydraulic Fitting	1
LANFS64001010	Large Hydraulic Fitting	1
LAN202510	Velcro Straps	3
LAN9002	90° Bracket	2
LAN3718*	3/8" Serrated Flange Nut	4
LAN18A*	3/8" x 1.00" Carriage Bolt	4
LAN14M7296*	M10-1.5 Flange Nut	2
LAN14M7298*	M8-1.25 Flange Nut	3
LAN03M7189*	M8-1.25 x 60 mm Flange Bolt	3
LAN19M7784*	M10-1.5 x 20 mm Flange Bolt	2
LAN120847*	Hose Holder	6
LAN175880*	Snap Ring	1
LAN112567*	Cover Plate	3

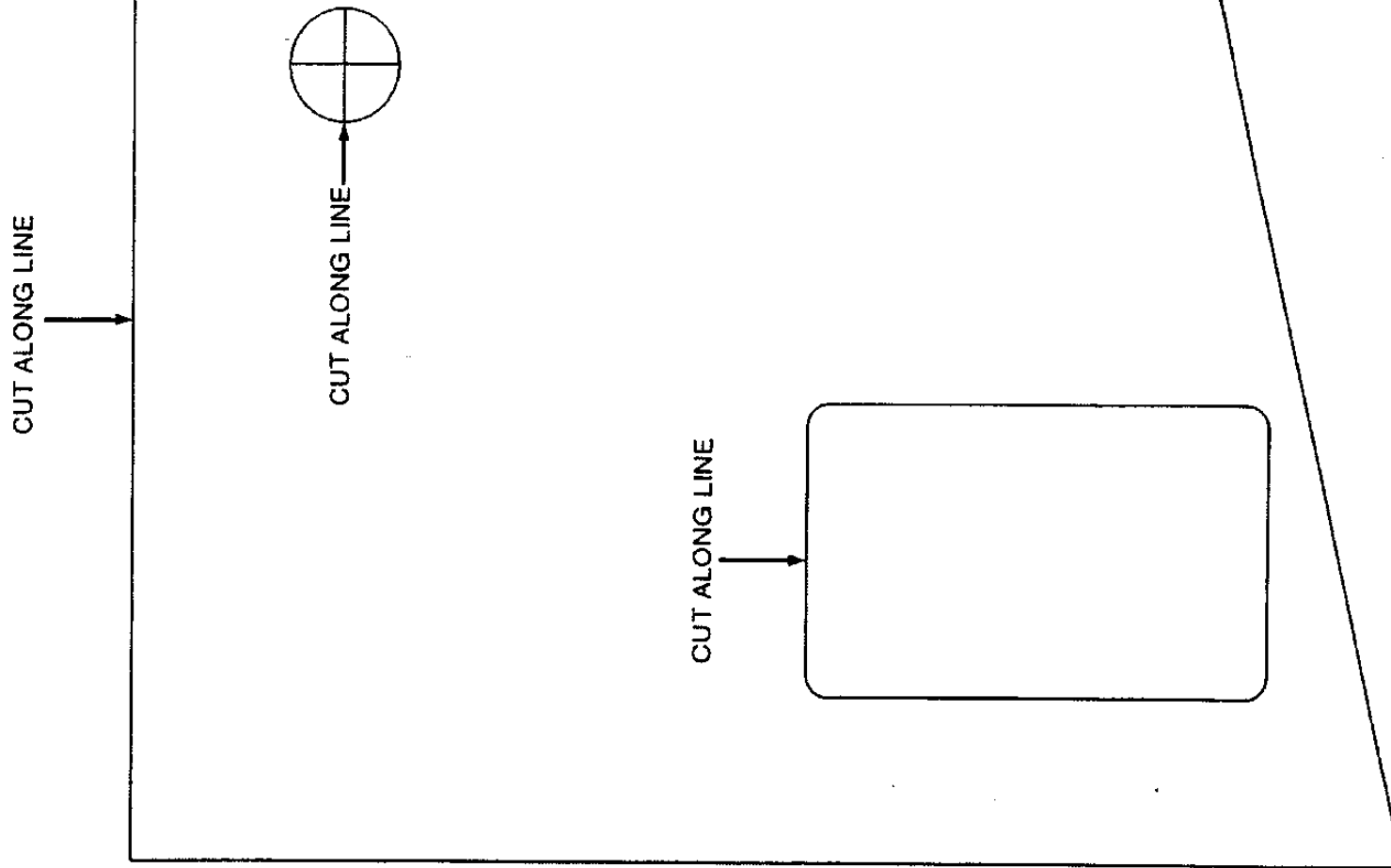
**included in bag of hardware*

Pictorial Parts List

 <p>LAN3718 (4)*</p>	 <p>LAN18A (4)*</p>	 <p>LAN14M7296 (2)*</p>	 <p>LAN14M7298 (3)*</p>	 <p>LAN03M7189 (3)*</p>
 <p>LAN19M7784 (2)*</p>	 <p>LAN120847 (6)*</p>	 <p>LAN175880 (1)*</p>	 <p>LAN112567 (3)*</p>	 <p>LANFS6400810 (1)</p>
 <p>LANFS64001010 (1)</p>	 <p>LAN202510 (3)</p>	 <p>LAN9002 (2)</p>	 <p>LAN166994A (1)</p>	 <p>LAN5250906 (1)</p>
 <p>LAN25162 (2)*</p>	 <p>LAN202937 (2)</p>	 <p>LAN204828 (1)</p>		



Template 2



Preparation

1. Raise the feeder house and head assembly, and lower the safety stop.
2. To prevent electrical components from getting damaged when welding, remove the single point ground and ECU wiring harness connections.
3. Cut out paper templates included in the instructions.
4. Remove the existing hoses and fittings from the hydraulic motor which runs the belt pickup. Remove original hoses from header.

1. Cutting holes for hydraulic lines

Refer to Figure 1.1

- 1.1 Using TEMPLATE 1 and the two bolts as a guide on the left hand side of the header, mark the 1 ½" by 3 ½" inch oval hole along the outer edge of the head.
- 1.2 Remove the template and cut out the hole. Grind the hole smooth to prevent chafing of the hydraulic lines.

**** Always wear safety glasses or shield to prevent injuries during cutting or grinding. Weld, grind, and paint with proper respirator and in a well ventilated area.**



Figure 1.1

Refer to Figure 1.2

- 1.3 Find the location for TEMPLATE 2 indicated by arrows in Figure 1.2.
Using the bolt as a guide, align template.
- 1.4 Mark the area and remove the template, repeat on the opposite side.
- 1.5 Cut out the marked areas being careful not to cut the cross tube.
Grind hole smooth to prevent chafing of the hydraulic lines.

Figure 1.2



2. Welding of Brackets

Refer to Figure 2.1

2.1 Weld two 90° brackets (LAN9002) at the base of the cut. One on each side of header.

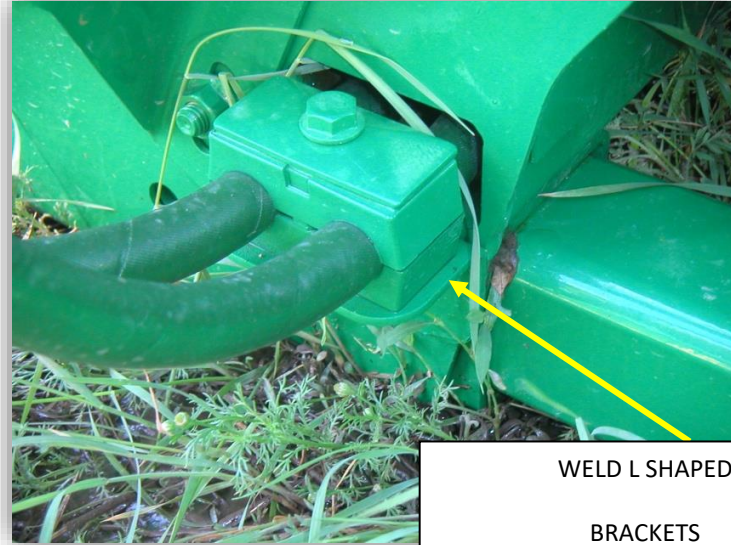


Figure 2.1

3. Installing the Hydraulic Fittings and Lines

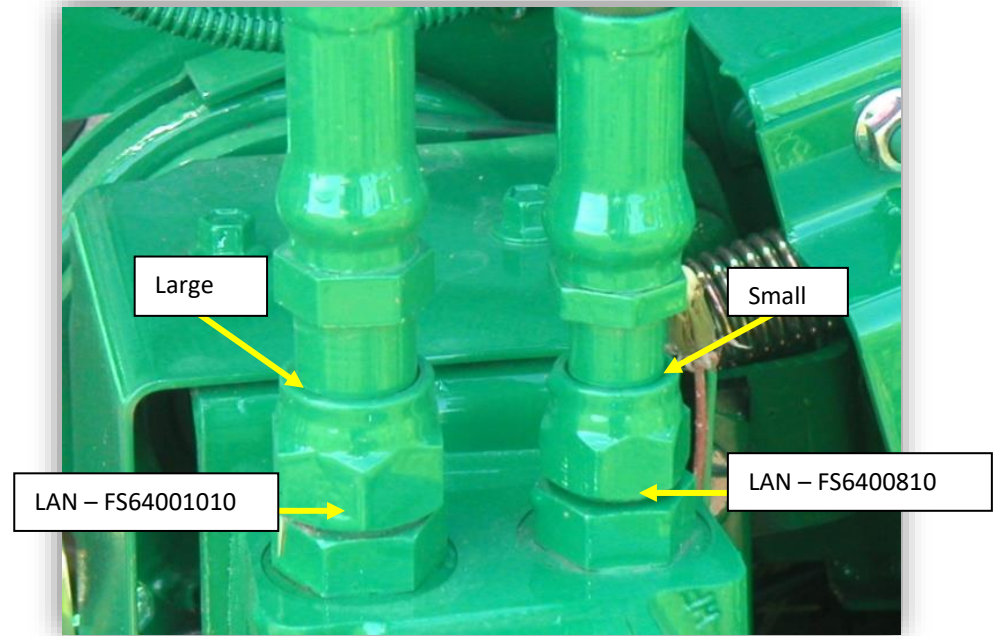
Refer to Figure(s) 3.1 & 3.2

- 3.1 Run the two hydraulic hoses (LAN202937) (cap ends of hoses to avoid dirt contamination) through the cross tube from the hydraulic motor to the other side.
- 3.2 Install large hydraulic fitting (LANFS64001010) into left hole in hydraulic motor.
- 3.3 Install small hydraulic fitting (LANFS6400810) into right hole in hydraulic motor.
- 3.4 Attach the large end of hydraulic hose to large fitting end. Attach small end of hydraulic hose to smaller fitting.

Figure 3.1



Figure 3.2



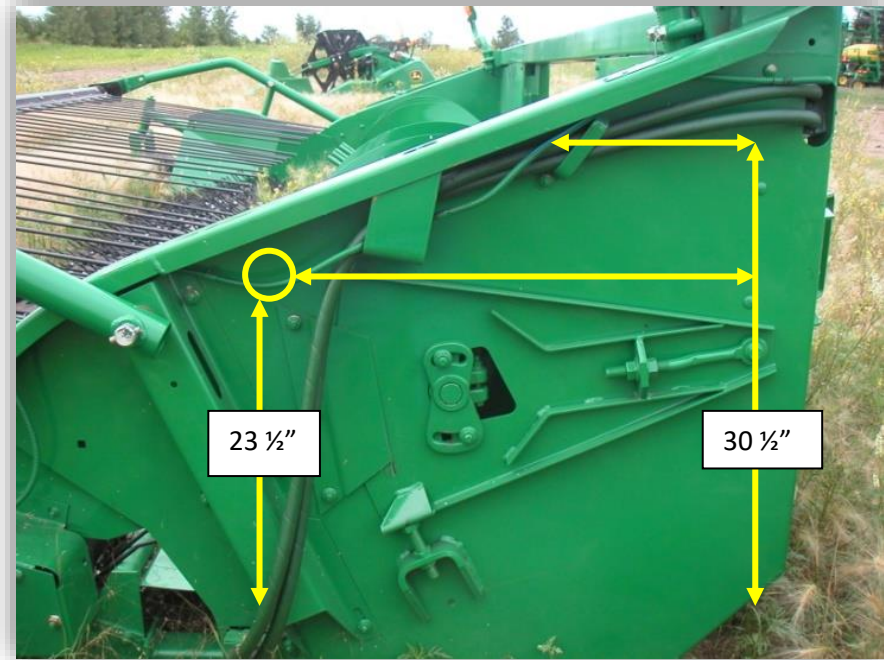
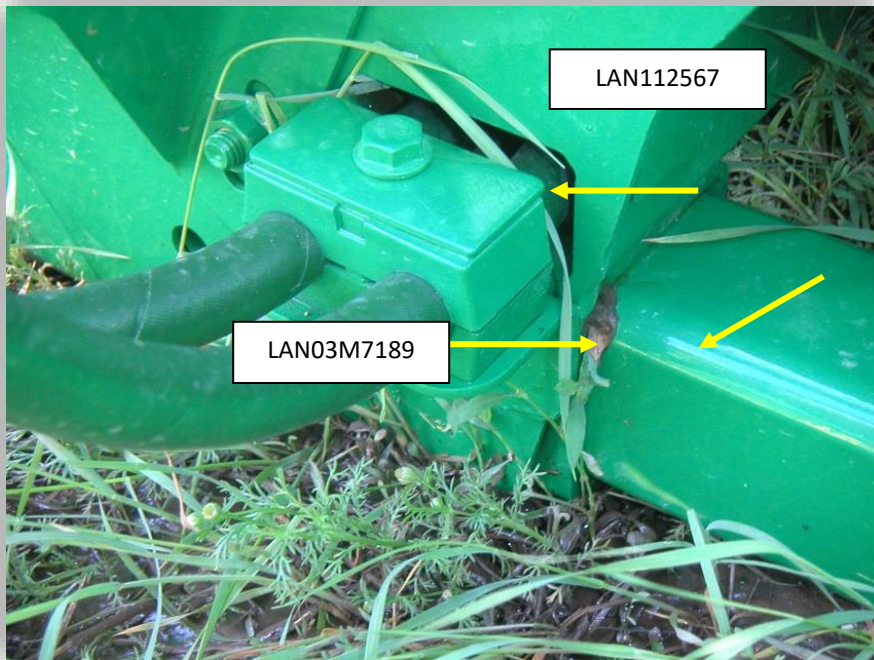
Refer to Figure(s) 3.3 & 3.4

3.5 Attach hose holders to hoses and L shaped brackets previously welded in figure 2.1. Hold in place with Bolt (LAN03M7189) and Nut (LAN14H7298). Do the same on both sides of head.

3.6 Using the following picture (3.4), drill two 3/8" holes. First, measure 35 1/2" from the back of the header going to the front and 23 1/2" from the bottom to the top. Secondly, measure 15" from the back and 30 1/2" from the bottom. This is where you will attach double hose clamps.

Figure 3.3

Figure 3.4



Refer to Figure(s) 3.5 & 3.6

- 3.7 Route the hoses through the frame bracket (B) and the rounded opening (D) as shown below. Attach double hose clamps (LAN25162) to hoses and attach at points (A) and (C) using bolts (LAN19M7784) and nuts (LAN14M7298).
- 3.8 After running the hose through the hole, secure hoses with 2 hose holders, (LAN120847) and 1 cover plate (LAN112567). Hold in place with bolt (LAN03M7189) and nut (LAN14M7298). An additional 3/8" hole may need to be drilled to accommodate this.

Figure 3.5

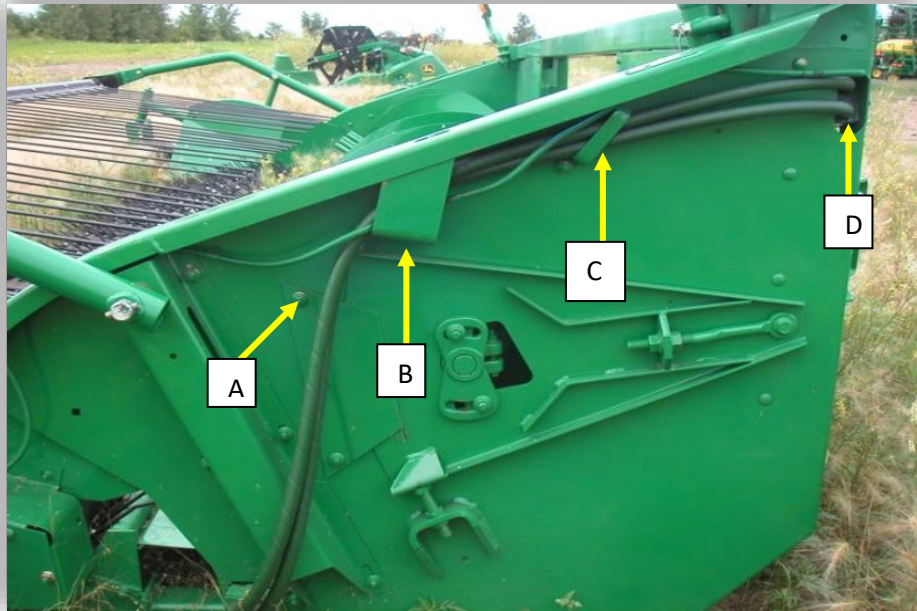
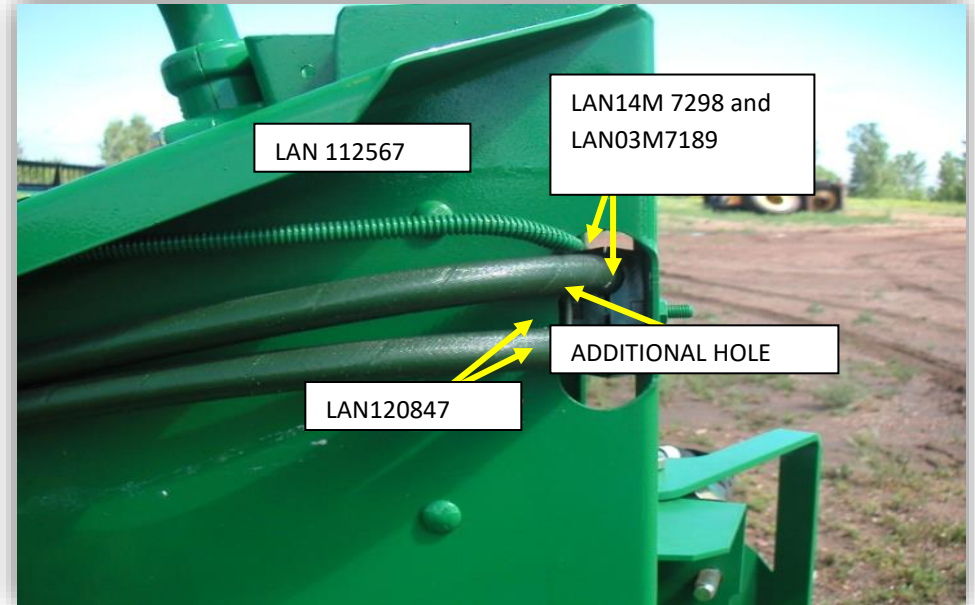


Figure 3.6

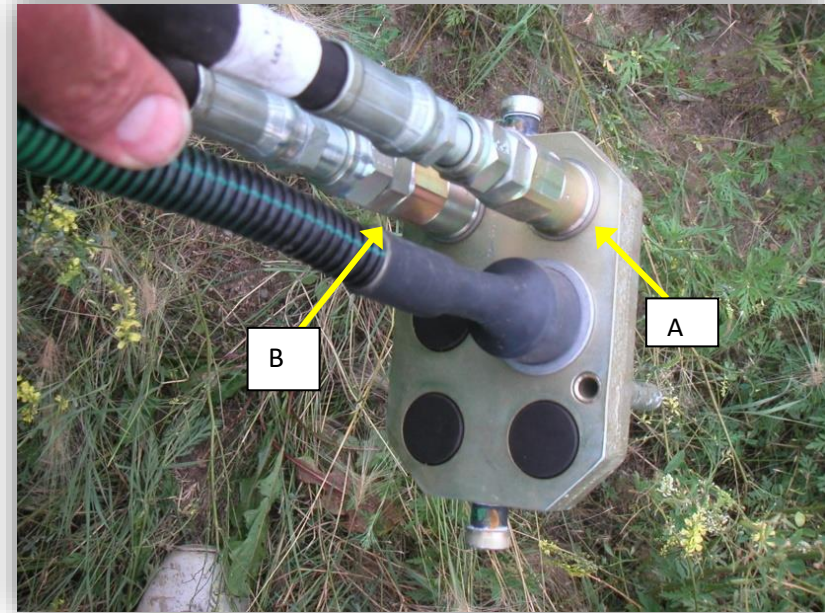


4. Multi-Coupler Assembly

Refer to Figure 4.1

4.1 Now attach the hoses to the multi-coupler (LAN166994). The hose with the smaller end goes to connection (A) and the hose with the larger end goes to connection (B).

Figure 4.1



*****ELECTRICAL CONNECTIONS (FOR HEADS 685XXX AND AFTER SIP TO 31 PIN ELECTRICAL HEADS)**

5. 16 Pin Electrical Heads (685XXX and earlier)

Refer to Figure (s) 5.1 & 5.2

- 5.1 If older model heads with 16 pin electrical cables are to be converted to 60 series combines, two adapter cables must be used. (LANEC100 not included in this kit) (16 to 31 pin) plus (LAN5250906) (31 Pin to single point hookup).
- 5.2 On the 31 pin end of the EC100 adapter, pull back plastic cover to expose wire. Locate and cut the dark blue wire, the wire is going to the 16th pin on the adapter. Pins are numbered on the back side of the plug. Tape both ends of the cut wire to prevent an electrical short. Replace protective covering and secure.

Figure 5.1



Figure 5.2



6. 31 Pin Electrical Heads

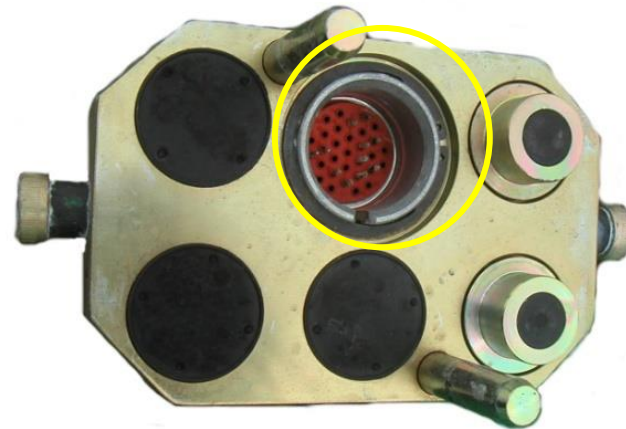
Refer to Figure (s) 6.1 & 6.2

- 6.1 Attach Electrical Cable (LAN2520906) provided in the kit to existing 31-pin connector on head.
- 6.2 Secure (LAN2520906) in the single point block coupler (LAN166994) with provided snap ring (LAN175880).
- 6.3 Secure wiring harness and hydraulic hoses together with Velcro Straps (LAN202510) provided.

Figure 6.1



Figure 6.2



7. Mounting Storage Bracket for Single Point Coupler

Refer to Figure (s) 7.1 & 7.2

- 7.1 Position storage bracket on left side of feeder house opening on header. Allow for adequate hose and electrical length for the multi-coupler.
- 7.2 Drill the four holes using a 3/8" drill bit for the storage bracket (LAN204828S) and mount the bracket to the head using the provided carriage bolts (LAN18A) and nuts (LAN3718).
- 7.3 Place the multi-coupler into the storage bracket.
- 7.4 Place hydraulic caps onto the coupler fittings.

Figure 7.1

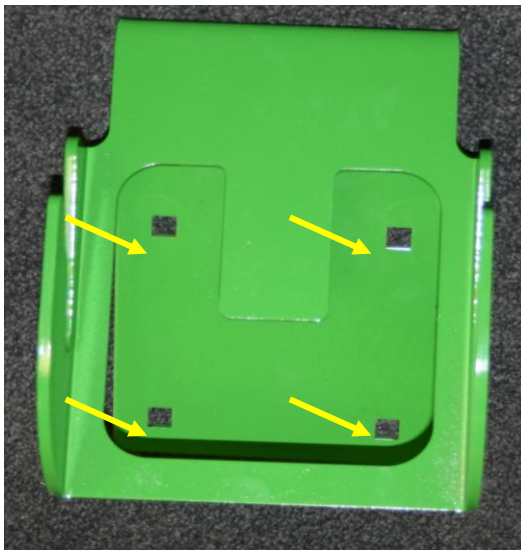
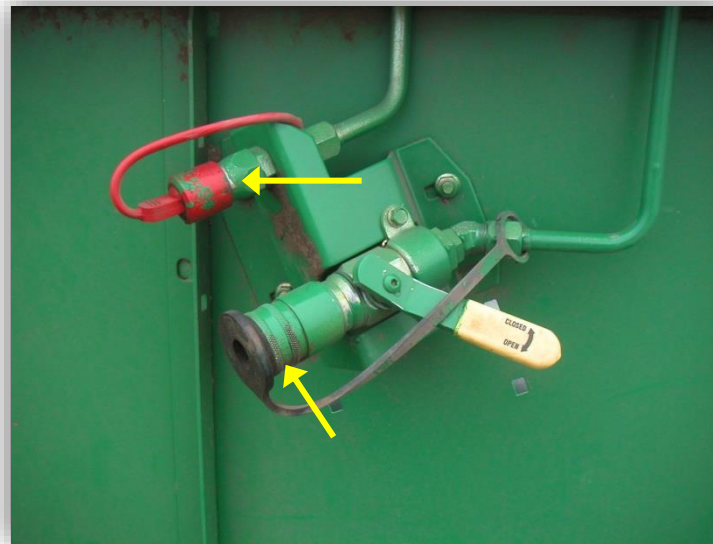


Figure 7.2



For further technical information you may contact Lankota Inc: 866-526-8682