

# **LANCIH1910**

## **Installation Instructions**

**Telescoping and Swiveling Combine Header Trailer Hitch for**

**CIH® X120, X230 & X240 Combines**

# **LANKOTA®**

**270 West Park Avenue**

**Huron, SD 57350**

**866-526-5682**

# Numerical Parts List

<b><i>Part Numbers</i></b>	<b><i>Description</i></b>	<b><i>Quantity</i></b>
LANTH1128W	Swivel Tube Weldment	1
LANTH1251W	Axle Base Weldment	1
LANTH1641APH	Telescope & Latch Assembly	1
LANFOI8B	1/4" x 2.50" Roll Pin	2
LANFB036	1"-8 x 9.00" G5 Bolt	1
LANFH1N	1"-8 Center Lock Nut	1
LANHH80200	1-1/4" Lockease® Hitch Pin	1
LANHW8223	1-1/4" x 7.75" Pivot Pin	1
LANFH599K	M20 Flange Head Center Lock Nut	5
RED21192	Bushing	2

<b><u>Part Numbers</u></b>	<b><u>Description</u></b>	<b><u>Quantity</u></b>
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These items are **PRE-ASSEMBLED** as part of Telescope & Latch Assembly (LANTH1641APH) prior to shipment from Lankota’s warehouse. You will not use these items in the following steps.

LANTH1312PH	Telescope Tube Weldment	1
LANTH1693W	Latch Weldment	1
LANTH1408	Torsion Spring	1
LANFB832	3/4"-10 x 8.00" G5 Bolt	1
LANFNAC8	3/4"-10 Center Lock Nut	1
REDWS58	3/4" SAE Flat Washer	2
RED21940	7/16" x 2" Lynch Pin	1
LAN45511	1/16" Plastic Coated Cable	12 inch
LAN43401	3/32" Cable Clamp	2
LANSTICKER	LANKOTA Sticker	1
LANTHSTICKER	Hitch Warning Sticker	1

**Tools Needed For Installation:**

- 30mm wrench and socket
- 1-1/2" wrench and socket
- Impact wrench or ratchet
- Pilot pin punch
- Hammer
- Breaker-Bar
- Bottle jack
- Wood blocks

# Pictorial Parts List

 <p>LANTH1251W (1)</p>	 <p>LANTH1128W (1)</p>	 <p>LANTH1641APH (1)</p>	 <p>LANFH599K (5)</p>
 <p>LANHH80200 (1)</p>	 <p>LANHW8223 (1)</p>	 <p>LANF0I8B (2)</p>	
 <p>LANFB036 (1)</p>	 <p>LANFHNN1N (1)</p>	 <p>RED21192 (2)</p>	

# Preparation

1. To ease installation, steer the rear wheels a little to the left and raise the straw spreader to provide more space for installing this hitch.
2. Park combine on a hard, level surface. Set parking brake and turn off engine.

## 1. Install Hitch to Axle Using Existing Holes

- 1.1 Using a sufficient tonnage bottle jack and wood blocks, position the jack under the left hand designated jacking location of the rear axle and lift until the jack is supporting a small amount of weight.
- 1.2 Remove the five factory axle nuts on the left side. Continue jacking until the bolts can be easily removed.
- 1.3 Remove the extra spacer/washer from the factory bushing on the outside two bolts. Replace the bolts so that all five bolts are in adjacent holes.

**Note:** the bolts must be in the outer-left-most holes of the central axle frame (See Figure 1.1).

**Refer to Figure 1.1**

**\*Note: To ease installation, use the long pallet the hitch was shipped on to raise and hold the Axle Base Weldment (LANTH1251W) in position.**

**1.3 Raise Axle Base Weldment (LANTH1251W) into place and align holes in the hitch mounting plate with the five bolts in the axle frame.**

**1.4 Install one M20 Flange Head Center Lock Nut (LANFH599K) per bolt. Tighten all hardware (a breaker-bar may be necessary).**

**1.5 Lower combine to the ground. Remove the bottle jack and tools.**

*Figure 1.1*



*Refer to Figure 1.2*

**1.6 Install Swivel Tube Weldment (LANTH1196W) into the Axle Base Weldment (LANTH1251W) as shown in Figure 1.2. The raised lips of the tube bushings should be facing upward. Use the 1-1/4" Lockcase Pin (LANHH80200) to temporarily position and hold the tube into place.**



*Figure 1.2*



*Figure 1.3*

*Refer to Figure 1.3*

**1.7 Pre-install and center one Slotted Spring Pin (LANF018B) through one end of the 1-1/4" Pivot Pin (LANHW8223). Insert the pivot pin through the axle base weldment and swivel tube weldment from the top.**

**1.8 Install the second slotted spring pin through the other end of the pivot pin.**

Refer to Figure 1.4 & 1.5

1.9 Insert Telescoping & Latch Assembly (LANTH1641APH) partially into the Swivel Tube Weldment (LANTH1196W) as shown in Figure 1.4.

1.10 Insert 1" x 9" Bolt (LANFB036) through the slots of telescope & latch assembly and the holes of swivel tube weldment from one side with one bushing (RED21192) as shown in Figure 1.5.

1.11 Install the second Bushing (RED21192) on the other side of tube and secure with 1" Center Lock Nut (LANFNAC0). Tighten the hardware.



Figure 1.4



Figure 1.5



*Refer to Figure 1.6 & 1.7*

- 1.12 Remove the lynch pin from the telescope & latch assembly and collapse the telescope tube completely to latch-in. Re-install the lynch pin to lock the latch for secure road transportation.



*Figure 1.7*

*Figure 1.6*

# LANCIHTH1910 User's Manual

For further technical assistance, call Lankota @ 1-866-526-5682

This TH1910 hitch offers two positions: 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 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.



*Tow Position*



*Storage Position*

*Refer to Figure 1.8*

To use the telescope function of this hitch:

- Remove the lynch pin to unlock the latch. Using both hands, lift the latch handle with one hand and grab the fixed handle with the other hand. Pull the telescope tube outward as far as necessary to line up with the trailer drawbar.
- Perform all proper secure trailer connections to the hitch.
- **IMPORTANT:**  
In order for the telescope tube to close properly, the rear wheels **MUST BE PARALLEL** to the telescope tube. Otherwise the tubes may bind under load and not close properly.
- Back-up the combine **SLOWLY** until the telescope tube is fully closed and latched-in.
- Re-install the lynch pin to lock the latch for secure road transportation.



*Figure 1.8*