LANED21379

Installation Instructions

Static Electricity Dissipater for JD 70 & S-Series Combines

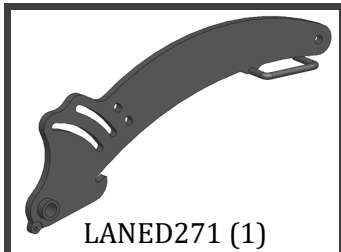
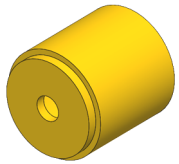
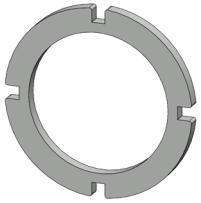
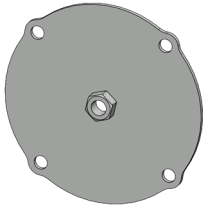
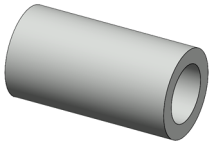
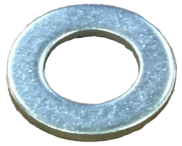
LANKOTA®

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

Numerical Parts List

Part Numbers	Description	Qty
LANED271	Static Dissipater Arm	1
LANED272	Dissipater Mount, JD Combine	1
LANED275	Grounding Spacer	1
LANED276	Grounding Plate, Disc-to-Bolt	1
LANED277	Pivot Bushing	1
LANSS651P	Spring Hub Pipe	2
LANSS561G	Torsion Spring	1
LANGD4121	Disc Opener, 15” OD	1
LAN8476A612	Spring Plunger, Stainless	1
LANSS704	Twist Lock Pin, 1/2”	1
LAN82340	Synthetic Grease w/ PTFE, Dielectric, 1cc	3
LAN3726000	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	2
LANFK405	7/16” x 1.25” Carriage Bolt	2
LANFNAS4	7/16” Serrated Flange Nut	2
REDB204	5/16” x 1” Hex Bolt	3
LAN1133	5/16” Flat Washer	4
REDKRJ8	5/16” Top Lock Nut	7
LAN204K	5/16” x 1” Carriage Bolt	4
REDWL53	3/8” Lock Washer	1
REDNAF3	3/8” Hex Nut	1
LANWG12-0	Wire, 12 AWG, Black	10 ft
LAN32704	5/16” Ring Terminal, 12-10 AWG, Yellow	2
LAN44302	Zip Tie	6

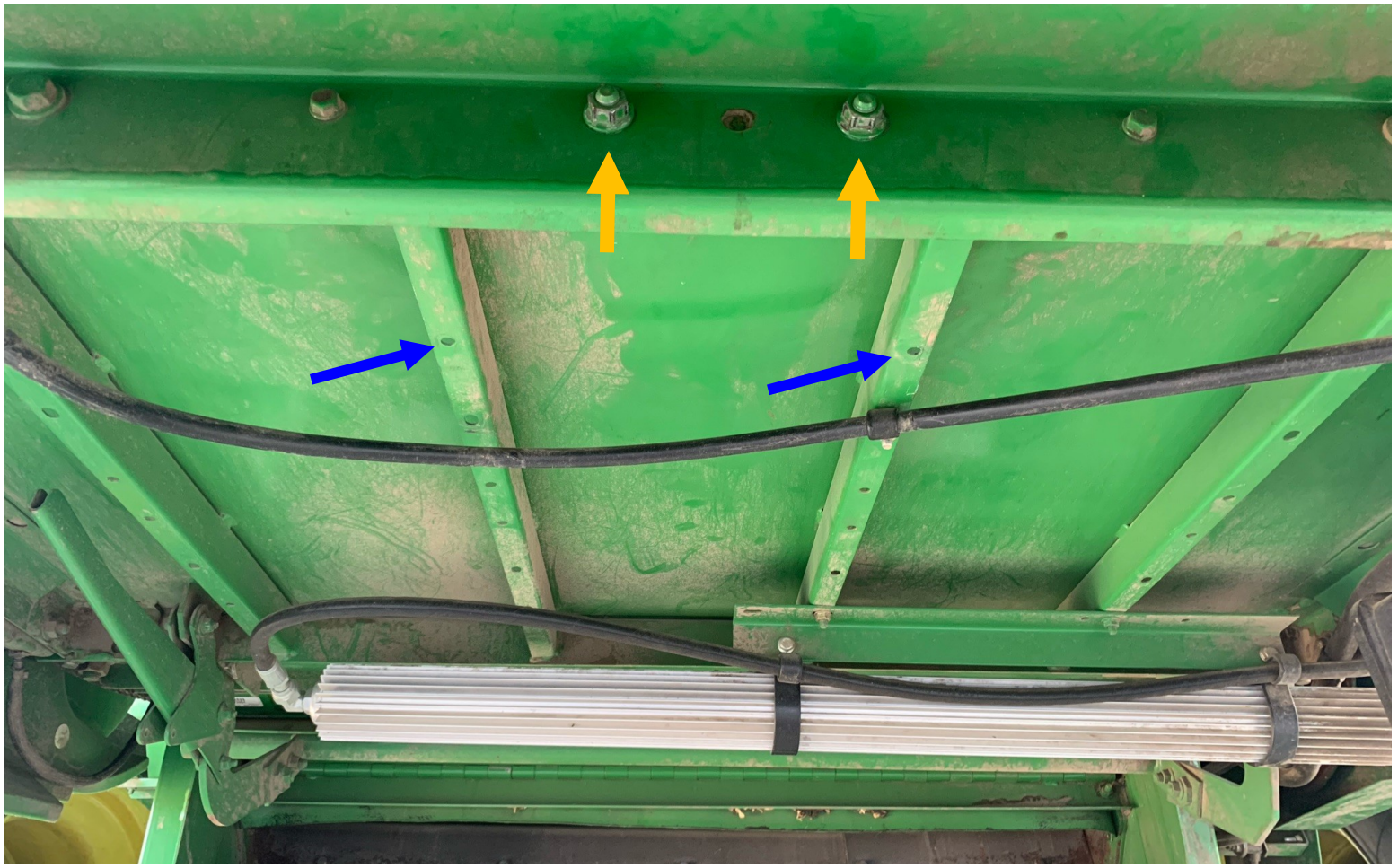
Pictorial Parts List

 LANED271 (1)	 LANED272 (1)	 LANSS651P (2)	 LANSS651G (1)	 LANSS704 (1)
 LANED275 (1)	 LANED276 (1)	 LANED277 (1)	 LANGD4121 (1)	 LAN8476A612 (1)
 LAN82340 (3)	 LAN3726000 (1)	 REDB710 (1)	 LANFWS57 (5)	 REDKRJF (2)
 LANWG12-0 (10 ft)	 LAN32704 (2)	 REDB204 93)	 LAN1133 (4)	 REDKRJ8 (7)
 LANFK405 (2)	 LANFNAS4 (2)	 LAN204K (4)	 REDWL53 (1)	 REDNAF3 (1)

Refer to Figure 1

1. On the bottom of your feederhouse, make sure the indicated holes are empty and remove the center two carriage bolts and nuts.

Figure 1



Kit Installation

Figure 2

Figure 3

Refer to Figures 2 & 3

2. Install the main mount (LANED272) to the cleared holes. Use the 7/16” hardware through the front holes and 5/16” x 1” hex bolts, washers and top lock nuts in the top holes.
3. When all the hardware is started, tighten them all.

Refer to Figures 4 & 5

4. Apply anti-seize or grease to the inner surface of the arm (LANED271) and then slide the pivot bushing (LANED277) inside.

Figure 4

Figure 5

Kit Installation

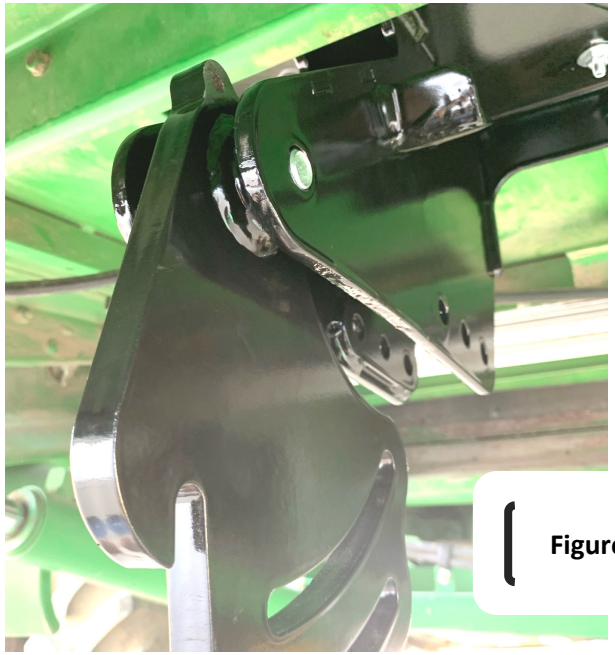


Figure 6

Refer to Figures 6—9

5. 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.
6. Hold the spring up with the legs around the main mount and the center bend in the arm’s hook as shown.
7. 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).
8. 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 7

Figure 8

Figure 9

Kit Installation

Figure 10

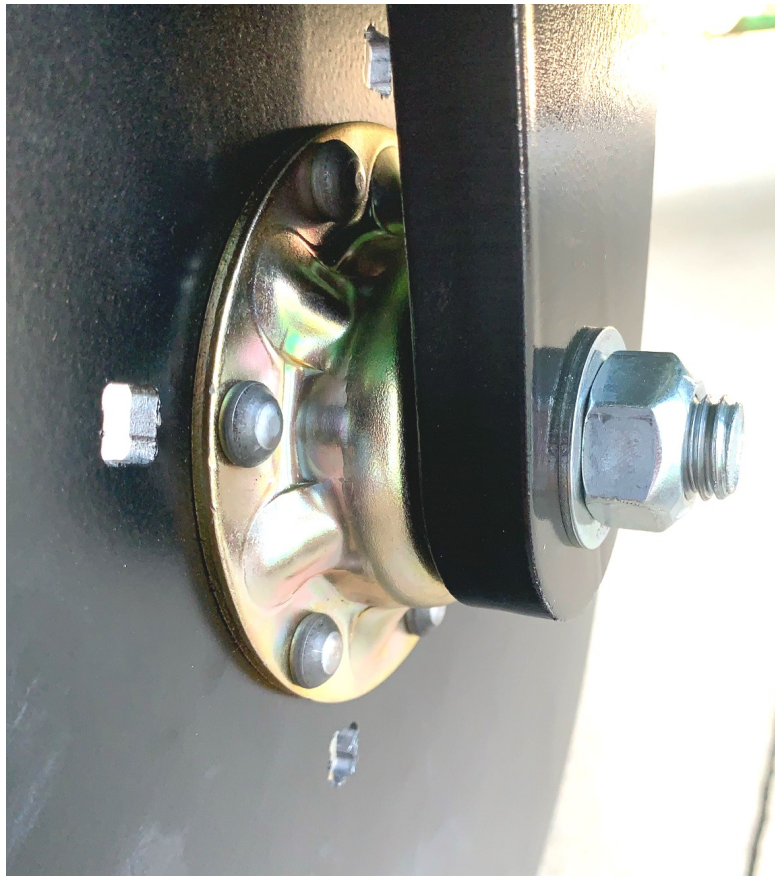
Refer to Figures 10—13

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

Figure 11

Figure 12

Figure 13



Kit Installation

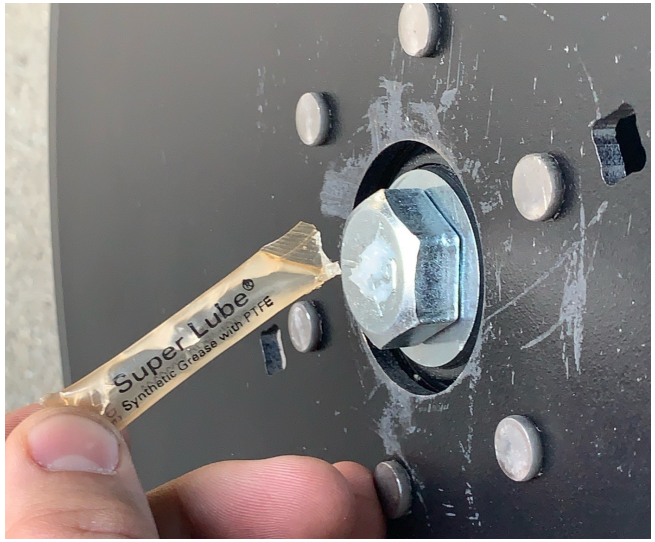


Figure 14

Figure 15

Refer to Figures 14—17

14. Apply some dielectric grease to the center of the head of the 5/8” bolt.
15. Apply a bead of dielectric grease to one side of the spacer (LANED275).
16. Flip it over and set it on the grounding plate (LANED276) as shown.
17. Apply another bead of dielectric grease to the side of the spacer.
18. 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 16

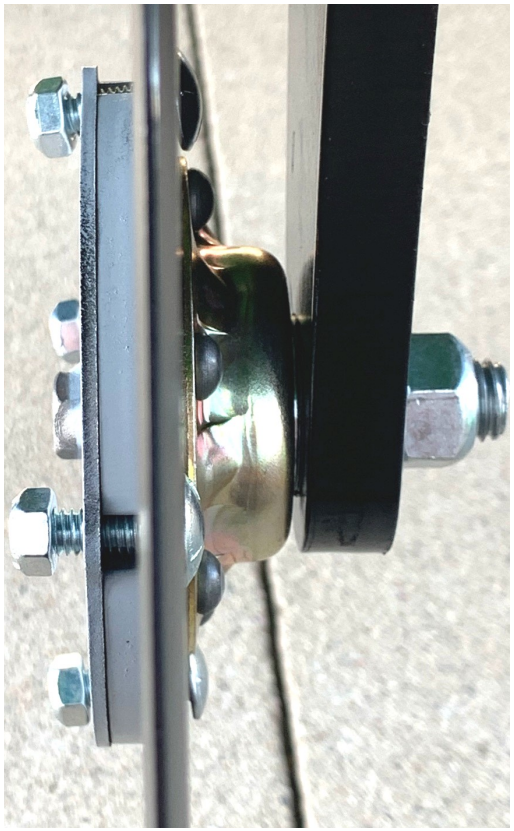


Figure 17

Refer to Figures 18—20

19. Screw the 3/8” nut (REDNAF3) onto the spring plunger (LAN8476A612) and slide the 3/8” lock washer (REDWL53) on as well.
20. Thread the plunger into the weld nut of the grounding plate until you feel the plunger tip contact the 5/8” bolt.
21. 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 18

Figure 19

Figure 20

Refer to Figures 21—23

22. The arm and mount have three positions for use.
    1) Sunflower Mode: the front slot (Figure 21)
    2) Soybeans & Corn Mode: the 2nd slot (Figure 22)
    3) Storage/Travel: the holes furthest from the pivot (Figure 23)

23. Use the 1/2” twist-lock pin to set the arm in the best position.

Figure 21

Figure 23

Figure 22

Refer to Figures 24—26

24. Crimp the ring terminals (LAN32704) to the ends of the 12 gauge wire (10ft of LANWG12-0).
25. Apply some dielectric grease to the threaded hole by the pivot point. If you wish, remove some paint and apply grease to the outside too.
26. Using a 5/16” x 1” hex bolt (REDB204) and top lock nut (REDKRJ8), connect one ring terminal to the dissipater arm.

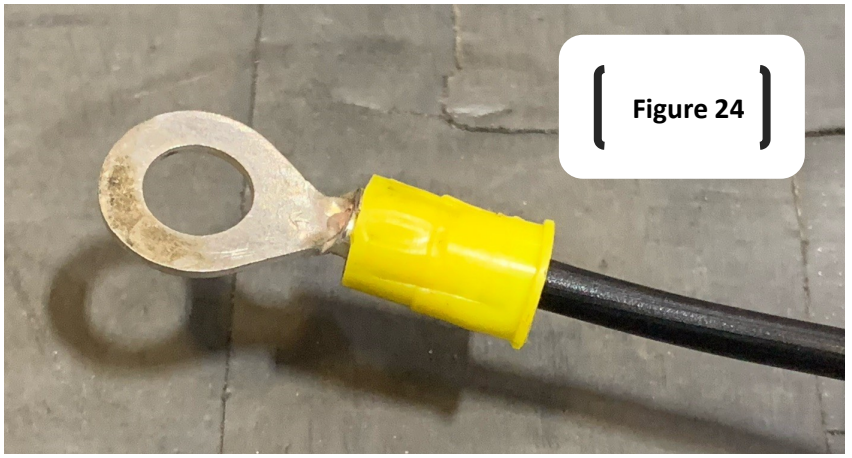


Figure 24

Figure 25

Figure 26

Kit Installation

Figure 27

Refer to Figures 27—31

27. Route the wire as shown and secure with zip ties.
28. Attach the ring terminal to the combine's existing ground point.
29. Secure the wire with zip ties.

Figure 31

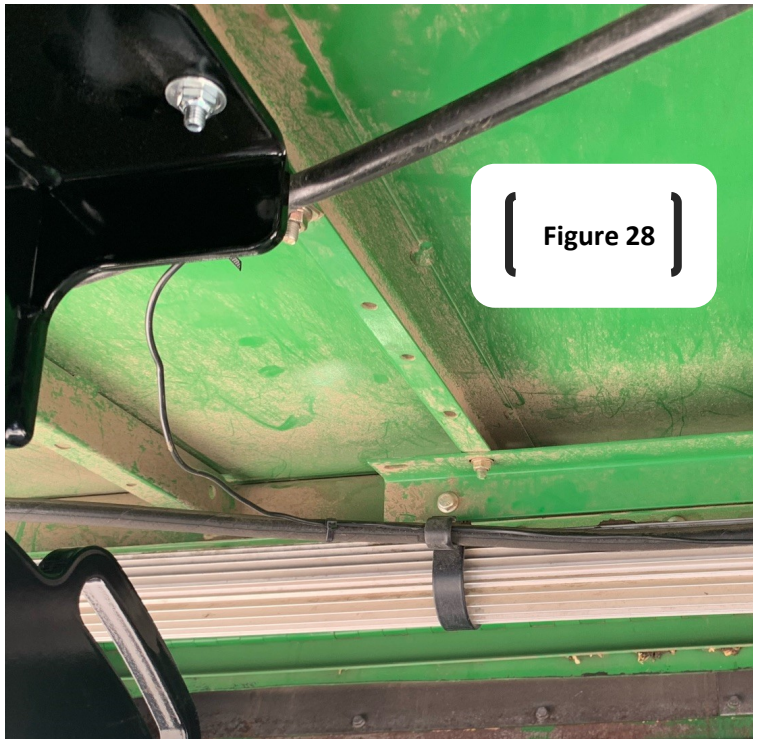


Figure 28

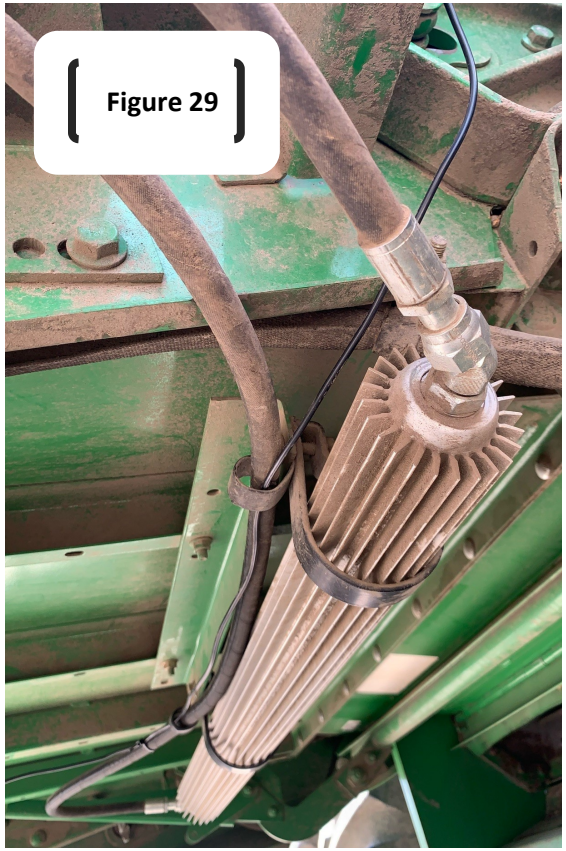


Figure 29

Figure 30

For further technical assistance,

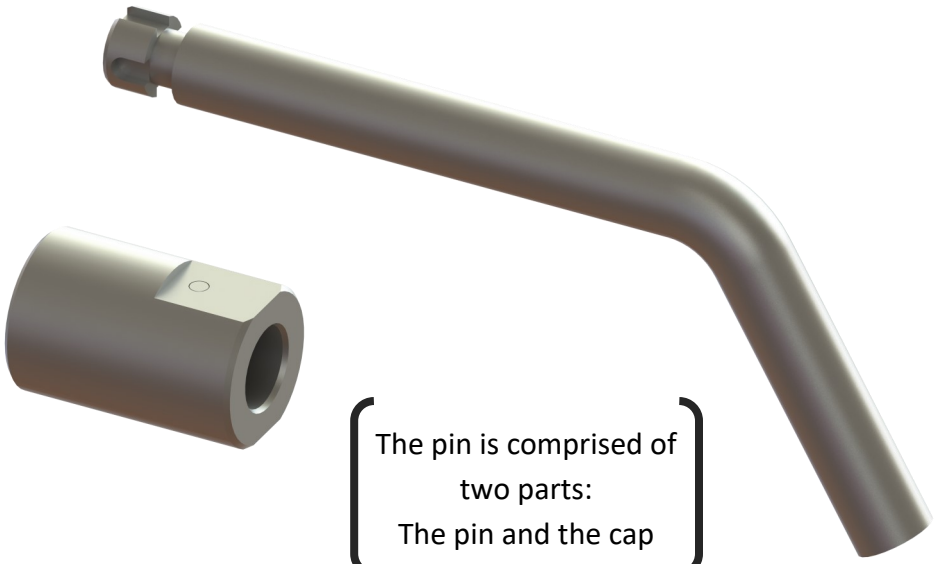
Call Lankota Inc. at:

1-866-526-5682

LANKOTA®

LANSS704 Instructions

Lankota 1/2" Twist-Lock Pin



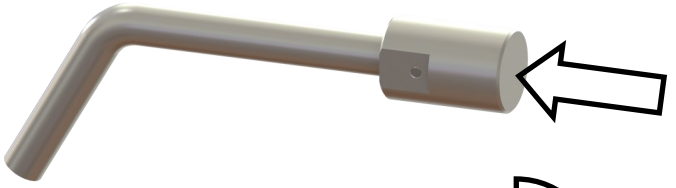
The pin is comprised of two parts:
The pin and the cap

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.

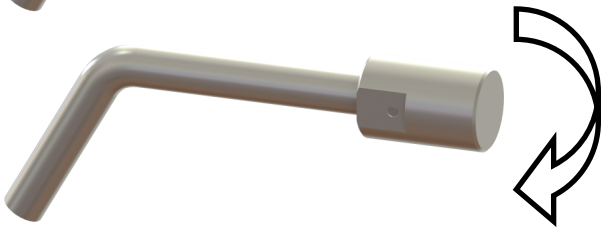
For any questions, please contact Lankota.

Removing LANSS704

Step 1: Push the cap in and hold.



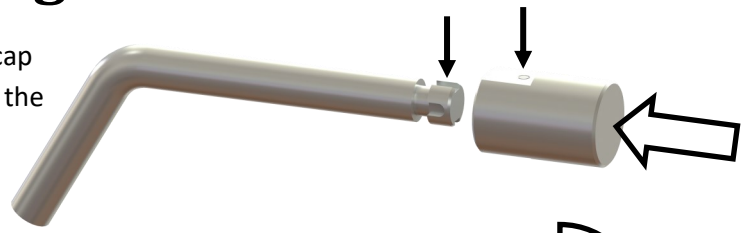
Step 2: Twist cap 90° left or right.



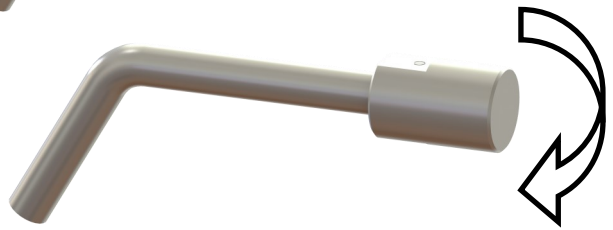
Step 3: Slide the cap off the pin.

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.