

LANTH24564S

Installation Instructions

8 Foot Telescoping and Swiveling Combine Header Trailer Hitch for JD® 70 & “S” Series Combines

LANKOTA®

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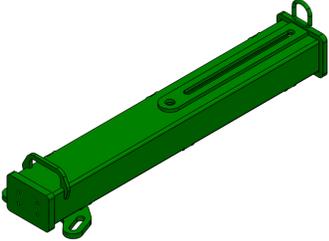
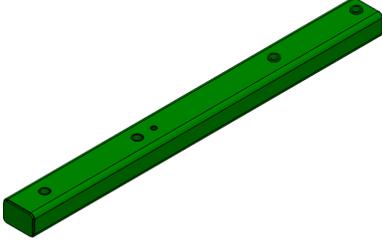
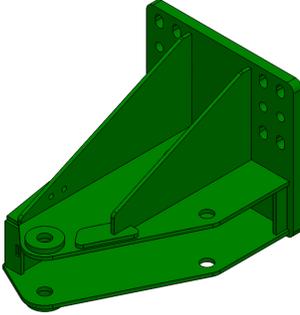
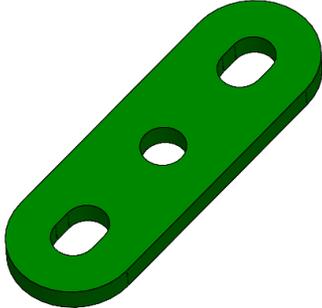
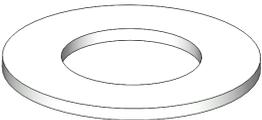
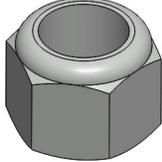
Numerical Parts List

Part Numbers	Description	Qty
LANTH2138703	Swivel Tube Weldment—Outer	1
LANTH2138704	Swivel Tube Weldment—Inner	1
LANTH1264W	Axle Base Weldment	1
LANTH402	Hitch Spacer, 2020+	2
LANTH24564SBH	Box of Hardware	1
LAN20180	M20 x 190mm, Grade 10.9 Hex Bolt	4
LANFM6QF	M20 x 200mm Grade 10.9 Hex Bolt	2
LANFH599K	M20 Flange Center Lock Nut	6
LANFHGCF9	M20 Extra Thick Flat Washer	6
LANF0EM6	1-3/8" SAE Flat Washer	1
LANHH80200	1-1/4" Lockease Hitch Pin	2
LANHW8223	1-1/4" x 7-3/4" Pivot Pin	1
LAN2138711	Tube Slide Stop Bushing	2
LANFB526	1/2"-13 X 6-1/2", Grade 5 Hex Bolt	1
LAN1137030	1/2"-13 Nylon Lock Nut	1
LANF0I8B	1/4" x 2.5" Slotted Spring Pin	2

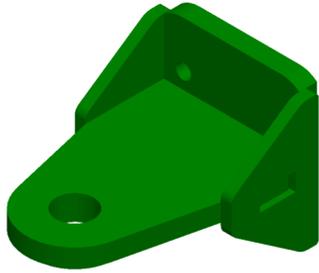
Optional Parts List

Part Numbers	Description	Qty
LANTH1451W	Bolt-on Clevis Hitch Weldment	1
LANF2II7	1/2" x 2" Gr 8 Hex Bolt	4
REDWL55	1/2" Lock Washer	4
LANFWS55	1/2" SAE Washer	4
or		
LAN10040	15 Ton Bolt-on Pintle Hitch Kit	1
LANFC506	1/2" x 1.5" Gr 8 Hex Bolt	4

Pictorial Parts List

				
LANTH2138703 (1)	LANTH2138704 (1)	LANTH1264W (1)	LANTH402 (2)	LANFH599K (6)
				
LAN20180 (4)	LANFM6QF (2)	LANFHGCF9 (6)	LANF0EM6 (1)	LANHH80200 (2)
				
LANHW8223 (1)	LAN2138711 (2)	LANFB526 (1)	LAN1137030 (1)	LANF0I8B (2)

Optional Pictorial Parts List



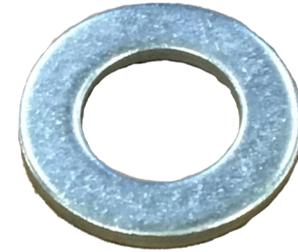
LANTH1451W (1)



LANF2II7 (4)



REDWL55 (4)



LANFWS55 (4)

(OR)



LAN10040 (1)



LANF506 (4)

Preparation

1. Park combine on hard, level surface.
2. Steer the rear wheels to the left and raise the straw spreader to provide more space for installing this hitch.
3. Set the parking brake on the combine.
4. Turn off the combine engine and remove the key.

Kit Installation

Refer to Figure 1

1. Using a sufficient tonnage bottle jack and wood blocks, position the jack under the left hand designated jacking location under the rear axle and raise until the wheel can be rotated.
2. Remove the three factory axle bolts and nuts. The other two factory bolts located near the end of the axle frame should remain in place as shown.

Figure 1



Kit Installation

Refer to Figure 2

Note: To aid in ease of installation, it would be helpful to use the long pallet the hitch was shipped on to raise and hold the Axle Base Weldment (LANTH1264W) in position.

3. Raise Axle Base Weldment (LANTH1264W) into place and align holes in the hitch mounting plate with six holes in the axle frame. It may be necessary to use a line-up pry bar and/or manipulate the bottle jack up/down to line up all of the axle holes.



Figure 2

Refer to Figure 3

4. Install four M20 x 190mm bolts (LAN20180) in the lower holes and two M20 X 200mm bolts (LANFM6QF) in the top holes as shown in Figure 3. Insert the bolts through from the rear of the axle frontward using one M20 extra thick flat washer (LANFHGCF9) under each bolt head. Install one M20 flange center lock nut (LANFH599K) per bolt on the other side. Tighten all hardware.

Special Notes:

- 4.1 *On Rear Wheel Drive (RWD) models, it will be necessary to install the two upper and two lower bolts from the front of the axle rearward to allow clearance for the hydraulic shield covers to be re-installed. Re-use the three factory flange head nuts to secure the covers in place.*
- 4.2 *On non-RWD models with Auto-Trac (steering angle sensor) wiring harness toward the rear wheel, install all supplied hardware as instructed in step 4. Re-use the three factory flange head nuts to secure the wiring harness shield covers in place.*
- 4.3 *For MY2020 or newer, it may be necessary to use the included spacers (LANTH402) to clear the bottom of the axle.*



Figure 3

Kit Installation

Refer to Figures 4 through 6

5. Pre-install one slotted spring pin (LANF018B) through one end of the 1-1/4" pivot pin (LANHW8223).
6. Install the Inner Swivel Tube Weldment (LAN2138704) into the Hitch Mount (LANTH1264W) with a 1-3/8" Flat Washer (LANF0EM6) installed on the bottom side of the tube. The raised lips of the tube bushings should be facing upward. Insert the pivot pin through the hitch mount and inner swivel tube weldment from the top.
7. Install the second slotted spring pin through the other end of the pivot pin to retain it in place.

Figure 4



Figure 5



Figure 6



Kit Installation

Refer to Figures 7 & 8

8. Slide the Outer Swivel Tube Weldment (LAN2138703) over the Inner Swivel Tube Weldment (LAN2138704) and secure with the 1-1/4" Lockcase Pin (LANHH80200). The hitch can then be locked in the tow or folded position with a second 1-1/4" Lockcase Pin.

Figure 7



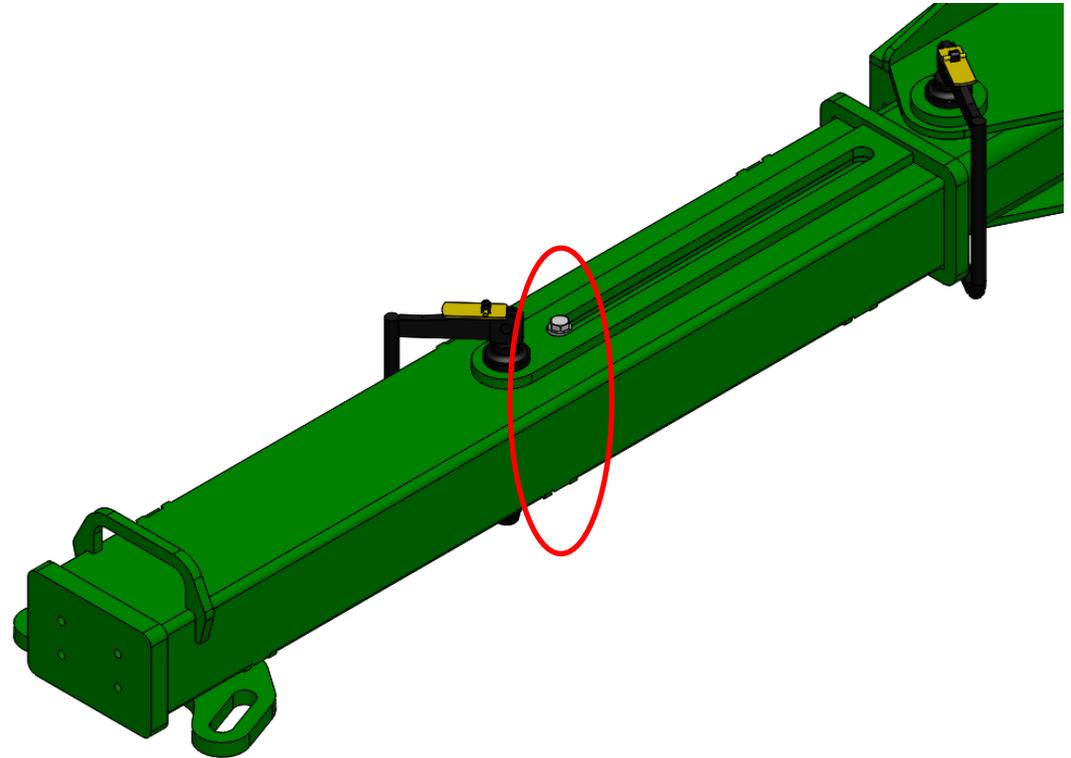
Figure 8



Kit Installation

Refer to Figure 9

9. Assemble the slide stop using the provided Tube Slide Stop Bushings (LAN2138711), 1/2" x 6-1/2" Hex Bolt (LANFB526), and 1/2" Nylon Lock Nut (LAN1137030).



For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

Figure 9

Kit Installation

Note: If the tube weldment (LANTH1714A) does not ship with the appropriate hitch bolted on, follow these steps.

Refer to Figure 10

10. Ensure the threaded holes are clear of any debris by blowing them out with compressed air.

Refer to Figure 11 (For Clevis Hitch)

11. Bolt on the clevis hitch weldment (LANTH1451W) with the provided 1/2" x 2" bolts, lock washers and flat washers.

Refer to Figure 12 (For Pintle Hitch)

12. Bolt on the pintle hitch with the hardware included in the kit and the 1/2" x 1.5" Bolts.



Figure 10

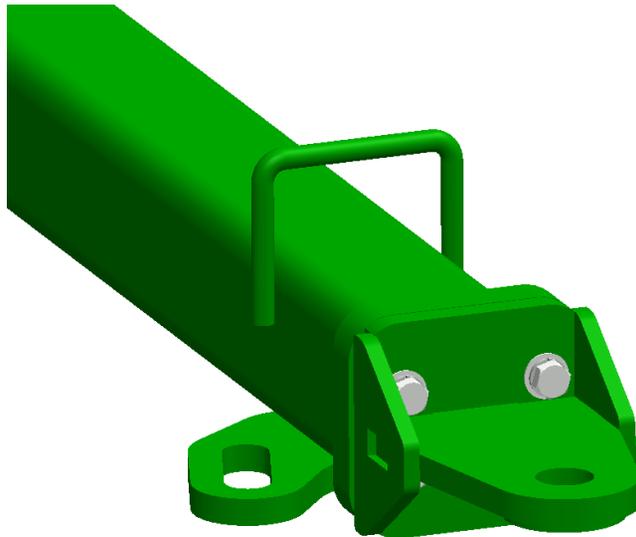


Figure 11

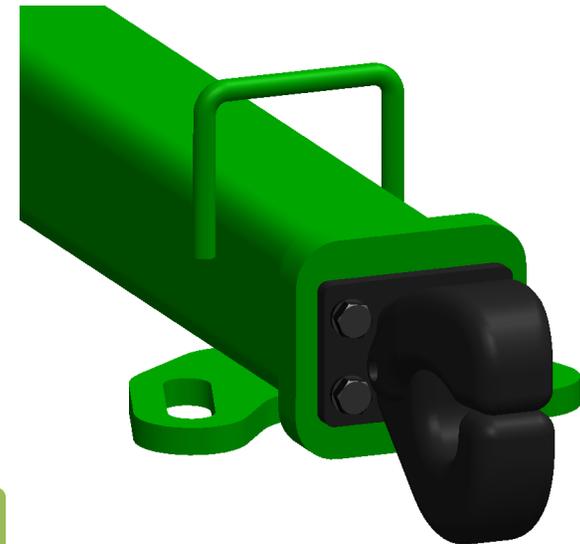


Figure 12

LANTH24564S User's Manual

This TH24564S hitch offers two positions: Extended Tow Position and Storage Position. Use the 1-1/4" Lockase pin to secure the swivel tube weldment in the desired position.

- ◆ The tow position can be used for offset towing to improve trailer visibility to the operator. This position can also be used to prevent the trailer from going too far into a ditch under certain road conditions.
- ◆ The storage position can be used to provide improved ground clearance while operating combine in the field, ease of loading combine onto a trailer or when dropping a windrow for baling.

Left Hand Tow Position



Storage Position

