

# **LANED84654**

## **Installation Instructions**

**Static Electricity Dissipator for JD HD-Series NON-Wheeled Headers**

# **LANKOTA®**

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


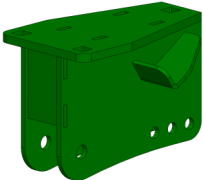

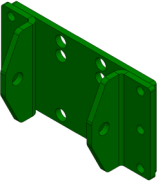
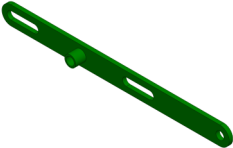
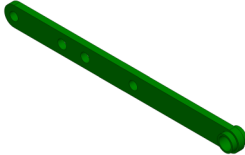
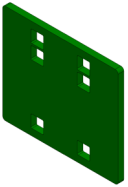
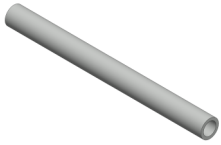
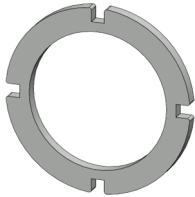
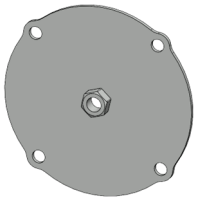
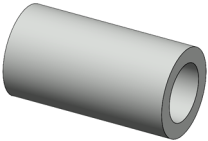
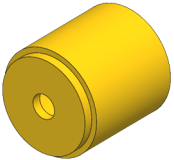





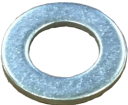


# Numerical Parts List

<b>Part Numbers</b>	<b>Description</b>	<b>Qty</b>
LANED322A	Static Dissipater Arm—18.5" Long	1
LANED322B	Dissipater Spring Mount	1
LANED322E	HD Header Pivot Plate—No Wheel	1
LANED322F	HD Header Pivot Mount—No Wheel	1
LANED322G	HD Header Outer Strut—No Wheel	2
LANED322H	HD Header Inner Strut—No Wheel	1
LANED322K	HD Header Pivot Backer—No Wheel	1
LANED322J	Link Bushing	1
LANED275	Grounding Spacer	1
LANED276	Grounding Plate, Disc-to-Bolt	1
LANED277	Pivot Bushing	1
LANSS651P	Spring Hub Pipe	2
LANSS651G	Torsion Spring	1
LANGD4121	Disc Opener, 15" OD	1
LAN8476A612	Spring Plunger, Stainless	1
LAN82340	Synthetic Grease w/ PTFE, Dielectric, 1cc	3
LANSS654	5/8" x 4" Hex Bolt	1
REDB710	5/8" x 2.5" Hex Bolt	1
LANFWS57	5/8" SAE Flat Washer	5
REDKRJF	5/8" Top Lock Nut	3
REDB508	1/2" x 2" Hex Bolt	3
LANFWS55	1/2" SAE Flat Washer	18
LAN506K	1/2" x 1.5" Carriage Bolt	4
RED1F30	1/2" Top Lock Nut	8
RED706K	5/8" x 1.5" Carriage Bolt	3
REDWL53	3/8" Lock Washer	1
LAN690830	5/8" Serrated Flange Nut	3
LAN204K	5/16" x 1" Carriage Bolt	4

# Numerical Parts List

<b>Part Numbers</b>	<b>Description</b>	<b>Qty</b>
REDKRJ8	5/16" Top Lock Nut	4
REDNAF3	3/8" Hex Nut	1
LANFB522	1/2" x 5.5" Hex Bolt	1
LANFHFNJH	1/2" x 9" Hex Bolt	1
LANSS704	Twist Lock Pin, 1/2"	1

# Pictorial Parts List

				
LANED322A (1)	LANED322B (1)	LANED322E (1)	LANED322F (1)	LANED322G (2)
				
LANED322H (1)	LANED322K (1)	LANED322J (1)	LANED275 (1)	LANED276 (1)
				
LANED277 (1)	LANSS651P (2)	LANSS651G (1)	LANGD4121 (1)	LAN8476A612 (1)
				
LAN82340 (3)	LANSS654 (1)	REDB710 (1)	LANFWS57 (5)	REDKRJF (3)
				
REDB508 (3)	LANFWS55 (18)	LAN506K (4)	RED1F30 (8)	RED706K (3)

# Pictorial Parts List

 <p>REDWL53 (1)</p>	 <p>LAN690830 (3)</p>	 <p>LAN204K (4)</p>	 <p>REDKRJ8 (4)</p>	 <p>REDNAF3 (1)</p>
 <p>LANFB522 (1)</p>	 <p>LANFHFNJH (1)</p>	 <p>LANSS704 (2)</p>		

# Kit Installation

## Refer to Figures 1 & 2

1. Attach the HD Header Pivot Mount (LANED322F) and HD Header Pivot Backer (LANED322K) to the header using the provided 1/2" x 1.5" Carriage Bolts (LAN506K), 1/2" SAE Washers (LANFWS55), and 1/2" Top Lock Nuts (RED1F30).
2. Attach the HD Header Pivot Plate (LANED322E) to the HD Header Pivot Mount using the provided 1/2" x 5.5" Hex Head Bolt (LANFB522), 1/2" SAE Washers (LANFWS55), and 1/2" Top Lock Nuts (RED1F30).

Figure 1

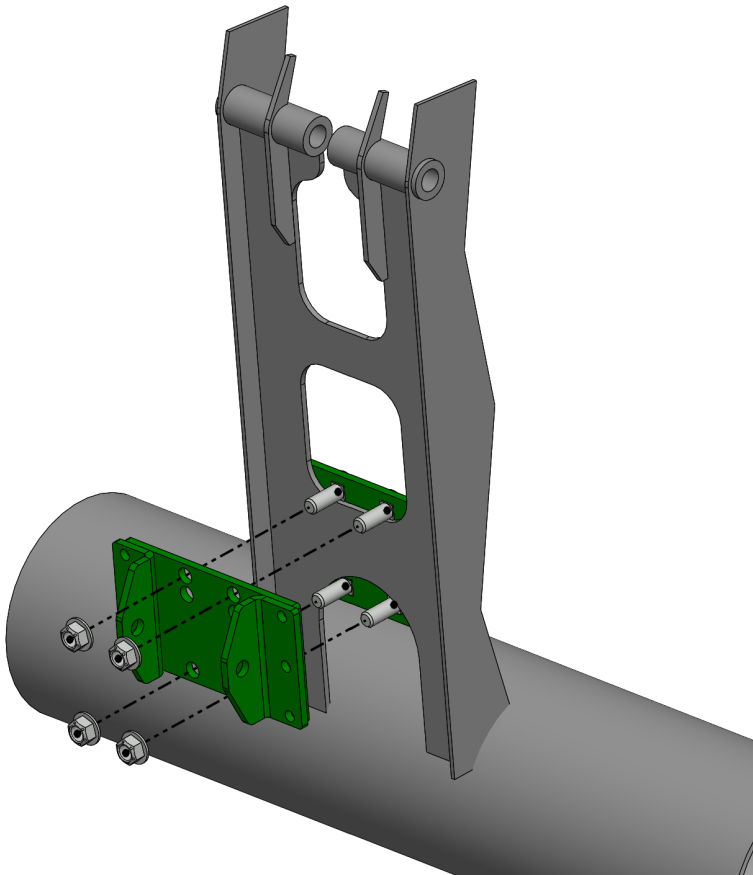
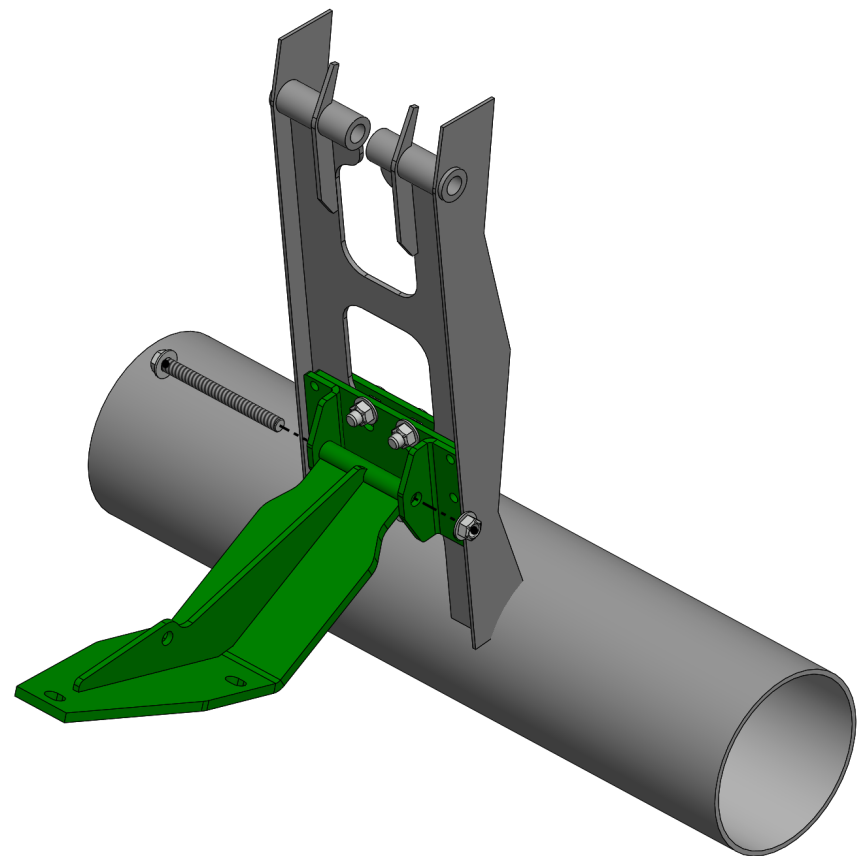


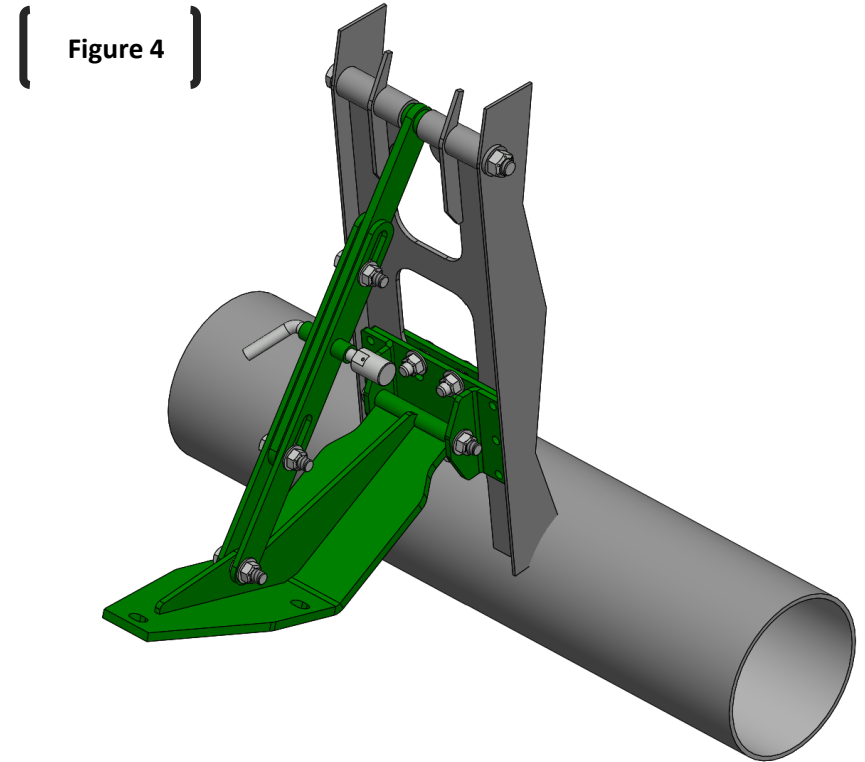
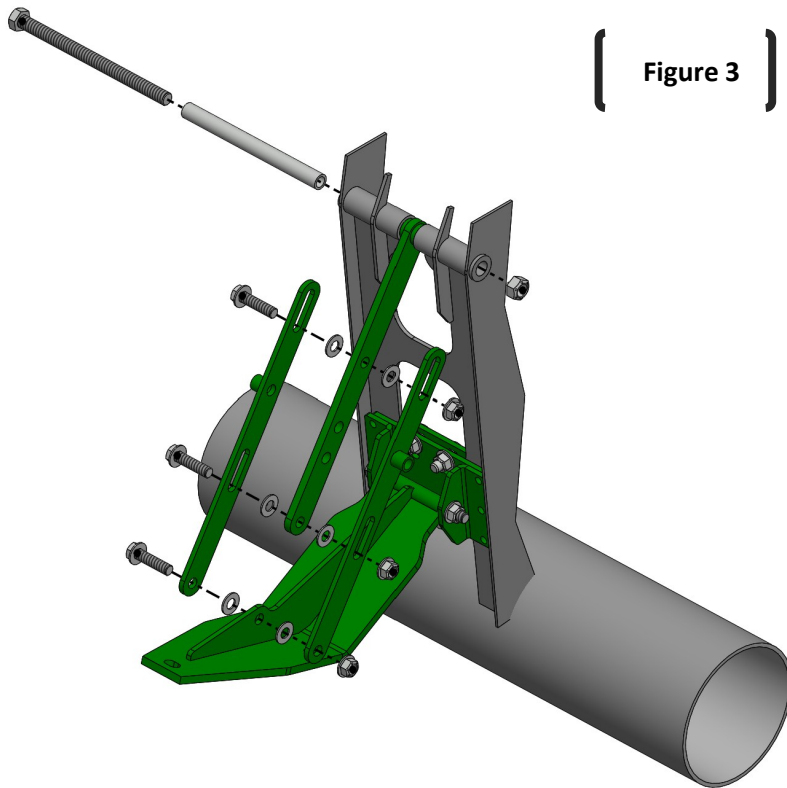
Figure 2



# Kit Installation

## Refer to Figures 3 & 4

3. Attach the HD Header Inner Strut (LANED322H) to the header using the Link Bushing (LANED322J), 1/2" x 9" Hex Head Bolt (LANFHFNJH), 1/2" SAE Washers (LANFWS55), and 1/2" Top Lock Nut (RED1F30)
4. Bolt the HD Header Outer Struts (LANED322G) to the outside of the Inner Strut using the provided 1/2" x 2" Hex Head Bolts (REDB508), 1/2" SAE Washers (LANFWS55) and 1/2" Top Lock Nuts (RED1F30). Be sure to have the slotted end toward the top, and make sure to put washers between the inner strut and outer struts as well as under the bolt head and nut. Tighten just enough to still allow the two struts to slide in their respective slots.
5. Pull the Pivot Plate upward to the top of the strut slot and install the LANS5704 pin through the bushing in the middle of the strut. This will keep it in the upper position for the following steps.



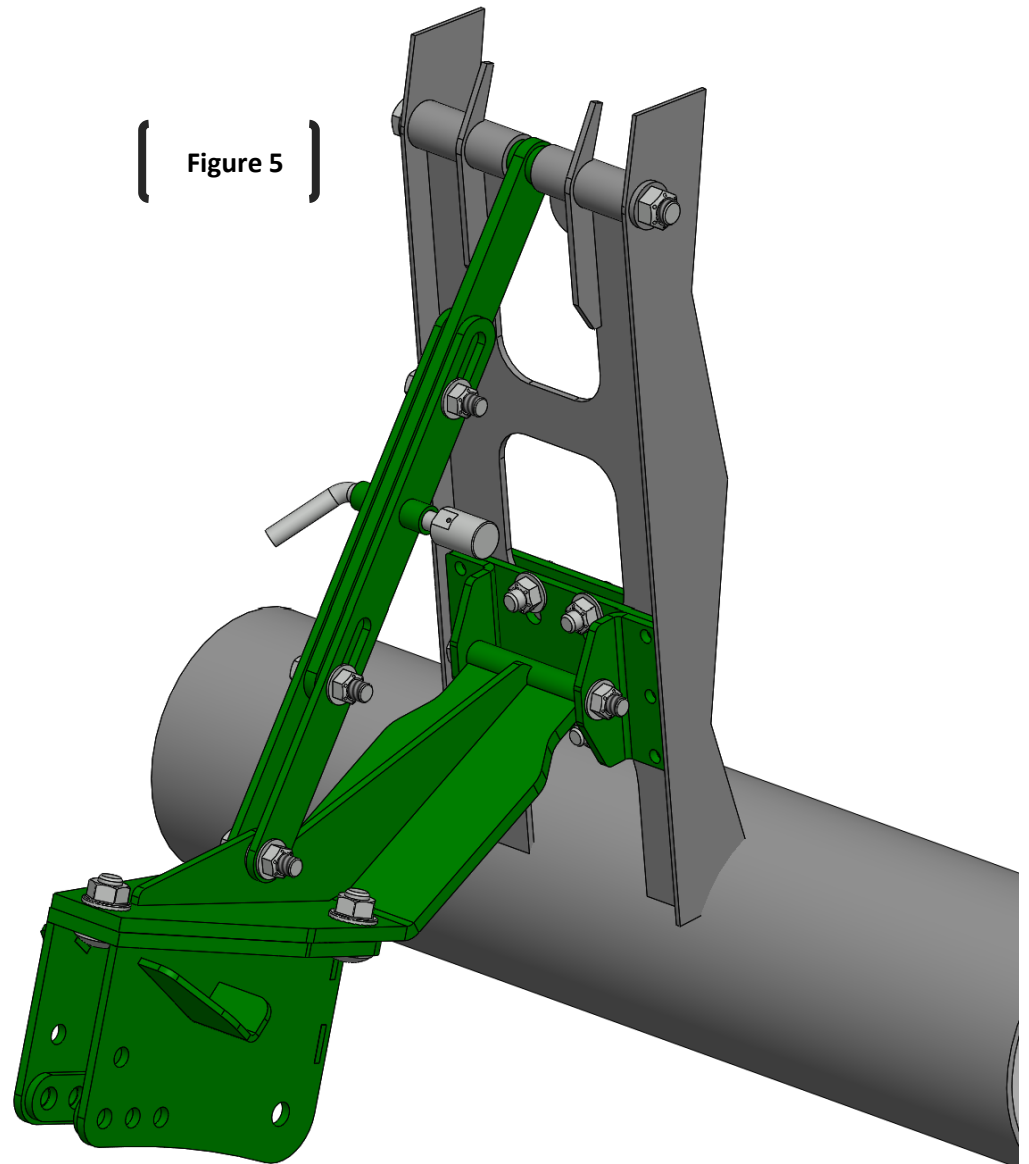
# Kit Installation

## Refer to Figures 5

6. Bolt the Dissipator Spring Mount (LANED322B) to the HD Header Pivot Plate with the 5/8" x 1.5" Carriage Bolts (RED706K) and 5/8" Serrated Flange Nuts (LAN690830). Make sure the nuts are on top of the Pivot Plate.



Figure 5



# Kit Installation

Refer to Figures 6 & 7

7. Apply anti-seize or grease to the inner surface of the arm (LANED322A) and then slide the pivot bushing (LANED277) inside.

Figure 6



Figure 7



# Kit Installation

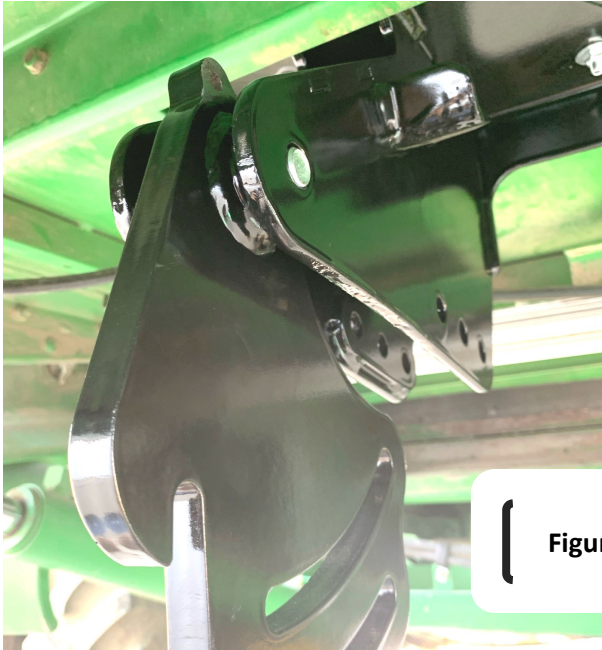


Figure 8

## Refer to Figures 8-11

8. Hang the arm and bushing from the mount. Use the 5/8" x 2.5" bolt as a temporary pin. The "hook" goes forward/down.
9. Hold the spring up with the legs around the main mount and the center bend in the arm's hook as shown.
10. Set a spring hub (LANSS651P) inside a spring coil. Press the 5/8" x 4" bolt (LAN3726000), with a washer (LANFWS57), through the mount and arm bushing (push the shorter bolt out as you do so).
11. Put the second spring hub in the other side and fasten it all with another washer and a 5/8" top lock nut (REDKRJF). Tighten well. Check that the arm swings smoothly.



Figure 10



Figure 9

Figure 11



# Kit Installation



Figure 12

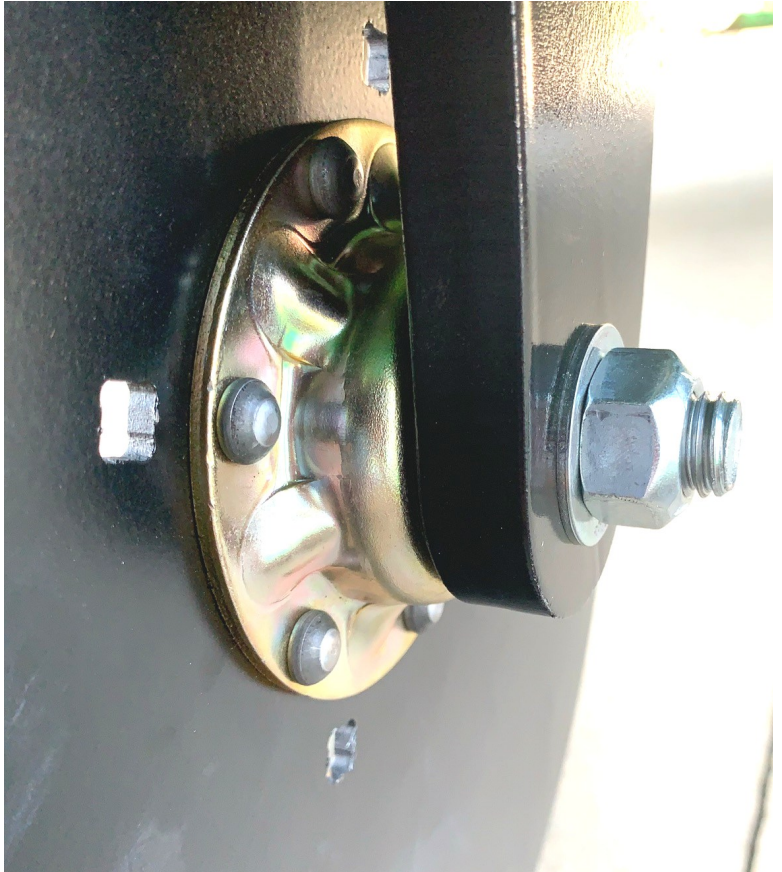
Figure 13



Figure 14



Figure 15



## Refer to Figures 12–15

12. Clean any paint or debris from the hole at the end of the arm. A good electrical connection is needed here.
13. Open a pouch of the provided dielectric grease and apply some to the cleaned hole.
14. Slide the 5/8" x 2.5" hex bolt (REDB710) through the disc's bearing (LANGD4121).
15. Put two 5/8" washers (LANFWS57) on the bolt and then push the bolt through the grease and arm.
16. Install another washer and fasten with a 5/8" top lock nut (REDKRJF). Tighten well.

# Kit Installation



Figure 16



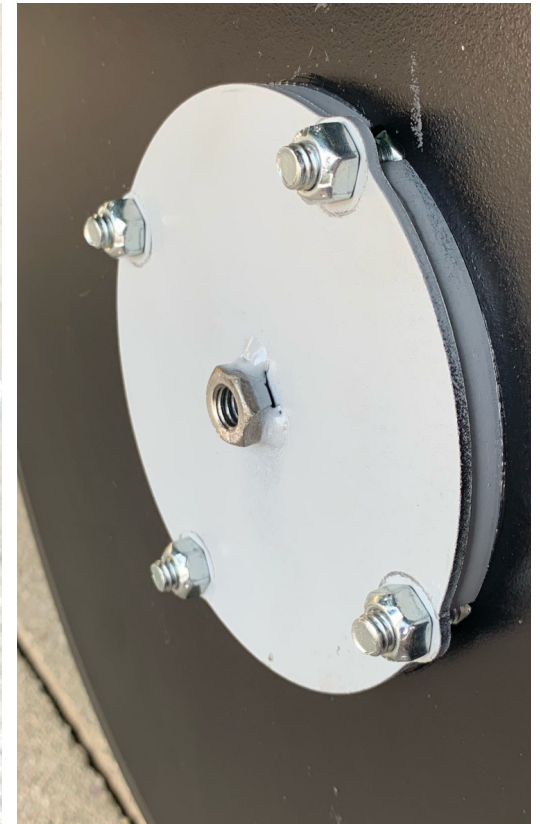
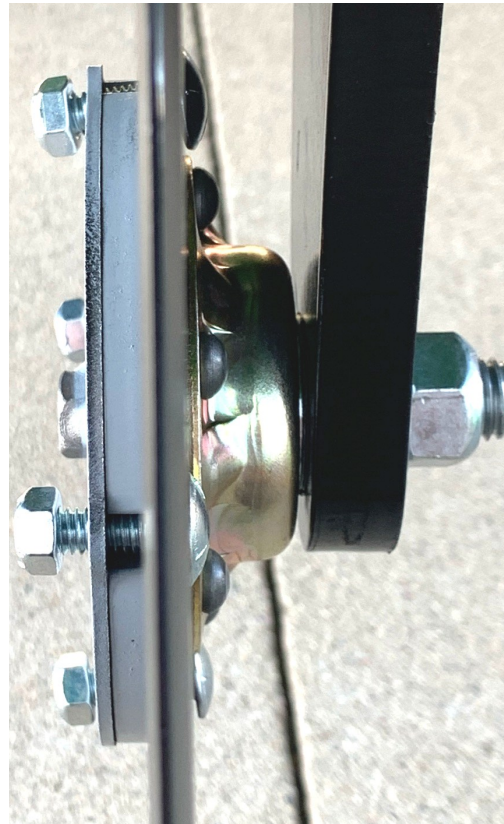
Figure 17

Refer to Figures 16—19

17. Apply some dielectric grease to the center of the head of the 5/8" bolt.
18. Apply a bead of dielectric grease to one side of the spacer (LANED275).
19. Flip it over and set it on the grounding plate (LANED276) as shown.
20. Apply another bead of dielectric grease to the side of the spacer.
21. Attach the spacer and plate to the disc with four 5/16" x 1" carriage bolts (LAN204K) and top lock nuts (REDKRJ8). Tighten evenly.

Figure 18

Figure 19



# Kit Installation

**Refer to Figures 20—22**

22. Screw the 3/8" nut (REDNAF3) onto the spring plunger (LAN8476A612) and slide the 3/8" lock washer (REDWL53) on as well.
23. Thread the plunger into the weld nut of the grounding plate until you feel the plunger tip contact the 5/8" bolt.
24. Using a hex key, compress the plunger 1-1.5 turns. Hold the key and disc stationary and tighten the hex nut and lock washer.



Figure 20



Figure 21

Figure 22



# Kit Installation

## Refer to Figures 23

25. The arm and spring mount have two slotted positions for use depending on the height/depth required as well as a storage hole position toward the back. Strut Assembly can also be used to adjust the running height of the static dissipator disc.
22. Use the 1/2" twist-lock pins to set the arm in the best position.

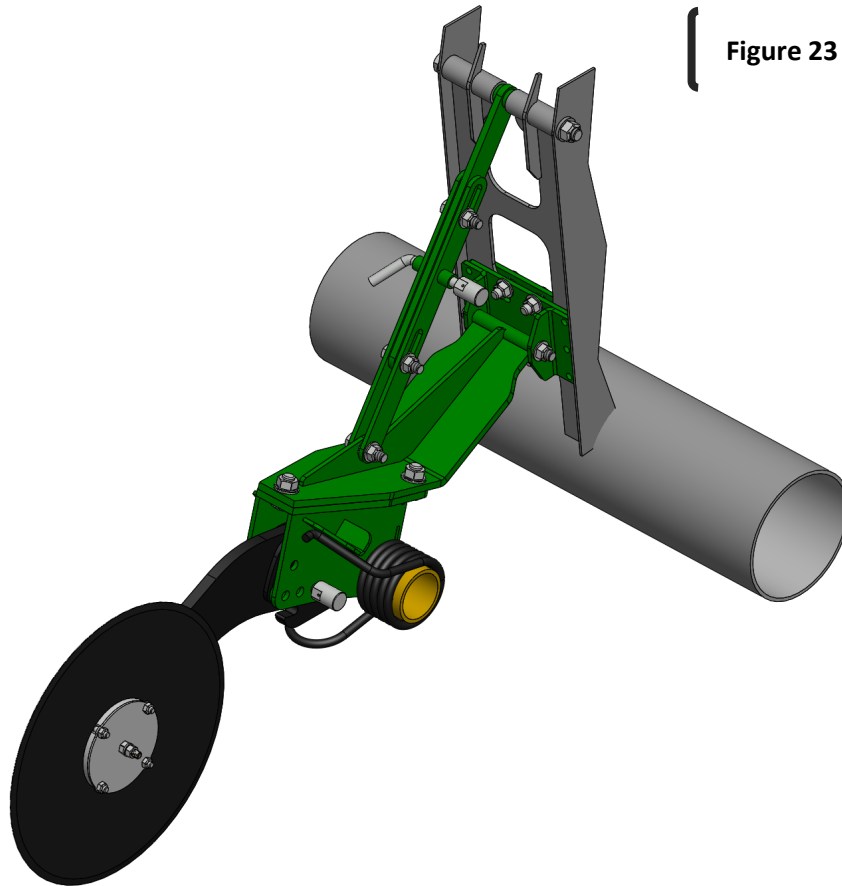


Figure 23

For further technical assistance,

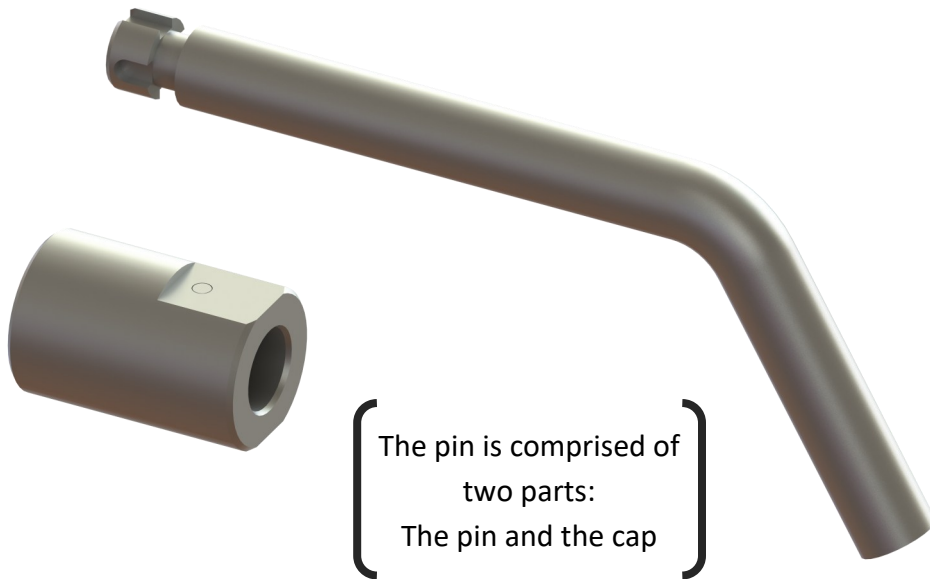
Call Lankota Inc. at:

**1-866-526-5682**

# LANKOTA<sup>®</sup>

## LANSS704 Instructions

Lankota 1/2" Twist-Lock Pin

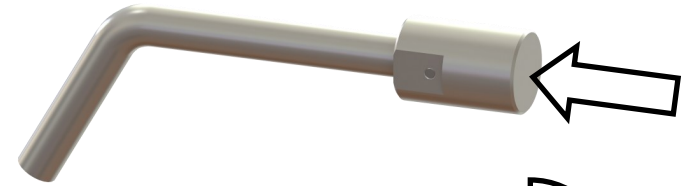


The LANSS704 is a patent pending pin designed by Lankota Inc. for the harsh environment of the field. The simple push, twist and release design ensures that the cap and pin cannot be separated by vibration or debris.

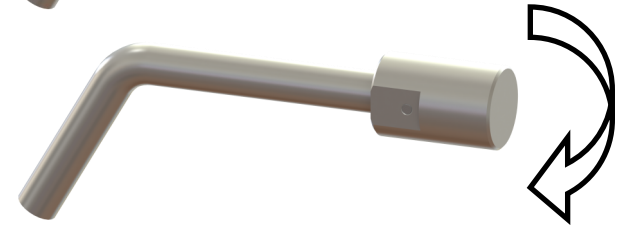
For any questions, please contact Lankota.

## Removing LANSS704

**Step 1:** Push the cap in and hold.



**Step 2:** Twist cap 90° left or right.

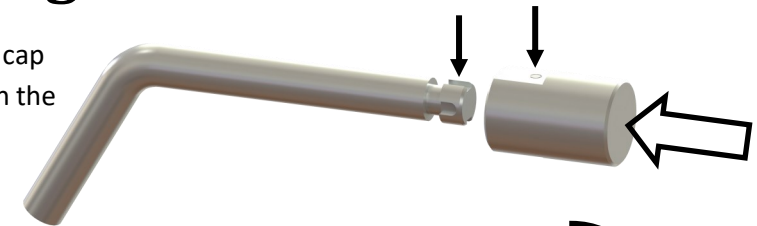


**Step 3:** Slide the cap off the pin.

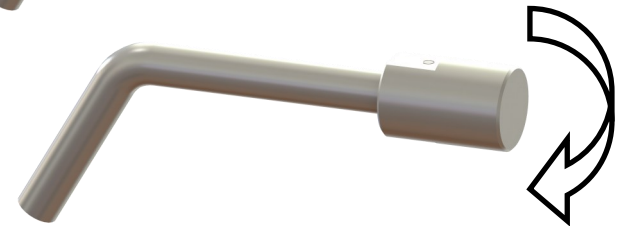


## Installing LANSS704

**Step 1:** Align the cap retaining pin with the open groove and push on.



**Step 2:** Twist cap 90° left or right.



**Step 3:** Release the cap and ensure it is secure.

