

LANSS612R12FH

Installation Instructions

Lankota GENERATION II Stalk Stomper® **Hydraulic Mounting Kit** for JD® 612 & 712 Series Folding Corn Heads
12-Row Coverage

LANKOTA®

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

Numerical Parts List

Part Numbers	Description	Quantity
LANSS7B01	Tool Bar Mount - Inner Wing	2
LANSS7B02	Tool Bar Mount - Outer Wing	1
LANSS7B02M	Tool Bar Mount - Outer Wing - Opposite	1
LANSS7B03	Cylinder Bracket - Head Side	2
LANSS7B04	Cylinder Bracket - Tool Bar Side	2
LANSS7B05	Tool Bar Rotation Bracket	4
LANSS700M	Tool Bar Mount for JD 612FC	2
LANSS700I	Inside Tool Bar Spacer	2
LANSS750FE	Tool Bar Mount for JD 612FC - Inner	2
LANSS6550	Welded Tool Bar - JD 612FC Hydraulic	2
LANSSB42GRN	42" Stalk Stomper Tool Bar	2
LANSS6532	Welded Tool Bar - Feederhouse Area	1
LANSS750CYL	Stalk Stomper Cylinder	2
LANSS759	Stalk Stomper Flip Up Mount	4
LANSS704	Bent Pin w/ Twist-Lock Cap	2
LANSS612R12FHKK	Hose Kit for 612FC Hydraulic Stalk Stompers®	1
	Hydraulic Hose	4
	#6 Male ORB to Male ORFS straight	4
	#6 Female ORFS to Male ORFS 90°	4
	#6 ORFS Male, Male, Female Tee fitting	4

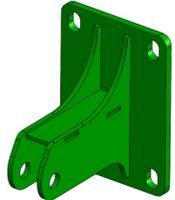
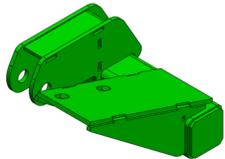
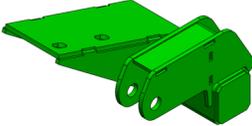
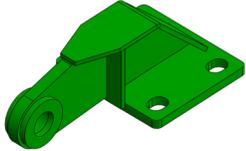
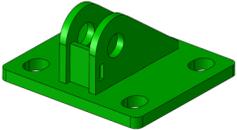
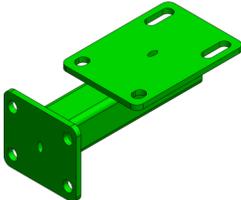
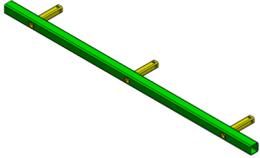
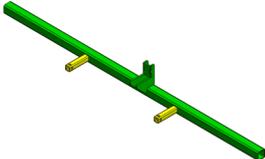
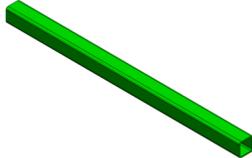
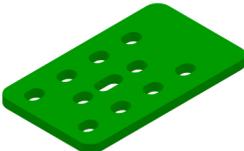
Numerical Parts List Continued

Part Numbers	Description	Quantity
LANSS612R12FHBH	Box Containing Bags of Hardware	1
LANFCJ9MC	1-3/8" Hole Saw	1
LAN079UBOLT	U-bolt 5/8"x 5.125" ID x 6.50" Long	4
LAN619UBOLT	U-bolt 5/8"x 6.188" ID x 7.88" Long	4
LAN600UBOLT	U-bolt 5/8"x 2.625" ID x 3.75" Long	4
LAN44302	Zip Ties	10
LAN690830	5/8" Serrated Flange Nut	24
LAN3722	1/2" Serrated Flange Nut	4
LAN506K	1/2"-13 x 1.50" Carriage Head Bolt	4
LANEWPG	Clevis Pin - 3/4" x 2.50"	4
LANGR1J	Clevis Pin - 1" x 3.50"	4
LANFWS58	3/4" SAE Flat Washer	4
LANFWS50	1" SAE Flat Washer	4
LANFOIDJ	Cotter Pin - 1/8" x 1.50"	4
LANFOIFO	Cotter Pin - 3/16" x 2.00"	4
LANSS600IBH	LANSS600I Bag of Hardware	2
Each Bag Includes:		
LAN600UBOLT	U-bolt 5/8"x 2.625" ID x 3.75" Length	2
LAN3722	1/2" Serrated Flange Nut	2
LAN690830	5/8" Serrated Flange Nut	4
LAN506K	1/2"-13 x 1.50" Carriage Head Bolt	2

Numerical Parts List Continued

Part Numbers	Description	Quantity
LANSS600MBH	LANSS600M Bag of Hardware	2
Each Bag Includes:		
LAN600UBOLT	U-bolt 5/8" x 2.625" ID x 3.75" Length	2
LAN079UBOLT	U-bolt 5/8" x 5.125" ID x 6.50" Length	2
LAN619UBOLT	U-bolt 5/8" x 6.188" ID x 7.88" Length	2
LAN690830	5/8" Serrated Flange Nut	8
LANSS668BH	LANSS668 Bag of Hardware	10
Each Bag Includes:		
LAN600UBOLT	U-bolt 5/8" x 2.625" ID x 3.75" Length	2
LANFNXC1	1/2"-13 Flanged Nyloc Nut	1
LANFNHVK	1/2"-13 x 2.50" Serrated Flange Bolt	1
LAN690830	5/8" Serrated Flange Nut	4

Pictorial Parts List

					
LANSS7B01 (2)	LANSS7B02 (1)	LANSS7B02M (1)	LANSS7B03 (2)	LANSS7B04 (2)	LANSS7B05 (4)
					
LANSS700M (2)	LANSS6550 (2)	LANSS6532 (1)	LANSSB42GRN (2)	LANSS700I (2)	LANSS750FE (2)
					
LANSS750CYL (2)	LANSS612R12FHKK (1)	LANSS759 (4)	LANSS704 (2)	LAN44302 (10)	LANEWPG (4)
					
LANGR1J (4)	LANFWS50 (4)	LANFWS58 (4)	LANFOIF0 (4)	LANFOIDJ (4)	

Pictorial Parts List

				
LAN600UBOLT (32)	LAN079UBOLT (8)	LAN619UBOLT (8)	LAN690830 (88)	
				
LANFCJ9MC (1)	LANFNHVK (10)	LANFNXC1 (10)	LAN506K (8)	LAN3722 (8)

Preparation

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

1. Kit Installation

Refer to Figure 1.1

1.1 Install the LANSS600I between the LANSS600FE and the bottom of the head near the feeder house opening. There should be two bolt holes in the head for mounting. A good starting point for these mounts would have the LANSS600FE pushed under the head as far as possible and the LANSS600I in the center holes. Repeat for the other side.

Note: It may be necessary to alter the mounts' locations after Step 2.

Hardware:

4 LAN3722	1/2" Serrated Flange Nut
4 LAN506K	1/2" x 1.50" Carriage Bolt

Refer to Figure 1.2

1.2 Install the feeder house tool bar (LANSS6532) to the front side of the mounts (LANSS600FE). With the mounts properly located, the welded rest near the middle of the tool bar should nearly rest against the lower frame of the head. Make sure the zinc plated bars line up directly behind the middle two rows.

Hardware:

4 LAN600UBOLT	U-Bolt - 5/8" x 2.625" ID x 3.75" Long
8 LAN690830	5/8" Serrated Flange Nut

Figure 1.1



Figure 1.2



1. Kit Installation

Refer to Figure 1.3

1.3 Install two more mounts (LANSS700M) roughly 8" outside of each of the header rest beams. Use the LANSS600MBH bags of hardware.

Refer to Figure 1.4

1.4 Install the 42" tool bars (LANSSB42GRN) between the LANSS700M and LANSS700I mounts. The feeder house side of the tool bar should be flush with the inside of the LANSS700I mount and the tool bar should run parallel to the header frame. Use the hardware remaining from the LANSS600MBH and LANSS600IBH bags.

Refer to Figure 1.5

1.5 Install the flip up mounts (LANSS759) to the backside of the bars directly behind the two rows of either side of the feederhouse with the LANSS668BH bags of hardware.

Figure 1.3



Figure 1.4



Figure 1.5



1. Kit Installation

Refer to Figure 1.6

1.6 Mark out the locations for two holes in the sheet metal of the back of the head. They should be 14.5" and 18.5" from the vertical frame beam on the wing of the head.

Refer to Figure 1.7

1.7 The holes should be as close to the top frame beam of the header as possible. Use the provided 1-3/8" hole saw (LANFCJ9MC) to cut two holes at this location. Repeat on the opposite side.



Figure 1.6



Figure 1.7

1. Kit Installation

Refer to Figure 1.8

1.8 Bolt the cylinder brackets (LANSS7B03) to the header through the holes drilled in the previous step.

Hardware:

4 LAN079UBOLT

U-Bolt - 5/8" x 5.125" ID x 6.5" Length

8 LAN690830

5/8" Serrated Flange Nut

Figure 1.8



1. Kit Installation

Refer to Figure 1.9

1.9 Using the provided 1-3/8" hole saw (LANFCJ9MC) drill holes directly above the bottom frame beam 8.75" and 13.25" from the vertical frame beam. Then bolt on both tool bar mounts (LANSS7B01). You can also pin on the tool bar rotation brackets (LANSS7B05).

Hardware:

4	LAN619UBOLT	U-Bolt - 5/8" x 6.188" ID x 7.88" Length
8	LAN690830	5/8" Serrated Flange Nut
2	LANEWPG	3/4" x 2.50 Clevis Pin
2	LANFWS58	3/4" SAE Flat Washer
2	LANF0IDJ	1/8" x 1.50" Cotter Pin

IMPORTANT!

Make sure all of the LANSS7B05 brackets are oriented as shown below!!

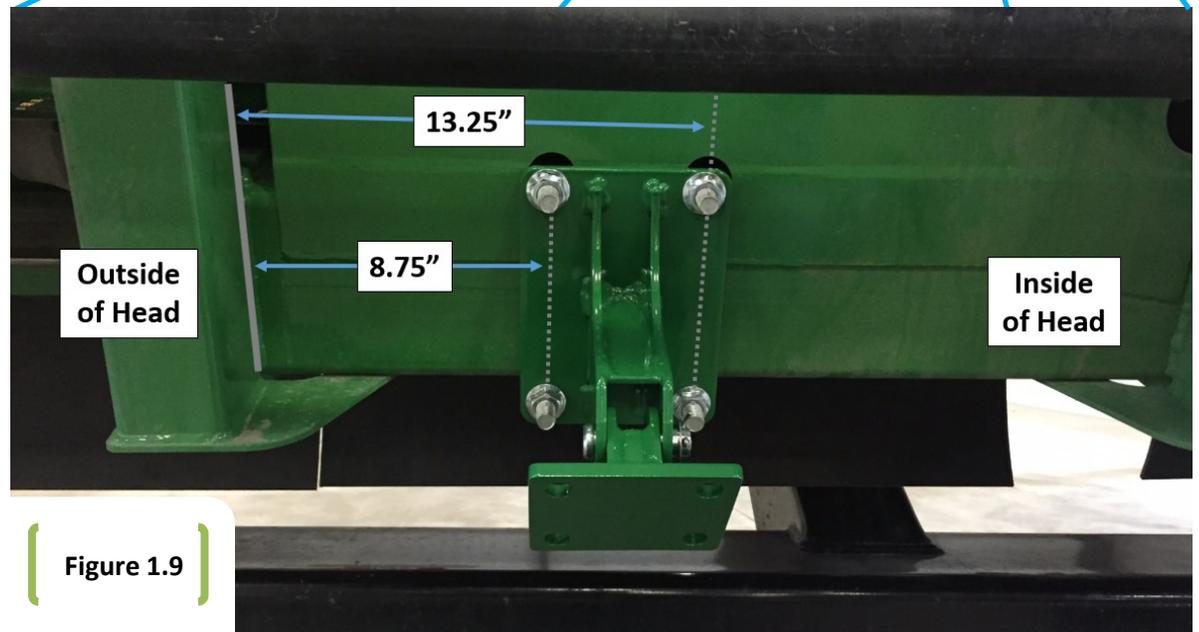
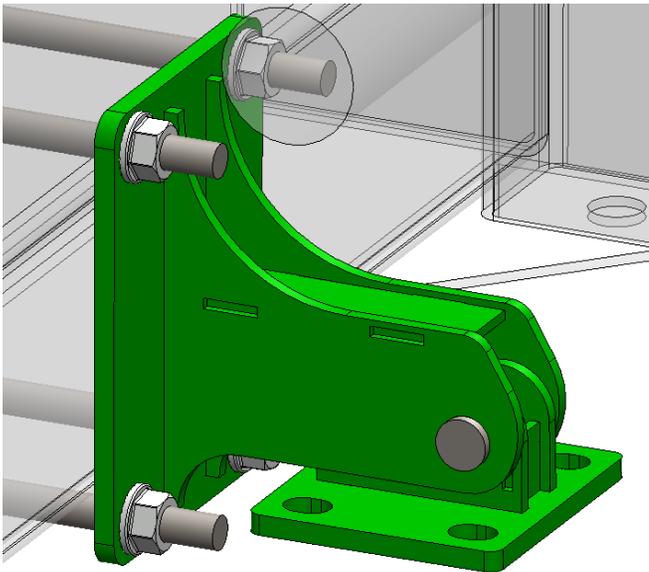


Figure 1.9

1. Kit Installation

Refer to Figure 1.10

1.10 Bolt on the outer wing toolbar mounts (LANSS7B02 & LANSS7B02M) to the bottom outer part of the header. There should be two bolt holes that the mount will line up with. One side may require you to take off two factory bolts and replace with the provided hardware. You can also pin on the tool bar rotation bracket (LANSS7B05).

Hardware:

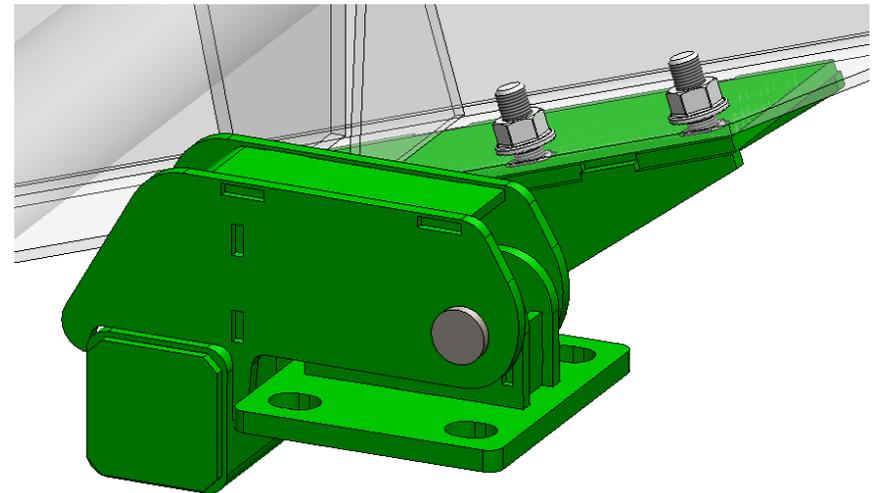
4 LAN3722	1/2" Serrated Flange Nut
4 LAN506K	1/2" x 1.50" Carriage Bolt
2 LANEWPG	3/4" x 2.50 Clevis Pin
2 LANFWS58	3/4" SAE Flat Washer
2 LANFOIDJ	1/8" x 1.50" Cotter Pin



Figure 1.10

IMPORTANT!

Make sure all of the LANSS7B05 brackets are oriented as shown below!!



1. Kit Installation

Refer to Figure 1.11

1.11 Bolt the welded tool bar (LANSS6550) to the tool bar pivot brackets (LANSS7B05). Use the hardware from LANSS668BH bags (the remaining nut and bolt will mount the shoes later). When installing the tool bar make sure that:

1. The tool bar is parallel with the back of the header frame
2. The zinc plated tubes line up with the header rows and face away from the header
3. The tool bar does not extend past the outer pivot bracket.

Now bolt the tool bar side cylinder bracket (LANSS7B04) to the tool bar and line it up with head side cylinder bracket (LANSS7B03). Make sure the bolt plate of the bracket is on the opposite side of the tool bar from the zinc tubes. Leave loose for the time being.

Hardware:

12 LAN600UBOLT	U-Bolt - 5/8" x 3.75" ID x 2.625" Length
24 LAN690830	5/8" Serrated Flange Nut

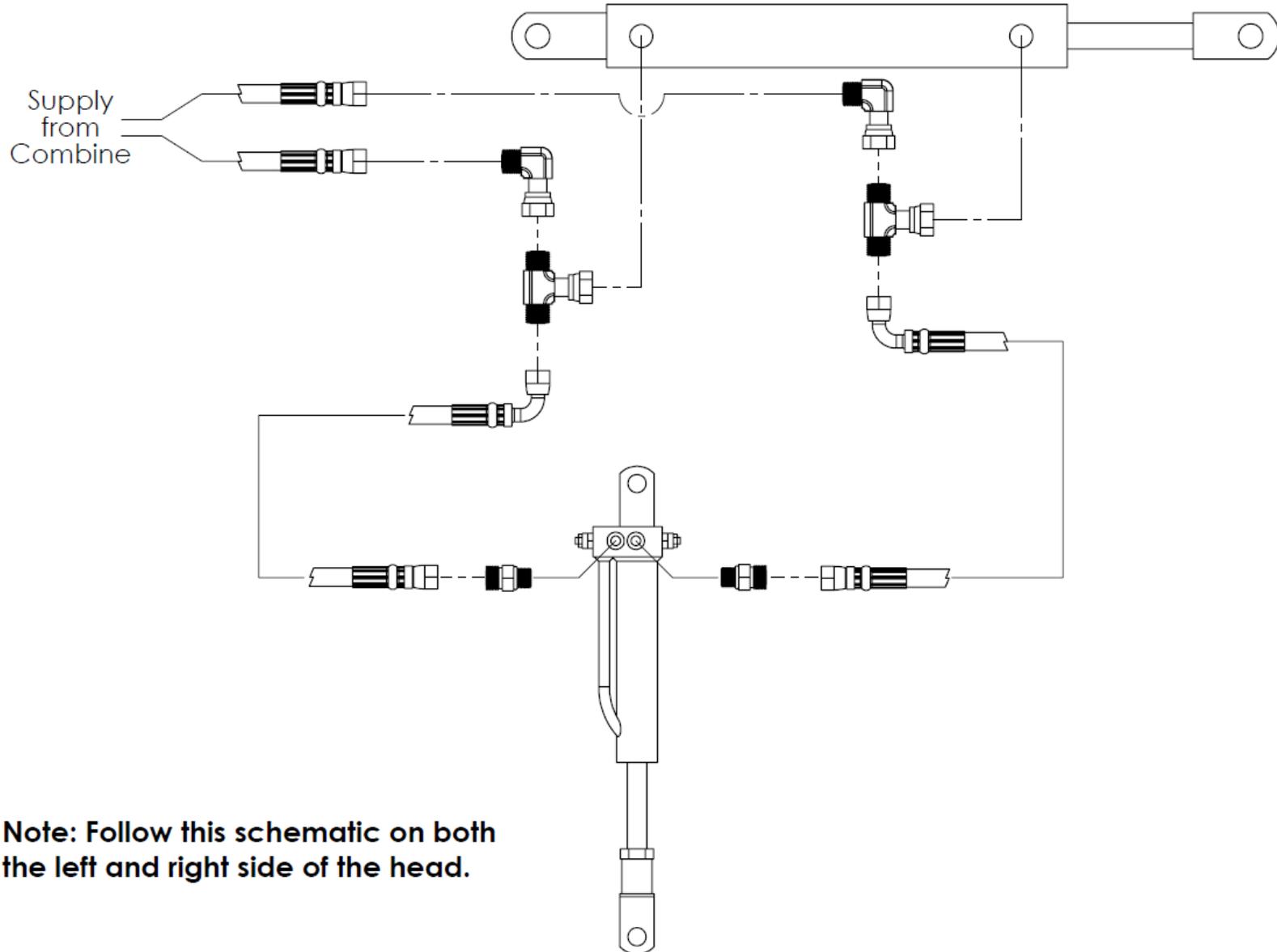
Note: On 712 Series heads, the LANSS6550 bar on the left side may need to be cut off on the outer end to allow the bar to slide further out and put the shoe mounts in closer alignment with the rows. Caution! Cutting off too much could result in the outer shoe colliding with the housing indicated by the arrow.



Figure 1.11

Hydraulic Schematic

612F & 712F Hydraulic Schematic



Note: Follow this schematic on both the left and right side of the head.

2. Mounting the Hydraulics



Figure 2.1

Refer to Figures 2.1 & 2.2

2.1 Pin the hydraulic cylinders to the head side cylinder bracket (LANSS7B03) with the rod end facing down. Now pin the rod end to the tool bar side cylinder bracket (LANSS7B04). Make sure the ports on the cylinders face toward the center of the header. Move the lower bracket on the toolbar until the cylinder is straight up and down. Now tighten down the cylinder brackets (LANSS7B03 & LANSS7B04).

Hardware:

4	LANGR1J	1" x 3.50 Clevis Pin
4	LANFWS50	1" SAE Flat Washer
4	LANFOIFO	3/16" x 2.00" Cotter Pin

2.2 Install two straight #6 male ORB to male ORFS fittings to each stalk stomper cylinder port (LANSS750CYL) and connect the straight end of the provided hoses to these fittings.

Figure 2.2



2. Mounting the Hydraulics

Refer to Figure 2.3

- 2.3** Remove the hydraulic hoses from the header folding cylinders located on top of the header. Attach the provided tee fittings directly to both ends of these cylinders and connect the #6 90 degree female ORFS to male ORFS fitting to one side of the tee.

Figure 2.3



2. Mounting the Hydraulics

Refer to Figures 2.3 & 2.4

2.4 Re-connect the factory hoses to the 90 degree fittings from the previous step (BE SURE TO RE-CONNECT THE FACTORY HOSES TO THE SAME SIDE OF THE CYLINDER THEY CAME FROM). Attach the 90 degree end of the provided hose to the other side of the tee fitting according to the Hydraulic Schematic shown earlier.

Note: Be aware of how the head will fold when routing the hoses between the cylinders. It is good practice to have someone watching the hoses the first time folding the head to ensure the hoses do not pinch or kink.

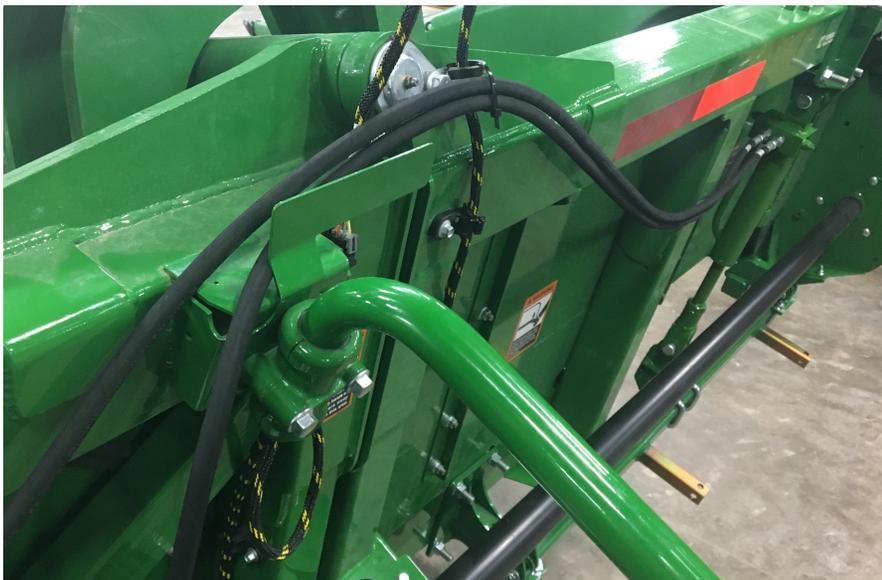
Figure 2.4



2. Mounting the Hydraulics

Refer to Figures

2.5 Route the hoses as shown and secure to the header with the provided zip ties.



3. Mount Shoes

Refer to Figure

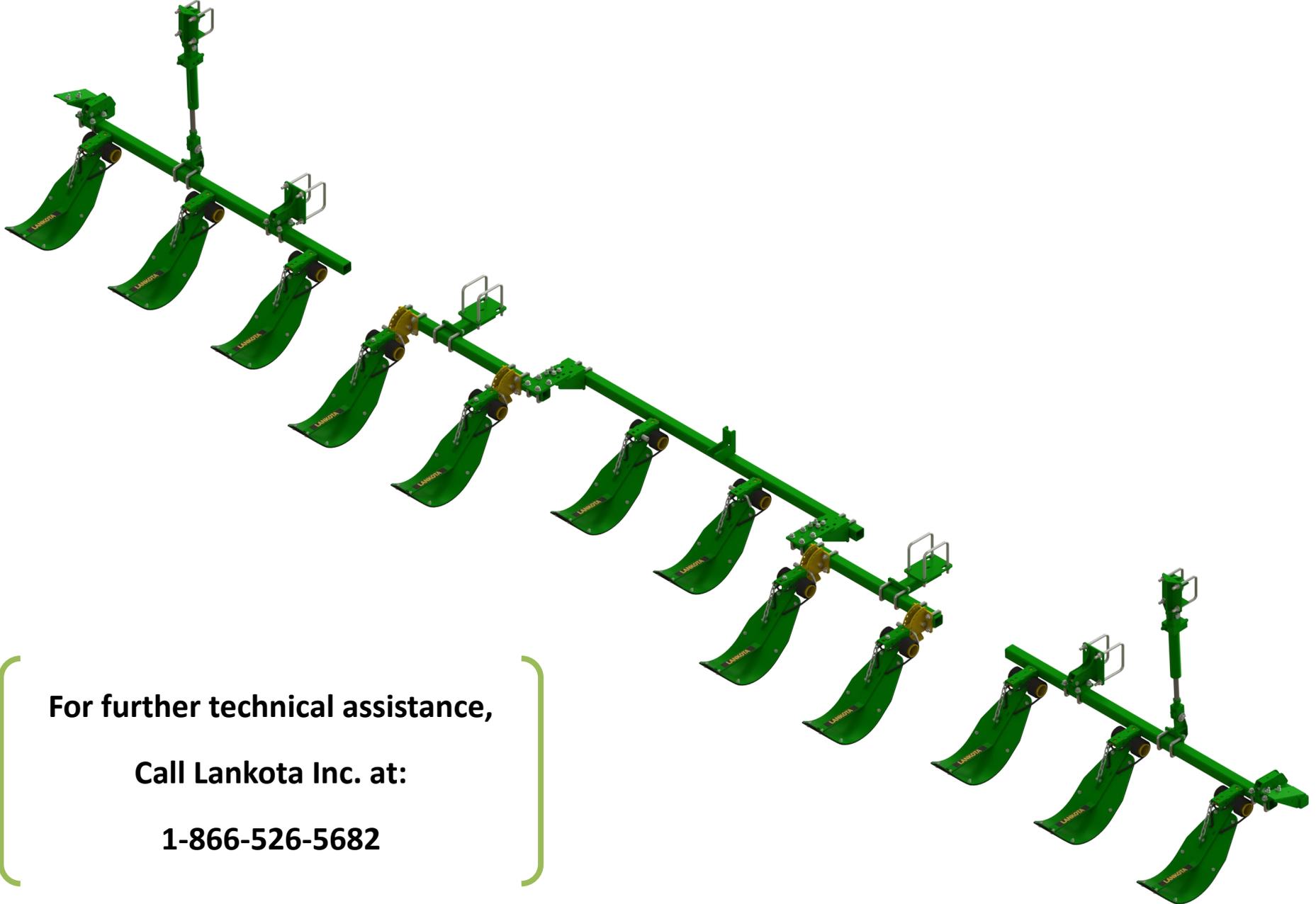
- 3.1 Attach the shoes to the mounts and welded toolbars with the 1/2" x 2.5" flange bolts (LANFNHVK) and 1/2" flange nyloc nuts (LANFNXC1) found in the LANSS668BH's.
- 3.2 Attach the center 2 shoes to the bar under the feederhouse with the provided 1/2" twist-lock pins (LANSS704).



Stalk Stomper Disclaimer

The most effective use of the Lankota Stalk Stomper® is achieved by adjusting the stomper pad so that when the corn head is at its normal cutting height, the pad of the shoe is 1" above the ground. Over compression of the spring can shorten the life of the stomper spring, increase wear on the poly liner, and may result in undue damage NOT covered by Lankota's Limited Warranty.

Complete Kit



For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

LANSSFHV8

Installation Instructions

Folding Head Isolating Hydraulic Valve Kit for Lankota Stalk Stomper Kits

LANKOTA®

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

Numerical Parts List

Part Numbers	Description	Qty
LAN6407-6-6	Hyd. Adapter, #6 MSAE O-Ring to #6 MSAE O-Ring, With Nut	2
LANBVC2-10-06S	Two Way Hyd. Shut Off Valve, #6 SAE O-Ring	2

Pictorial Parts List



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. If the Stalk Stomper kit has been installed and folded already; unfold the header and shoes.

Kit Installation

Refer to Figures 1 & 2

1. Crack the hydraulic lines on the cylinders.
Be careful! High pressure oil may spray out.
2. Remove both hoses and the left fitting.



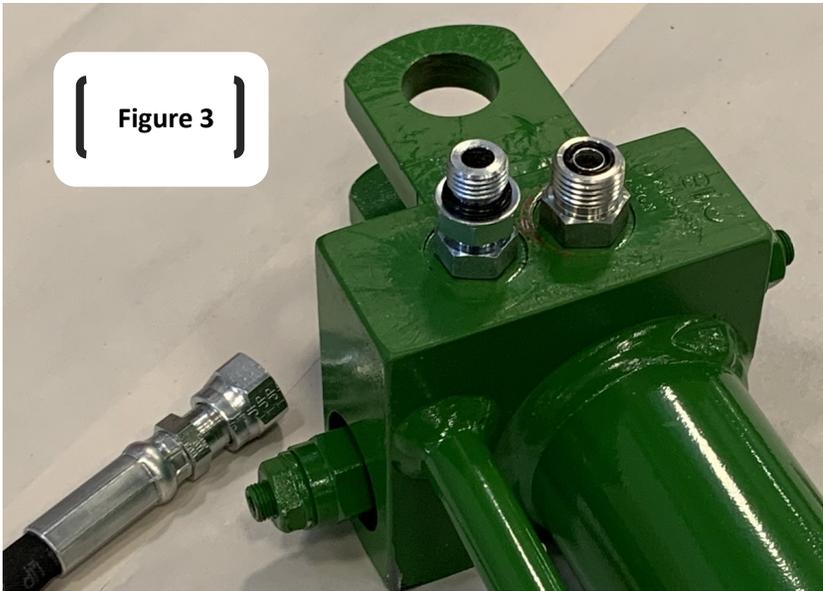
Figure 1



Figure 2

Kit Installation

Figure 3



Refer to Figures 3—5

3. Install the supplied fitting into the open cylinder orifice and tighten. (The end with the solid hex goes in the cylinder, the side with nut and washer faces out.)
4. Screw the valve onto the new fitting. Orient it so the handle is easily accessible. Tighten the nut on the fitting, locking the valve.
5. Install the previously removed fitting (from the cylinder) in the valve and tighten.
6. Reconnect the hoses to the ports they came from.
7. Repeat on other side of header.

Figure 4

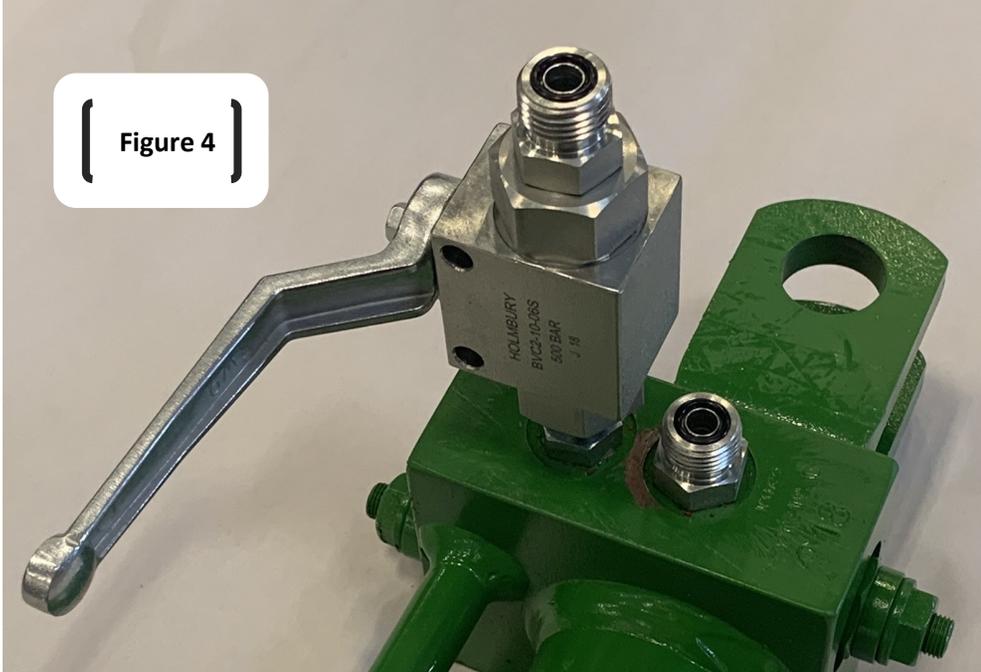
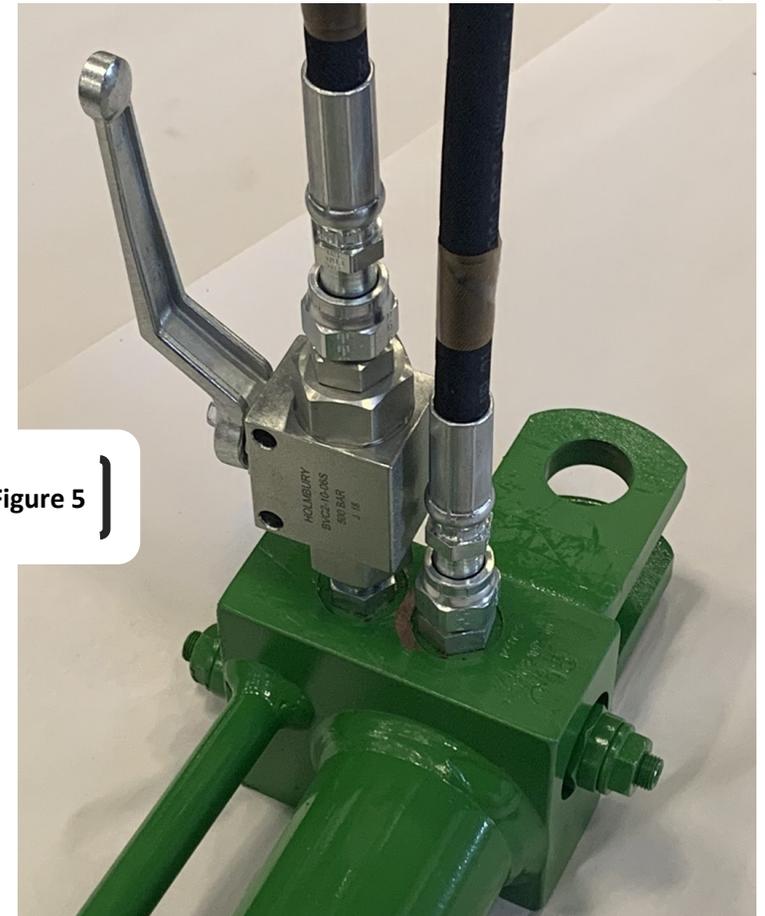


Figure 5



Kit Operation

Refer to Figures 6 & 7

To put your header on a cart/trailer, you will need to fold up the shoes.

8. With the header completely unfolded, the shoes down and the valve in the OPEN position, begin folding the header.
9. When the shoes are completely folded, exit the combine and turn the valves to CLOSED.
10. Unfold the header completely.

To unfold the shoes after removing from the cart/trailer:

11. Turn the valves to OPEN.
12. Unfold the header and the shoes will unfold.

For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

