

LANSRJD9RT15

Installation Instructions

Lankota Stalk Roller Kit for JD® 9XXXRT (2015 through 2022) Series Tracked Tractors

LANKOTA®

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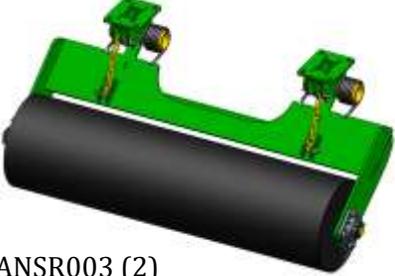
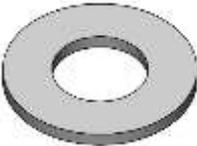
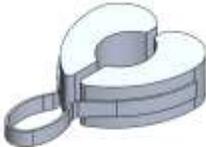
Numerical Parts List

Part Numbers	Description	Qty
LANSR021	JD 9RT (2015+) Stalk Roller Mount	1
LANSR022	JD 9RT (2015+) Stalk Roller Mount	1
LANSR023	JD 9RT Stalk Roller Nut Plate	2
LANSR024	JD 9RT (2015+) Stalk Roller Brace Mount	1
LANSR026	M24 Stalk Roller Spacer/Washer	4
LANSR003	FWA Stalk Roller Assembly	2
LANSR006	FWA Stalk Roller Wing Frame	1
LANSR007	FWA Stalk Roller Wing Frame	1
LANSR008	FWA Stalk Roller Wing Pin	2
LANSR009	FWA Stalk Roller Plastic Washer	4
LANW250100-S	Hydraulic Cylinder for Stalk Rollers	2
LANSS704	1/2" Bent Pin with Cap	2
LANSKA-1	1" Cylinder Stroke Control	4
LANSRJD8RHK	Stalk Roller Hose Kit	1
-----	26' (312") x 3/8" Hydraulic Hose, JIC 6F	2
-----	28" x 3/8" Hydraulic Hose, JIC 6F	2
-----	40" x 3/8" Hydraulic Hose, JIC 6F	2
-----	52" x 3/8" Hydraulic Hose, JIC 6F	2
-----	64" x 3/8" Hydraulic Hose, JIC 6F	2
-----	1/32" Orifice JIC Male to Female	2
6400-06-06	9/16" Male JIC to 9/16" Male ORB	2
6801-06-06	9/16" Male JIC to 9/16" Male ORB 90 Deg	4
2603-06-06-06	9/16" Male JIC Tee	2
2404-06-08	9/16" Male JIC to 1/2" Male NPT	2
5601-08-08-08	1/2" Female NPT to 1/2" Male NPT Tee	2
DINB12-F-08N	1/2" Female NPT Quick Coupler	2
DINB12-MS-08N	1/2" NPT Male Coupling	2

Numerical Parts List Continued

Part Numbers	Description	Qty
LANSRJD9RT15BH	Box of Hardware	1
LANFP2RG	M24-3 x 170, Gr 10.9 Hex Bolt	4
LANF-FW-M24	M24 Flat Washer	4
LANF0FC4	M24 Lock Washer	4
LANFE10A	M16-2 x 80, Gr 10.9 Full Thread	2
LAN14M7259	M16-2 Hex Nut	2
LANFWS57	5/8" SAE Flat Washer	4
REDB710	5/8" x 2.5" Hex Bolt	8
REDWL57	5/8" Lock Washer	10
LAN26000	5/8" Flat Washer	8
RED708K	5/8" x 2" Carriage Bolt	8
LAN690830	5/8" Serrated Flange Nut	24
LANFC507	1/2" x 1.75, Gr 8 Hex Bolt	2
LANFWS55	1/2" SAE Flat Washer	2
RED1F30	1/2" Top Lock Nut	2
REDB204	5/16" x 1" Hex Bolt	2
LANFWS52	5/16" SAE Flat Washer	2
LAN1616	5/16" Nyloc Nut	2
LAN25162	Double 1" Hose Clamp with Cushion	2
LAN44302	Zip Tie, 11"	12
LAN079UBOLT	U-Bolt - 5/8"-11 x 6.50"	8

Pictorial Parts List

 LANSR021 (1)	 LANSR022 (1)	 LANSR023 (2)	 LANSR026 (4)
 LANSR024 (1)	 LANSR003 (2)	 LANSR006 (1)	 LANSR007 (1)
 LANSR008 (2)	 LANSR009 (4)	 LANW250100-S (2)	 LANS704 (2)
 LANSFW-M24 (4)	 LANF0FC4 (4)	 LANFE10A (2)	 LAN14M7259 (2)
 LANSFW57 (4)	 REDWL57 (10)	 LANS-1 (4)	 LANFP2RG (4)

Pictorial Parts List (continued)

 REDB710 (8)		 LAN26000 (8)	 RED708K (8)	 LAN690830 (24)
 LANFC507 (2)	 LANFWS55 (2)	 RED1F30 (2)	 LAN44302 (12)	 LAN25162 (2)
 LAN079UBOLT (8)		 REDB204 (2)	 LANFWS52 (2)	 LAN1616 (2)

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.

Kit Installation

Refer to Figure 1

1. Tighten the 4 bolts shown on both sides.
2. Remove the center 2 bolts of each side.

Refer to Figures 2 & 3

3. Install the brace mount (LANSR024) and four spacer/washers (LANSR026) using four M24 x 170 Hex Bolts (LANFP2RG), M24 flat washers (LANF-FW-M24) and M24 lock washers (LANFOFC4).
4. Tighten only to snug.

Note: The LANSR026 spacers go behind the brace mount and fill in the circular depressions.

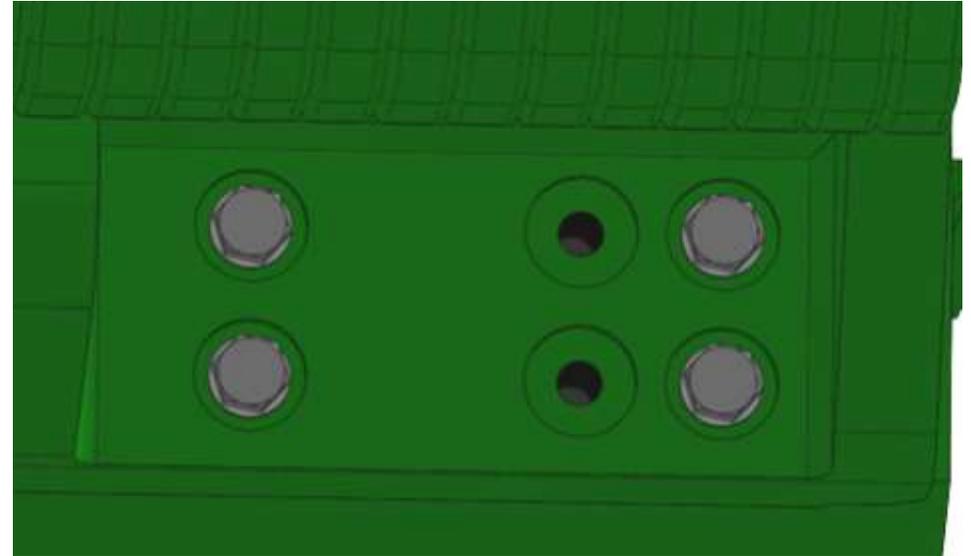


Figure 1

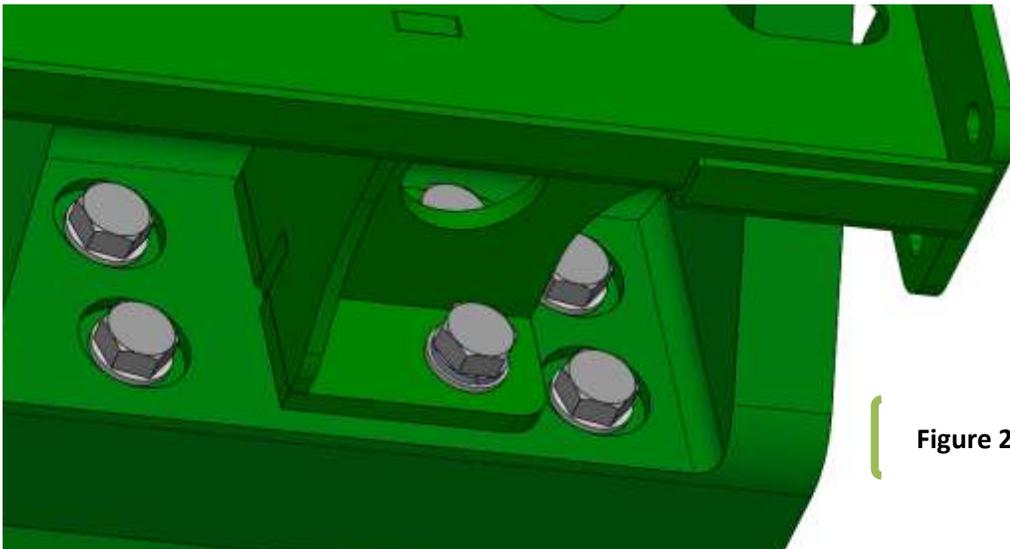


Figure 2

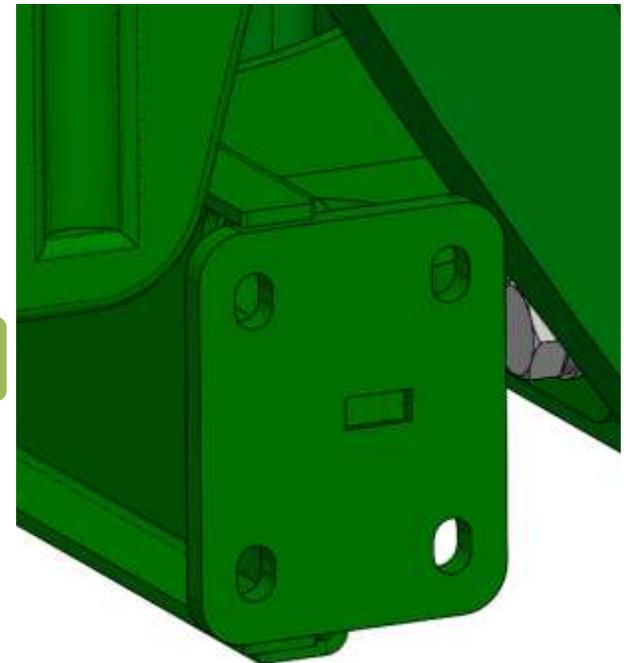


Figure 3

Kit Installation

Refer to Figures 4 - 7

5. Open the engine hood.
6. Remove the front hood seal shrouds (both sides). Save the hardware for reinstall later.
7. On each side, remove and replace the front flange head bolts on the sides of the radiator frame with an M16 x 80mm bolt (LANFE10A) and a 5/8" SAE flat washer (LANFWS57). Tighten well.
8. Reinstall the plastic shrouds.

Figure 4



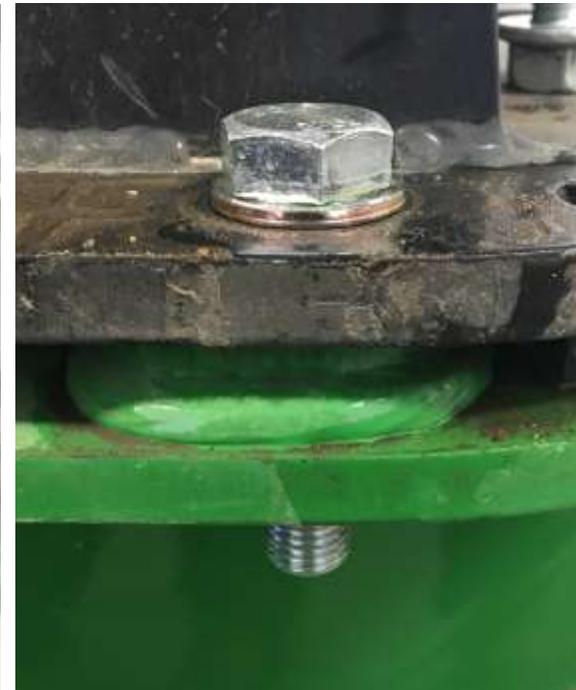
Figure 5



Figure 6



Figure 7



Kit Installation

Refer to Figures 8 & 9

9. On the driver side, lift the stalk roller mount (LANSR021) into the place. Slide the previously installed M16 bolt through the slot on the top and secure with a 5/8" SAE washer, 5/8" lock washer and M16 nut.
10. Do not tighten.
11. Repeat on other side with LANSR022.



Figure 8



Figure 9

Kit Installation

Refer to Figures 10 & 11

12. On each side, underneath, there is a large slot/hole. Slide a nut plate (LANSR023) up and hold. (Make sure the flat side is facing outward.)
13. Install four 5/8" x 2.5" hex bolts (REDB710), each with a 5/8" flat washer (LAN26000) and lock washer (REDWL57), through the stalk roller mount and the tractor's triangular holes and into the nut plates.
14. Do not tighten yet.



Figure 11

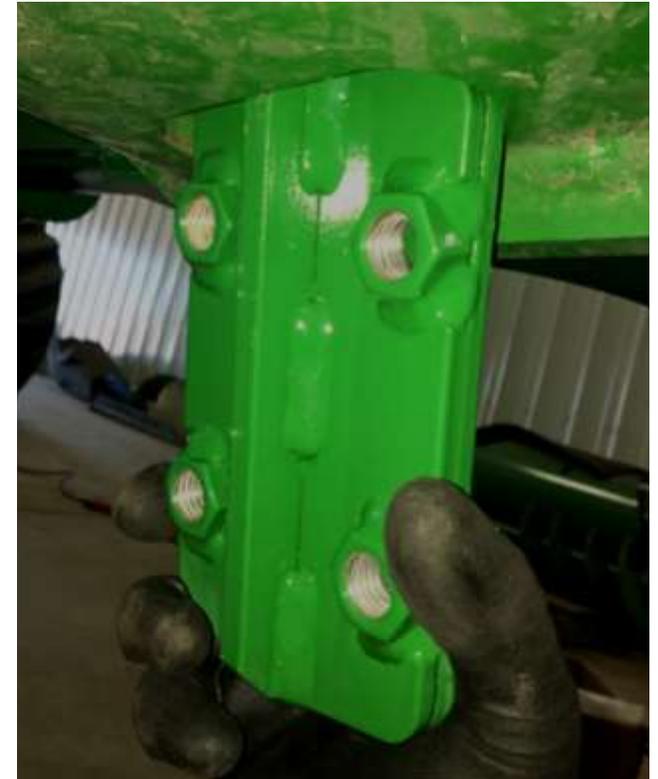


Figure 10

Kit Installation

Refer to Figures 12 & 13

15. On each side, install a 5/8" x 2" carriage bolt (RED708K) through each slot and fasten with a 5/8" serrated flange nut (LAN690830).
16. Tighten all hardware from all previous steps in the order it was installed.

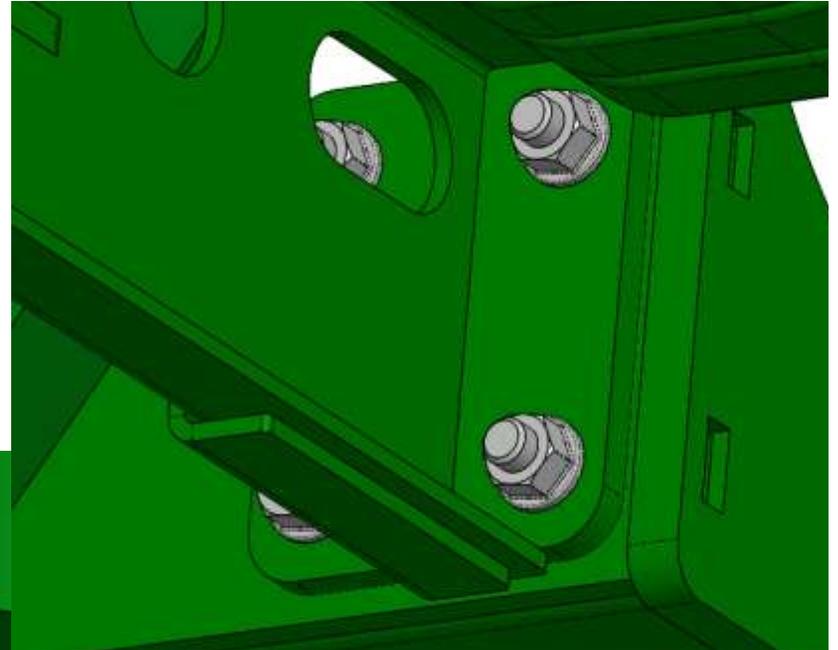


Figure 12

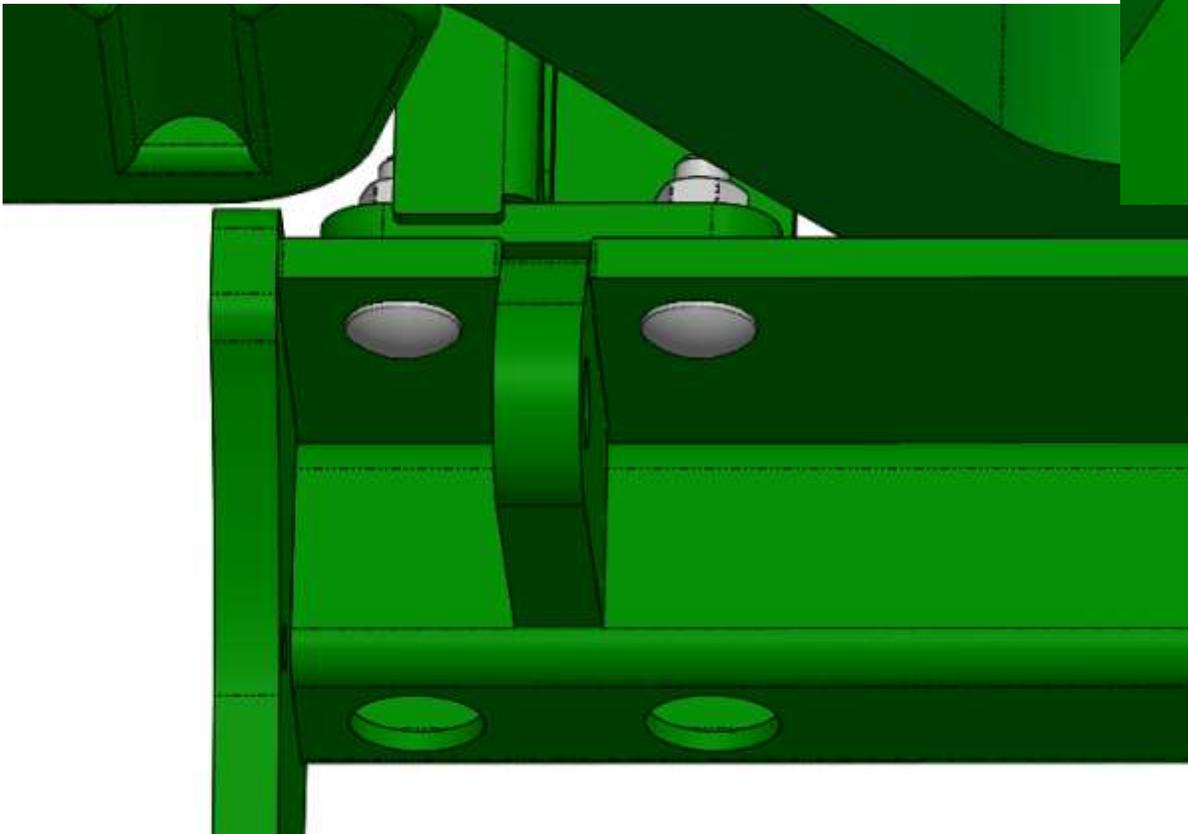


Figure 13

Kit Installation

Refer to Figures 14 & 15

17. Using the pivot pins (LANSR008), attach the wings (LANSR006 & LANSR007) to the mounts (LANSR021 & LANSR022) respectively.
18. Install a plastic washer (LANSR009) on each side of each wing.
19. Retain the pivot pins with the 1/2" x 1.75 Gr 8 bolts (LANFC507), SAE washers (LANFWS55) and top lock nuts (RED1F30).
20. Grease the wings from the installed zerks. Paint may need to be removed.



Figure 14



Figure 15

Kit Installation

Refer to Figures 16 & 17

21. Install the hydraulic cylinders using the included hardware.
22. Install hydraulic fittings and a hose, found in the hose kit, as shown to keep any oil contained.
23. Extend the cylinder completely and connect to the wing.
24. Loosen the hardware of the clevis, then use a level and level the arm by turning the rod of the cylinder.
25. Retighten the hardware.



Figure 16



Figure 17

Kit Installation

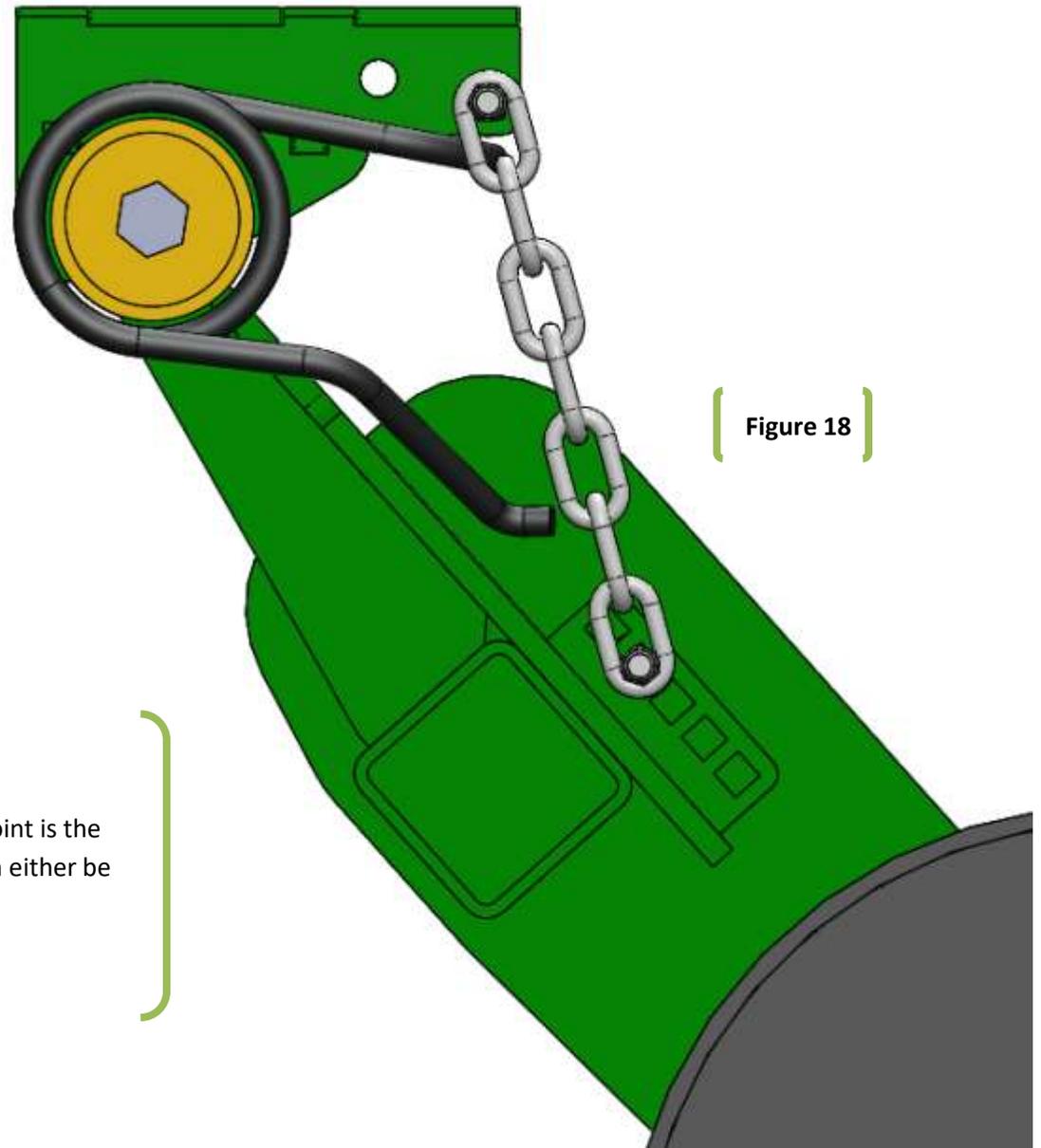


Figure 18

Refer to Figure 18

26. Check which hole the chains are set to. A good starting point is the second hole from the top. If it is not in this position, it can either be changed now or after the kit is installed.
27. The roller needs to be on the ground when in the field.

Kit Installation

Refer to Figures 19 & 20

28. Attach the stalk roller assemblies to the wings using the provided 5/8" U-bolts (LAN079UBOLT) and serrated flange nuts (LAN690830).
29. Position the rollers so they cover the entire track and the inner edge of the roller is outside the pivot pin.



Figure 19



Figure 20

Kit Installation

Refer to Figures 21 & 22

30. The included pins (LANSS704) are for storage purposes. When storing folded up, insert the pins as shown (Figure 21) to prevent the wings from settling down.
31. Store in the provided hole as shown (Figure 22).

Note: push and twist the cap to remove and attach.

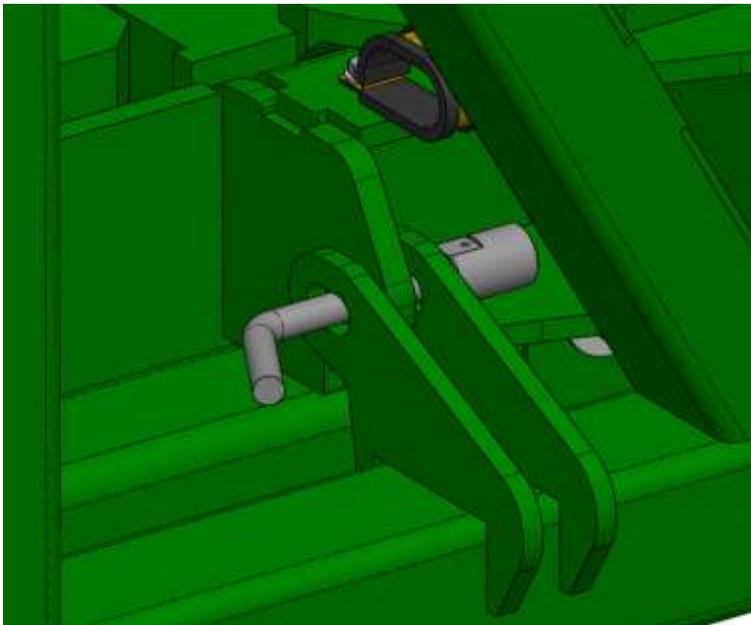


Figure 21

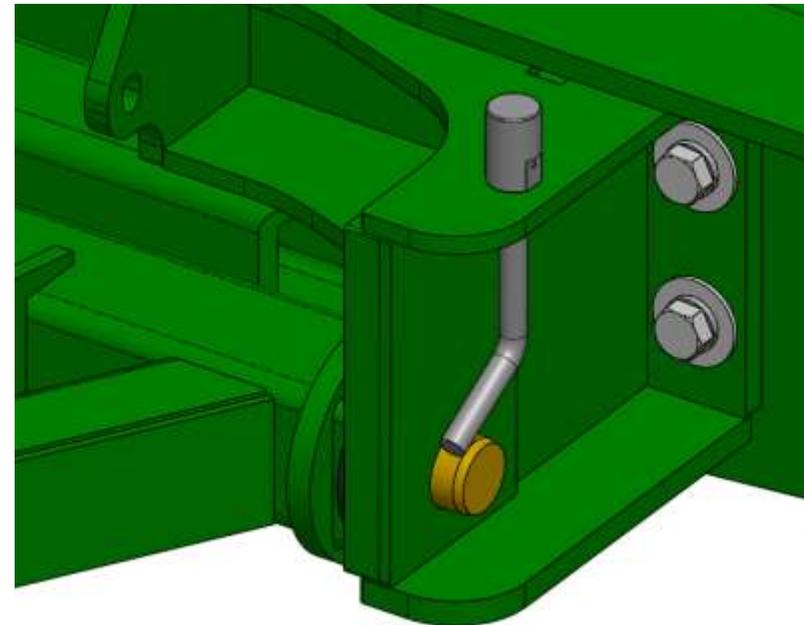


Figure 22

Hydraulic Schematic

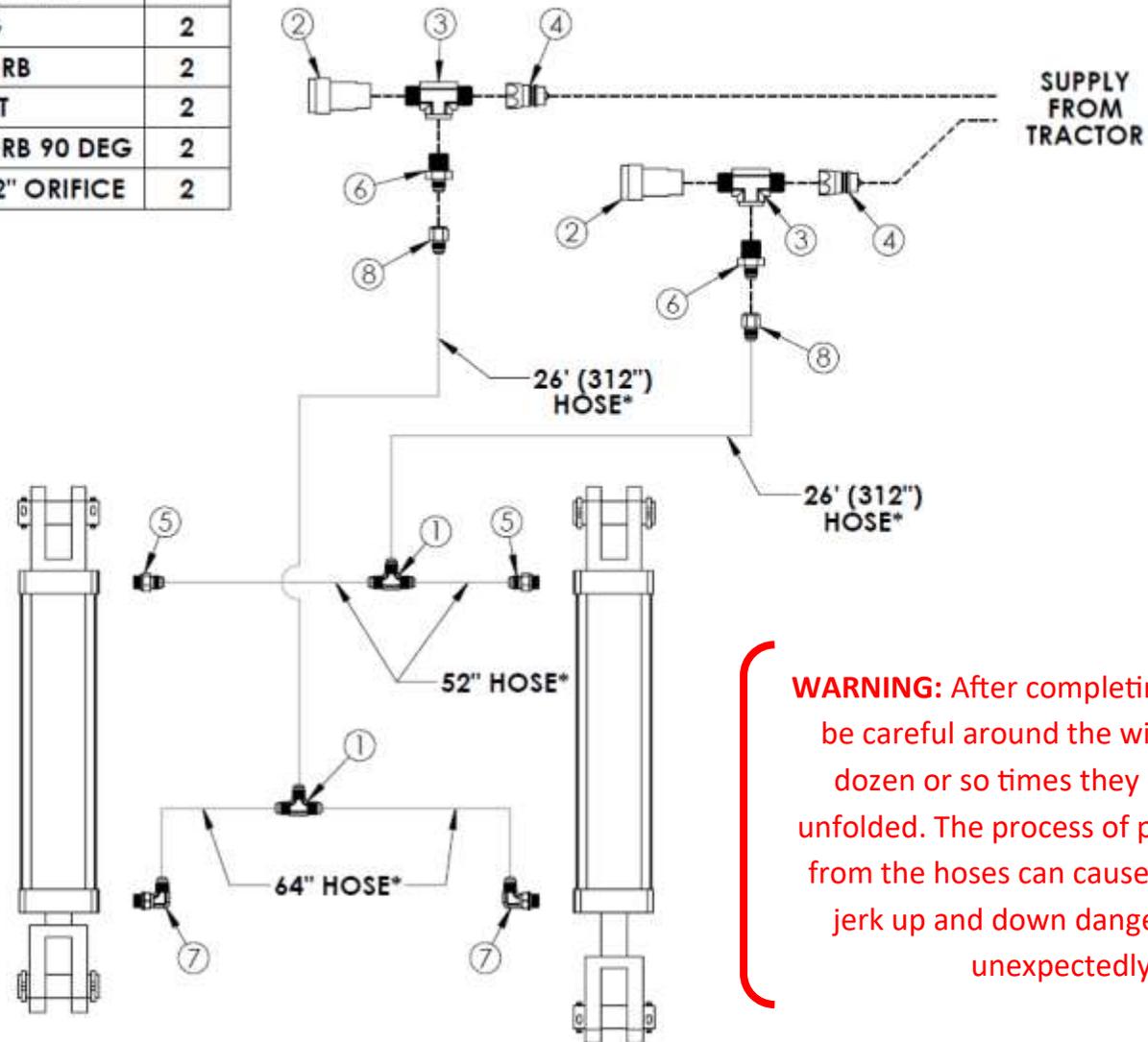
ITEM NO.	DESCRIPTION	QTY.
1	9/16" MALE JIC TEE	2
2	1/2" FEMALE NPT QUICK COUPLER	2
3	1/2" FEMALE NPT TO 1/2" MALE NPT TEE	2
4	1/2" NPT MALE NIPPLE COUPLING	2
5	9/16" MALE JIC TO 9/16" MALE ORB	2
6	9/16" MALE JIC TO 1/2" MALE NPT	2
7	9/16" MALE JIC TO 9/16" MALE ORB 90 DEG	2
8	9/16" JIC MALE TO FEMALE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

* 3/8" Diameter Hoses



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

LANSRJD9RT - Hydraulic Schematic



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.

Kit Installation



Figure 23

Figure 24



Figure 25



Refer to Figures 23 - 25

32. Install the hose kit as shown in the hydraulic schematic.
33. Run hoses as shown, using the included zip ties to keep them together and out of harm.
34. You can either run the hoses under the tractor or along the passenger side.

Kit Installation

Refer to Figures 26—28

35. Use the LAN25162 hose clamps to keep the hoses clear of the wings.
36. Mount them with the 5/16" x 1" bolt, SAE washer and nyloc nut to the roller mounts.



Figure 26



Figure 27

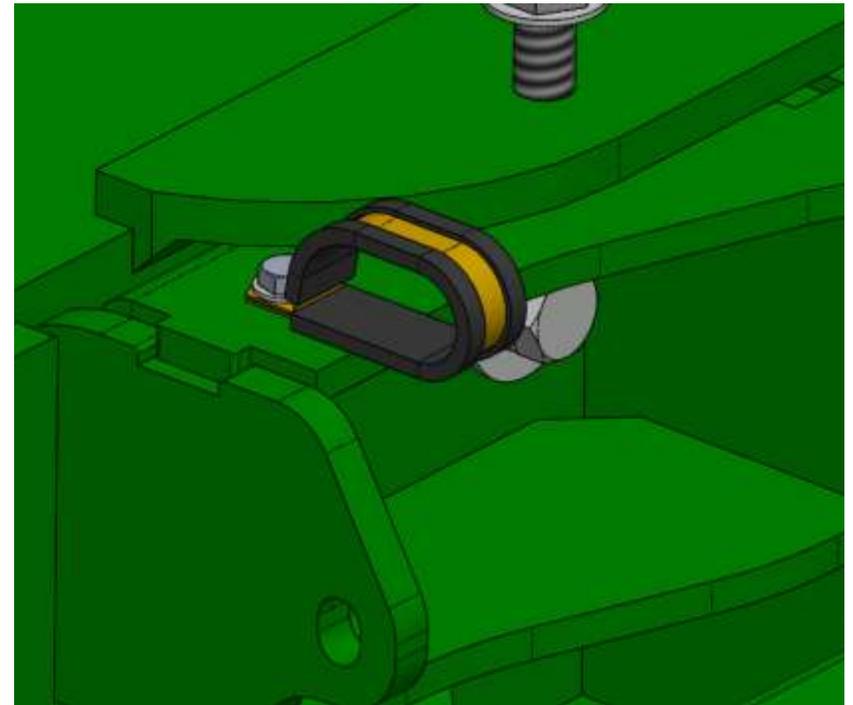


Figure 28

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

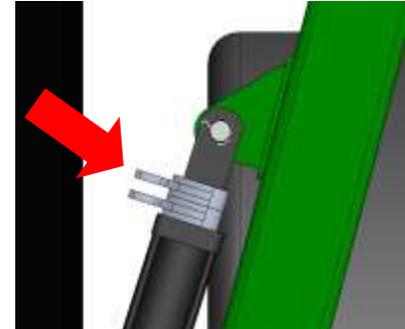


Figure A

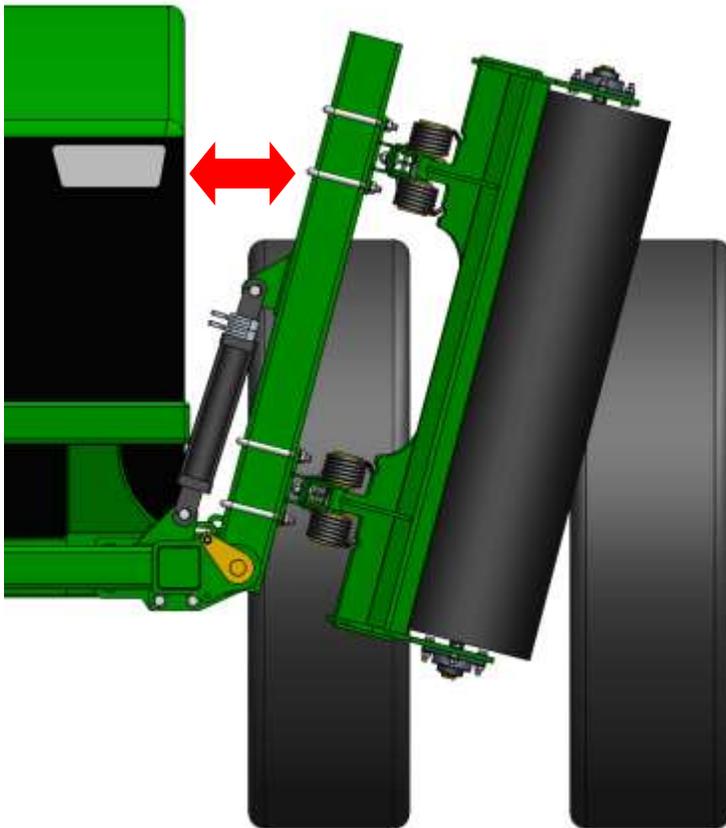


Figure B

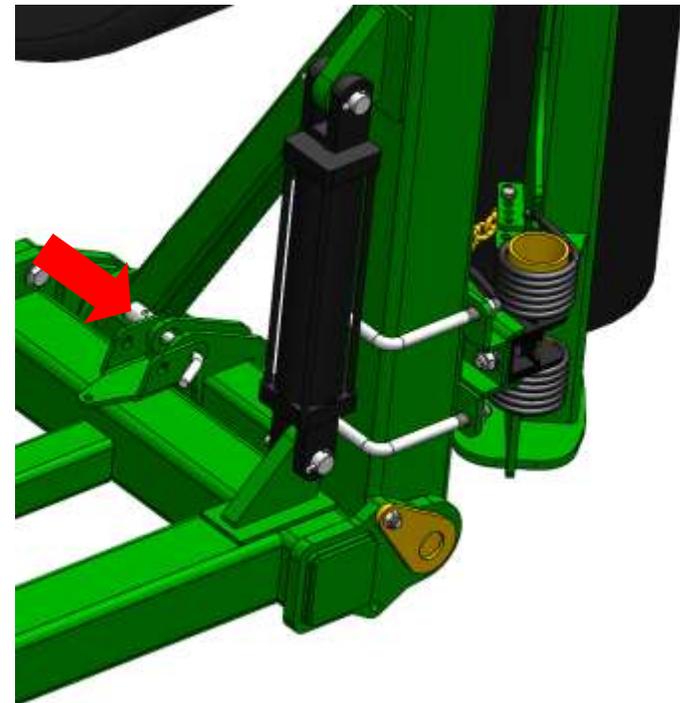


Figure C

For further technical assistance,

Call Lankota Inc. at:

1-866-526-5682

