

# **LANTC24614**

## **Installation Instructions**

**Lankota Tow Cable Kit for CNH Combines**

**CIH - X088, X010, X120, X130, X140, X150, X160, X230, X240, X250 & X 260 Series**

**New Holland - Parallel Model years to CIH (CRX0X0 & CRX.X0)**

# **LANKOTA®**




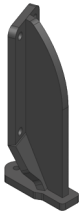



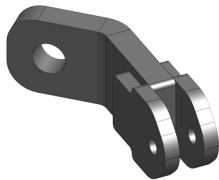













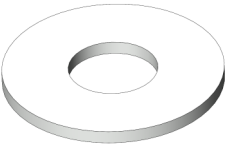

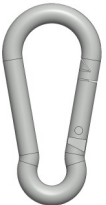
**270 West Park Avenue  
Huron, SD 57350  
866-526-5682**

# Numerical Parts List

Part Numbers	Description	Qty
LANTC160TR	Tow Cable Assembly	1
LANTC162	Shackle Bushing	4
LANTC208	1 1/4" Shackle	2
LANTC281C	Cable Mounting Bracket (Passenger Side)	1
LANTC281CM	Cable Mounting Bracket (Drivers Side)	1
LANTC284	1/4" Cable Stow Chain	1
LANTC285	1/2" Rear Cable Support Chain	1
LANTC286	Chain Clevis	1
LANTC288C	Mounting Bracket Plate	2
LANTC289	Mounting Bracket Spacer	2
<b>LANTC19264BH</b>	<b>Bag of Hardware</b>	<b>1</b>
LAN18000	3/8" Flat Washer	4
LANFNB8	3/4" Hex Nut	8
REDWL58	3/4" Lock Washer	8
LANFB824	3/4" x 6" Gr. 5 Hex Bolt	2
LANFE571	3/4" x 7" Gr. 8 Hex Bolt	2
LANFWS58	3/4" SAE Washer	25
REDODTT	3/8" Top Lock Nut	2
REDB306	3/8" x 1 1/2" Gr. 5 Hex Bolt	1
REDB308	3/8" x 2" Gr. 5 Hex Bolt	1
REDKRJG	3/4" Top Lock Nut	4
REDWU58	3/4" Flat Washer	4
LANFX3KX	3/4" x 9.5" Gr. 5 Hex Bolt	8
*LANFX3K1	3/4" x 11" Gr. 5 Hex Bolt	8
LANTC288S	Tow Cable Mount Bolt Spacer	8
LANFHG3	5/16" Carabiner	1

\* For combines with a 8" wide front axle (CIH 7088, 7130, etc.), use parts LANTC289 & LANFX3K1 in place of bolts LANFX3KX.

# Pictorial Parts List

					
LANTC160TR (1)	LANTC162 (4)	LANTC208 (2)	LANTC281C (1)	LANTC281CM (1)	LANTC284 (1)
					
LANTC285 (1)	LANTC286 (1)	LANTC288C (2)	LANTC289 (2)	LAN18000 (3)	LANFNBFB8 (8)
					
REDWL58 (8)	LANFB824 (2)	LANFE571 (2)	LANTC288S (8)	LANFWS58 (25)	REDODTT (2)
					
REDB306 (1)	REDB308 (1)	REDKRJG (4)	REDWU58 (4)	LANFX3KX & LANFX3K1 (8)	LANFHG3 (1)

# Installation

## Refer to Figures 1 & 2.

1. Prep the cable mounting brackets LANTC281C (passenger side) & LANTC281CM (driver side) with 3/4" SAE washers (LANFWS58) and 3/4" hex bolts (see note below for bolt length details) in the top two holes. The bottom foot plates (shown in Figure 1) should be pointing toward the center, rear of the combine.

**NOTE:** For combines with an 8" wide front axle, use the 3/4" x 11" hex bolts (LANFX3K1) and the spacer plate (LANTC289) as shown in Figure 2. For all other combines with a 6" wide front axle, use the 3/4" x 9.5" hex bolts (LANFX3KX).



Figure 1

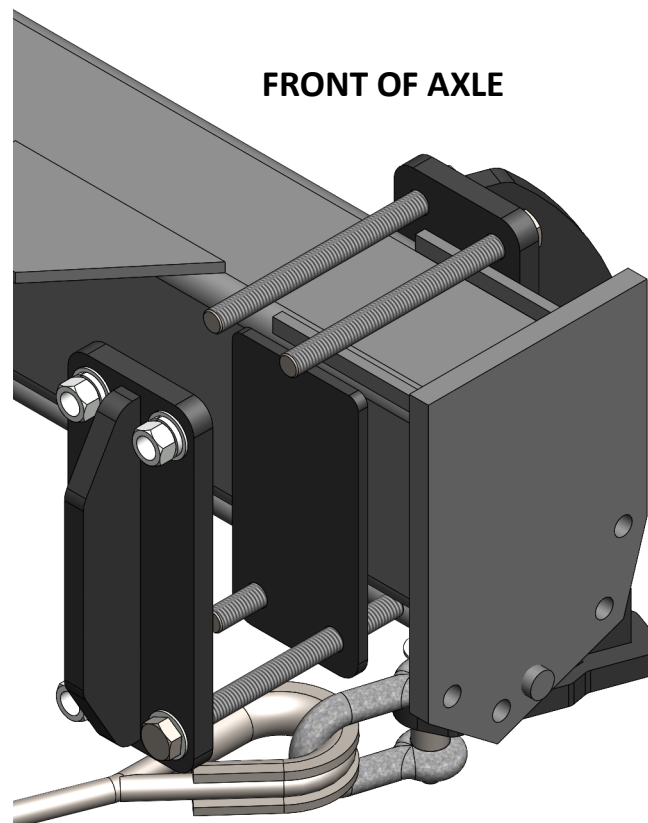


Figure 2



# Installation

Refer to Figures 3 & 4.

2. Clamp the mounting brackets against the front of the combine axle by bolting through the mounting bracket plate (LANTC288C). Hand tighten a 3/4" SAE washer (LANFWS58), 3/4" lock washer (REDWL58), and 1" hex nut (LANFNB8) on the top two bolts. The parts will now hang and the bottom two bolts can be placed and hand tightened.

**NOTE:** The mounting brackets can be installed on the outer part of the axle on some combines, but will need to be installed inside of the feederhouse cylinders on other combines (Figures 4A & 4B)

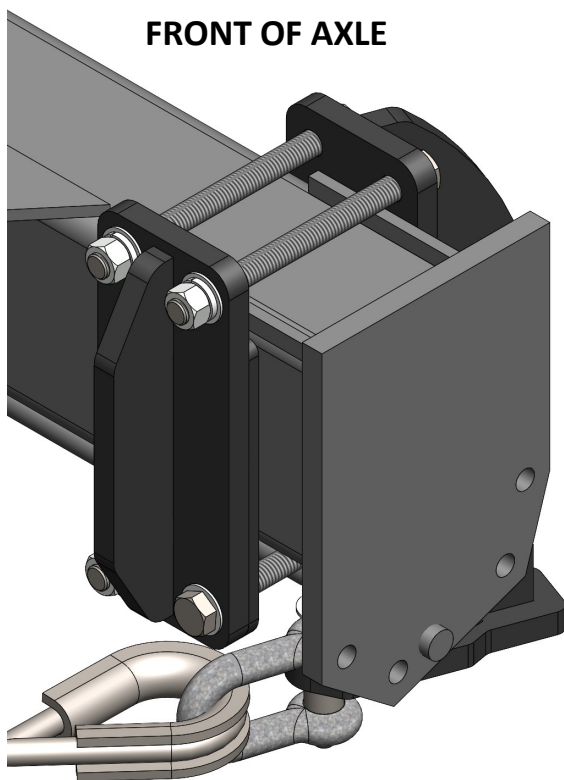


Figure 3



Figure 4A



Figure 4B



# Installation

Refer to Figures 5 & 6.

3. Note: The lower outside bolt will need to be installed the opposite direction than the other bolts to clear the mounting bracket gusset (show with a red arrow below in Figure 3). With the bolts hand tightened, check that the mounting brackets (LANTC281C & LANTC281CM) and the mounting plates (LANTC288C) are flat against the axle.
4. Begin working around the four bolt pattern, tightening in small increments, until all four bolts are tight. Repeat this process on the other side of the combine.



Figure 5



Figure 6

# Installation

Refer to Figure 7 & 8.

5. Install shackle (LANTC208) on the cable ends of both the long legs of the cable assembly (LANTC160TR).
6. Attach the cable ends to the mounting brackets (LANTC281C & LANTC281CM) with the shackles, bushings (LANTC162), 3/4" x 6" Gr. 5 bolts (LANFB824), washers (REDWU58), and top lock nuts (REDKRJG).

**NOTE:** Do not over-tighten. The shackle needs to be able to rotate freely. If the shackle cannot be rotated by hand, loosen the nut slightly until it can.



Figure 7



Figure 8



# Installation

**Refer to Figure 9 & 10.**

7. On the front of the rear axle on the driver's side, attach the 1/2" chain (LANTC285) through the outer most available open hole with a 3/4" x 7" hex bolt (LANFE571), 3/4" SAE washers (LANFWS58), and a 3/4" top lock nut (REDKRJG). Use five 3/4" SAE washers under the chain to space it off of the axle.
8. Using a forklift, or other suitable pulling device, pull from the large eye of the cable assembly to take all slack out of the cable assembly.
9. With cables tensioned, route the 1/2" chain through the red D-ring to the passenger side.



**Figure 9**



**Figure 10**



# Installation

## Refer to Figure 11 & 12.

10. On the passenger front side of the rear axle, attach the chain clevis (LANTC286) to the outer most available hole in the axle with a 3/4" x 7" hex bolt (LANFE571), 3/4" SAE washers (LANFWS58), and a 3/4" top lock nut (REDKRJG).
11. With the cable still drawn tight, pull the 1/2" chain toward the chain clevis and mark the chain link which could be attached to the clevis.
12. Using a cut off grinder, etc., cut the next chain link longer than the previously marked chain link.
13. Attach the 1/2" chain to the chain clevis with a 3/8" x 2" Gr. 5 bolt (REDB308), washers (LAN18000) and a top lock nut (RED0DTT).

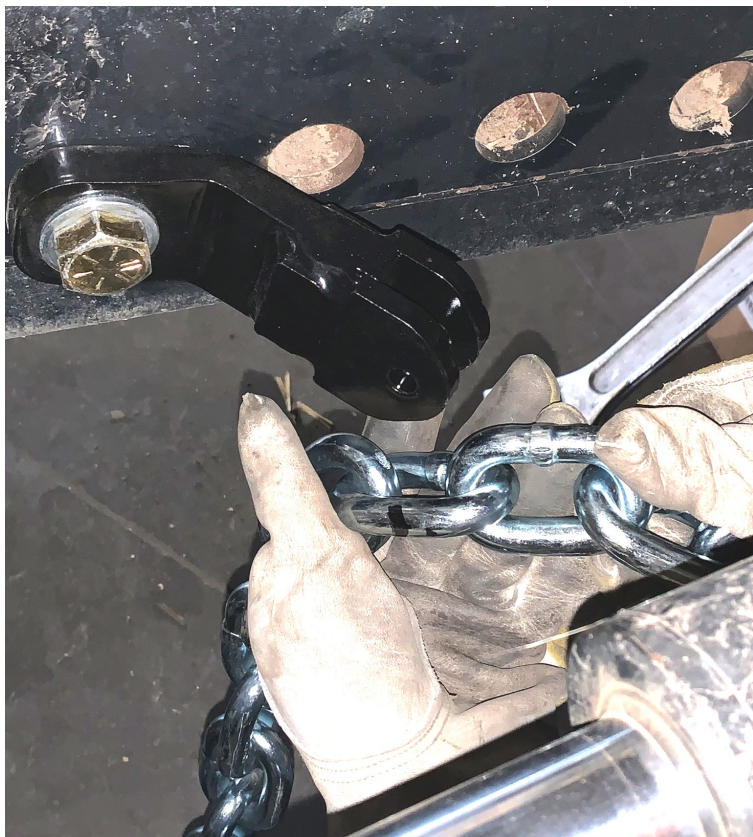


Figure 11



Figure 12



# Installation

**Refer to Figure 13 & 14.**

14. Loop the 1/4" chain (LANTC284) through the tie down point on either side of the combine above the rear axle and bolt together with a 3/8" x 1 1/2" hex bolt (REDB306), 3/8" washers (LAN18000), and 3/8" top lock nut (RED0DTT).
15. Attach the 5/16" carabiner to the 1/4" chain, loop it through the cable eye and reattach it back to the chain for cable storage.



**Figure 13**



**Figure 14**





For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

