

# **LANSR23498**

## **Installation Instructions**

**Lankota Stalk Roller Kit for New Holland® T8 Series Tractors**

# **LANKOTA®**

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

# Numerical Parts List

Part Numbers	Description	Qty
LANSR003BLK	FWA Stalk Roller Assembly	2
LANSR005BLK	FWA Stalk Roller Mount Frame	1
LANSR006BLK	FWA Stalk Roller Wing Frame	1
LANSR007BLK	FWA Stalk Roller Wing Frame	1
LANSR008	FWA Stalk Roller Wing Pin	2
LANSR009	FWA Stalk Roller Plastic Washer	4
LANSR070	New Holland T8 Stalk Roller Mount	1
LANW250100-S	Hydraulic Cylinder for Stalk Rollers	2
LANSS704	Stalk Stomper Pin Assembly - Bent Pin	2
LANSKA-1	1" Cylinder Stroke Control	4
LANF1T2M	Hex Head Bolt—M20x60, Class 10.9	6
LANF-FW-M20	Flat Washer—M20	6
<b>LANSRJD8RHK</b>	<b>FWA CIH Stalk Roller Hose Kit</b>	<b>1</b>
-----	28" Hydraulic Hose - 3/8"	2
-----	40" Hydraulic Hose - 3/8"	2
-----	26' (312") Hydraulic Hose - 3/8"	2
-----	9/16" Male JIC to 9/16" Male ORB	2
-----	9/16" Male JIC Tee	2
-----	1/2" Female NPT Quick Coupler	2
-----	1/2" Female NPT to 1/2" Male NPT Tee	2
-----	1/2" NPT Male Coupling	2
-----	9/16" Male JIC to 1/2" Male NPT	2
-----	9/16" Male JIC to 9/16" Male ORB 90 Deg.	4



# Numerical Parts List (Continued)

Part Numbers	Description	Qty
<b>LANSRJD8RBH</b>	<b>Box of Hardware Includes:</b>	<b>1</b>
LANFC507	Hex Head Cap Screw - 1/2"-13 x 1.75", gr. 8	2
RED1F30	Top Lock Nut - 1/2"-13, gr. 5	2
LAN20180	Hex Head Cap Screw - M20-2.5 x 190mm, gr. 10.9	8
LANFRCRF	Hex Head Cap Screw - M20-2.5 x 220mm, gr. 10.9	8
LANFWS57	SAE Flat Washer - 5/8"	8
REDB712	Hex Head Cap Screw - 5/8"-11 x 3.00", gr. 5	8
REDB710	Hex Head Cap Screw - 5/8"-11 x 2.50", gr. 5	8
LAN690830	Serrated Flange Nut - 5/8"-11, gr. 5	24
LAN079UBOLT	UBOLT - 5/8"-11 x 6.50"	4
LAN19M7800	Flange Bolt - M8-1.5 x 50mm, gr. 10.9	1
LAN112567	Cover Plate	3
LAN120847	Hydraulic Hose Holder Half	6
LANF3231	Grease Zerk - 1/4"-28	4
LANFMLW0	Lock Washer - M20	8
LAN1616	Nyloc Nut - 3/16"-18, gr. 5	3
LANFCJ9MC	1-3/8" Hole Saw	1

# Pictorial Parts List

					
LANSR003BLK (2)	LANSR005BLK (1)	LANSR006BLK (1)	LANSR007BLK (1)	LANSR008 (2)	LANSR009 (4)
					
LANSR070 (1)	LANW250100-S (2)	LANSS704 (2)	LANSKA-1 (4)	LANF1T2M (6)	LANF-FW-M20 (6)
					
RED1F30 (2)	LANFMLW0 (6)	LANFC507 (2)	REDB710 (8)	LANFWS57 (8)	LAN690830 (24)
					
LAN26000 (1)	LAN1626000 (1)	LAN079UBOLT (8)	LAN18A00 (2)	LANFWS53 (2)	RED0DTT (2)

## Pictorial Parts List (Continued)

				
LAN25162 (2)	LAN44302 (10)			

## Disclaimer

This kit from LANKOTA adds 1300 lbs. to the front of a tractor. Never exceed manufacturer's specified load limit on the front of a tractor! This may mean that weights may need to be removed from the tractor to install this kit.

**WARNING:** After completing installation, be careful around the wings the first dozen or so times they are folded/unfolded. The process of purging the air from the hoses can cause the wings to jerk up and down dangerously and unexpectedly.

# 1. Installation

1. Remove the weights and/or weight bracket on the front of the tractor.

Refer to Figures 1-3

2. Bring the New Holland T8 Stalk Roller Mount (LANSR070) up to the front of the tractor frame with a lift or forklift and attach with the provided M20x60 Hex Head Bolts (LANF1T2M) and M20 Flat Washer (LANF-FW-M20).

Figure 1



Figure 2



Figure 3



# 1. Installation

## Refer to Figure 4

4. There are two sets of holes in the mount. Ideally, the top pair of bolts will be 27" to 30" off the ground when the mount frame (LANSR005) is bolted to the mount.
5. Lift the mount frame into place and secure it with the 5/8" bolts (REDB710), washers (LANFWS57) and serrated lock nuts (LAN690830). Tighten all hardware. **Make sure the washers are on the bolt head side of the plate!**



Figure 4



# 1. Installation

## Refer to Figures 5 & 6

6. Plastic washers (LANSR009) are provided to eliminate metal to metal contact between the wing frames (LANSR006BLK & LANSR007BLK) and the mount frame (LANSR005BLK). Make sure these are in place in the following step.
7. Using the pivot pins (LANSR008), attach the wing frames to the mount frame. Retain the pivot pin with the provided 1/2" bolt (LANFC507) and lock nut (RED1F30). When in the driver's seat, LANSR006BLK will be on your left, and LANSR007BLK will be on your right.
8. Install grease zerks and grease pins.

Figure 5

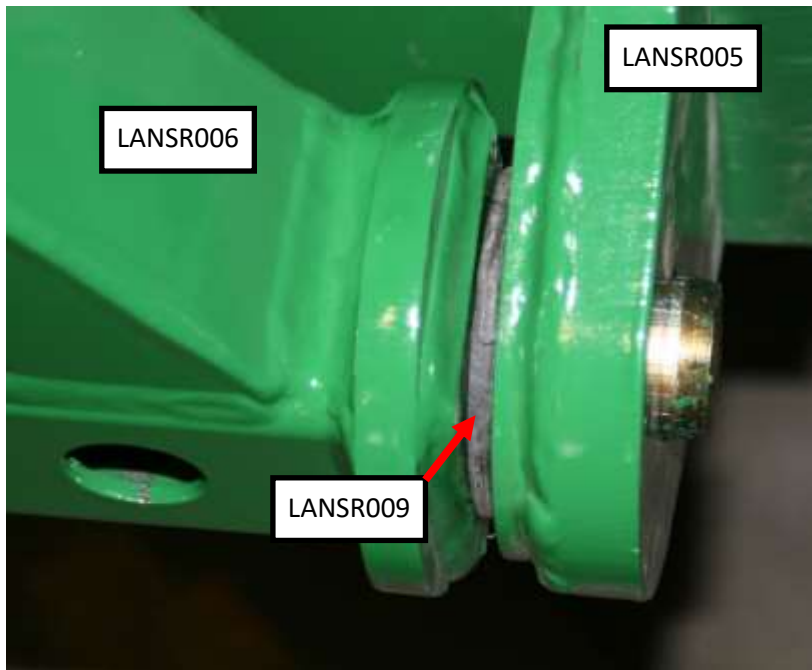


Figure 6





# 1. Installation

## Refer to Figures 7 & 8

9. Using the provided 5/8" U-bolts (LAN079UBOLT) and serrated flange nuts (LAN690830), attach the row mounts to the stalk roller wing frames (LANSR006 & LANSR007). Make sure to position the drums so they are centered over the duals.

**NOTE: The roller drum will be angled toward the back of the tractor.**

10. Install the hydraulic cylinders (LANW250100-S) with included pins. Make sure the ports are facing toward the tractor and that the rod end is connected to the wing frames (LANSR006 & LANSR007).

11. When the cylinder is completely extended, the wing frame should be parallel to the ground. There is room for some adjustment by screwing the clevis in/out of the rod.



Figure 7

Figure 8



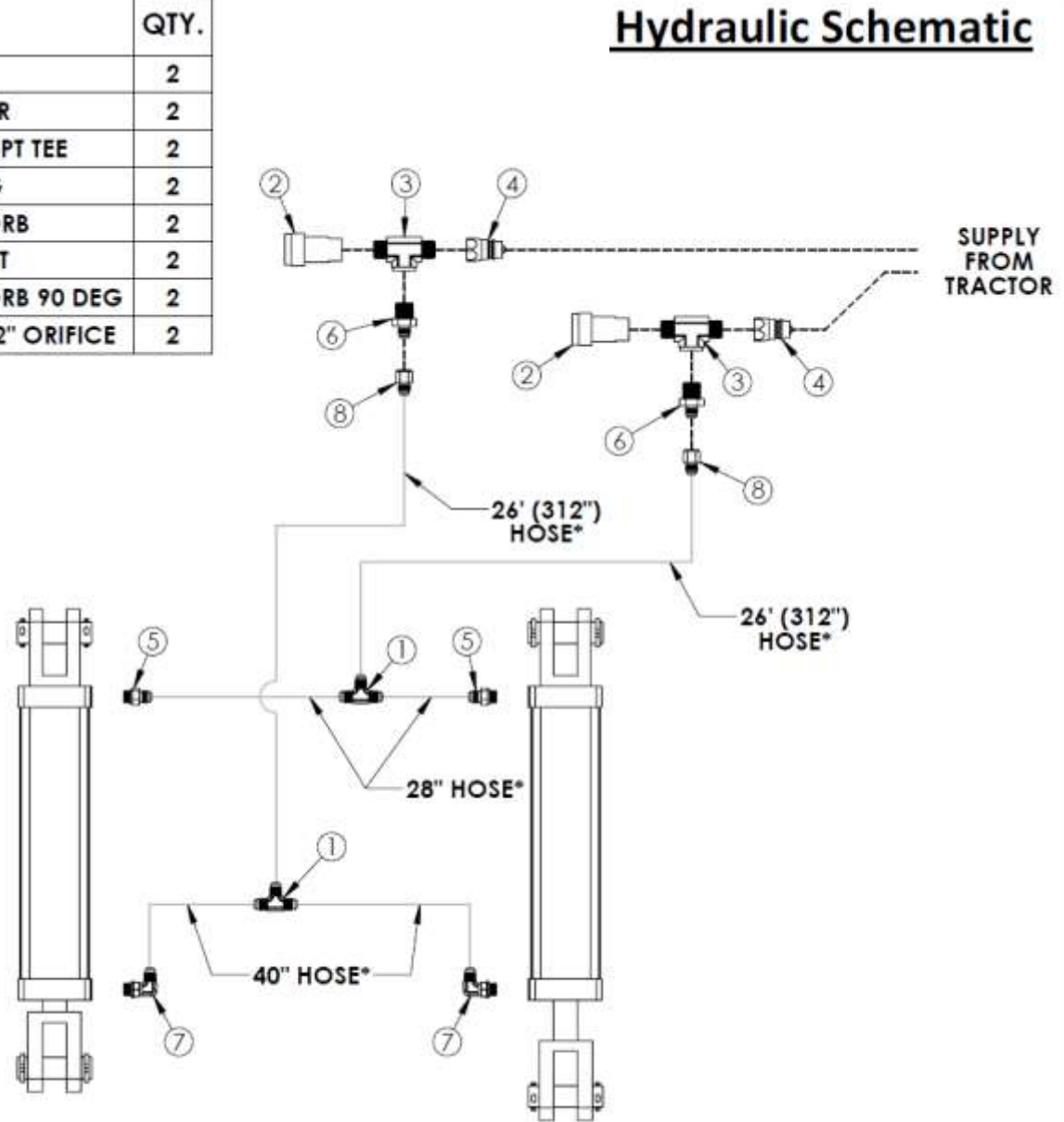
## 2. Hydraulic Installation

ITEM NO.	DESCRIPTION	QTY.
1	9/16" MALE JIC TEE	2
2	1/2" FEMALE NPT QUICK COUPLER	2
3	1/2" FEMALE NPT TO 1/2" MALE NPT TEE	2
4	1/2" NPT MALE NIPPLE COUPLING	2
5	9/16" MALE JIC TO 9/16" MALE ORB	2
6	9/16" MALE JIC TO 1/2" MALE NPT	2
7	9/16" MALE JIC TO 9/16" MALE ORB 90 DEG	2
8	9/16" JIC MALE TO FEMALE - 1/32" ORIFICE	2

\* 3/8" Diameter Hoses



Every hose end is crimped with a straight swivel flange fitting.



## 2. Hydraulic Installation

### Refer to Figures 9 & 10

12. Attach a straight fitting on the base end of the cylinder and a 90 degree fitting on the rod end of the cylinder. A 28" hose will be attached to the straight fitting. A 40" hose will be attached to the 90 degree fitting. Do this on each cylinder.
13. Both sets of hoses will meet up and attach to the tee fittings in the middle. Make sure cylinder base hoses are together and rod end hoses are together. Also make sure that the hoses have enough freedom to move as the wing frames rotate up 90 degrees. Attach the two 312" hoses to the tee fittings and route them under the hood and up along the plastic side panel/wheel well of the tractor.



Figure 9

Figure 10





## 2. Hydraulic Installation

Refer to Figures 11 & 12

14. Use zip ties to retain the hoses as needed.

Note: Use the plugs from the cylinders to cap the hoses to keep them clean.

Figure 11



Figure 12



## 2. Hydraulic Installation

Refer to Figures 13 & 14

15. Route the hoses along the side of the tractor and then under the cab to the back.

Figure 13



Figure 14



## 2. Hydraulic Installation

Refer to Figures 15-17

16. Route the hoses out the back of the tractor. Attach the hose to the NPT tee fitting and quick couplers as shown in the schematic. They can now be plugged into one of the auxiliary ports at the back of the tractor.
17. Keep the hoses in front of the weight bracket contained using the hose clamps (LAN25162) and 3/8" bolts, washers and lock nuts (LAN18A00, LANFWS53 and RED0DTT).

Figure 15



Figure 16



Figure 17





## 2. Hydraulic Installation

Refer to Figures 18 & 19

18. Two pins (LANSS704) are included to hold the wing frames UP during long term storage. Their purpose is to keep the wing assemblies from settling during long-term storage. An extra hole is provided for storage of the pin while the rollers are in use.

Storage Position



Figure 18

Operating Position



Figure 19

# Headlight Clearance Consideration

Refer to Figures A, B & C

If additional light clearance is required, install cylinder stops (LANSCA-1) as necessary (one or two) on each cylinder to hold the roller arms away from the lights.

**Note: The cylinder stops will need to be removed in order to utilize the storage pin position (See Figure C).**



Figure A

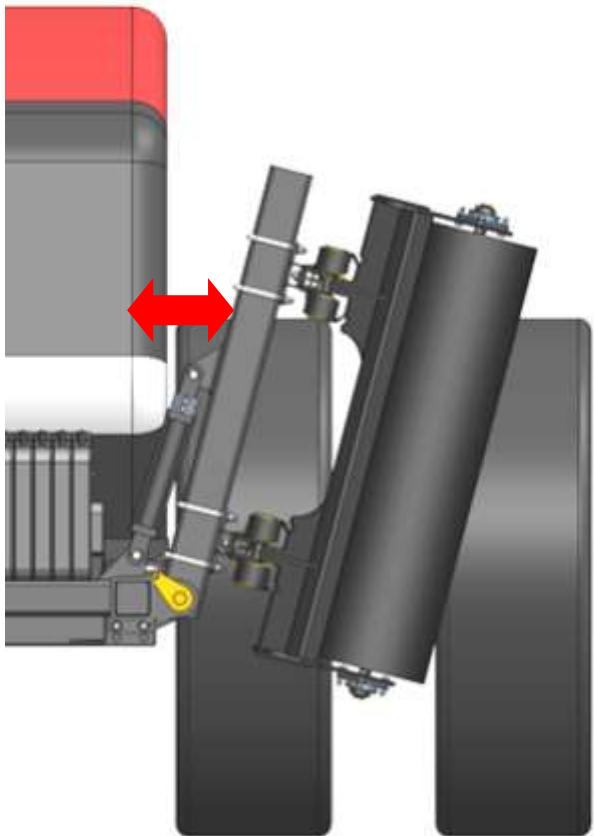


Figure B

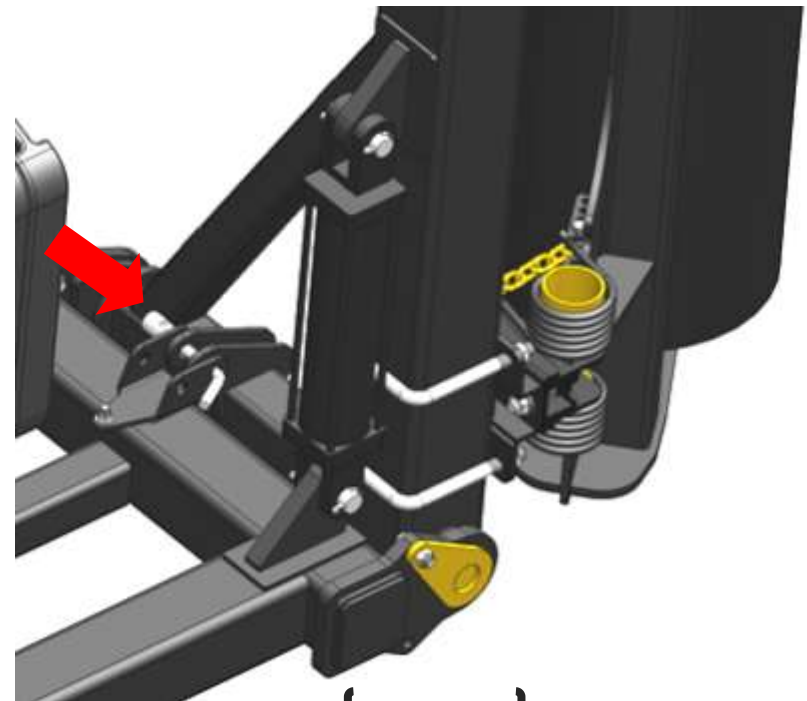


Figure C

# Stalk Roller Disclaimer

The most effective use of the Lankota Stalk Roller is achieved by adjusting the chain on the roller so that when they are unfolded, the roller drum is just touching the ground and the spring is not compressed. Over compression of the spring can shorten the life of the roller spring and may result in undue damage NOT covered by Lankota's Limited Warranty.

For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

