

# LANAUG1135K

## Installation Instructions

**NON HUR** Unloading Auger Extension for John Deere® 60 series & newer Combines

**\*\* FOR NON HIGH UNLOAD RATE AUGERS ONLY \*\***

# LANKOTA®

**270 West Park Avenue**

**Huron, SD 57350**

**866-526-5682**

# Numerical Parts List

<b>Part Numbers</b>	<b>Description</b>	<b>Quantity</b>
LANAUG129W	Extension Tube	1
LANAUG137W	Saddle Tube	1
LANAUG152W	Auger Flighting Extension Weldment	1
LANAUG160W	Bearing Hanger	1
LANAUGHUR-C	Access Cover	1
LANMOU20516GSA*	Bearing w/ Lock Collar	1
LAN52MM3ZP*	Bearing Flange	2
LANAUGHUR-JIG	Drill Jig for Auger Flighting Extension	1
LAN4A16A16*	5/16"-18 x 1-1/4" Carriage Bolt	3
LAN1616*	5/16"-18 Nylon Lock Nut	3
RED305K*	3/8"-16 x 1-1/4" Carriage Bolt	10
LAN3718*	3/8"-16 Serrated Lock Nut	14
LANFS105*	1/4" X 1-1/4" Socket Head Screw	1
LANFGXWV	5/16" Drill Bit	1

*\*included in bag of hardware.*

# Pictorial Parts List

			
LANAUG129W (1)	LANAUG137W (1)	LANAUG152W (1)	LANAUG160W (1)
			
LAN52MM3ZP (2)	LANMOU20516GSA (1)	RED305K (10)	LANAUGHUR-C (1)
			
LAN1616 (3)	LAN4A16A16 (3)	LAN3718 (14)	LANAUGHUR-JIG (1)
			
LANFS105 (1)	LANFGXWV (1)		

**Note: The Lankota bearing (LANMOU20516GSA) can be replaced with a John Deere bearing and lock collar (Part Numbers: JD8665 & JD8554 respectively) if it ever goes out.**

# 1. Auger Extension Kit

## Refer to Figures 1.1 to 1.3

- 1.1 Remove the plastic spout and factory grain saver door from the existing auger tube. Retain all hardware for re-use later in the installation. The factory bearing hanger and its hardware should remain fastened to the existing auger tube.
- 1.2 Evaluate the Flighting Extension Weldment (LANAUG152W) and determine how it should be timed with the main auger. **Timing auger extension:** The new flighting should **trail** the existing flighting by 90-180 degrees (Figure 1.2)
- 1.3 Determine and take note of which (2) faces of the main auger hex shaft the retaining bolt will pass through (Figure 1.3), then remove and set the flighting aside.



Figure 1.1



Figure 1.2



Figure 1.3



**Figure 1.4**

**Refer to Figure 1.4**

- 1.4 Remove the set screw from the flighting weldment hub and insert in the drill jig.
- 1.5 Install the jig onto the main auger hex shaft with the through-hole meeting the previously determined faces that will be drilled.
- 1.6 Slide the jig up to the bearing and tighten the set screw.

**Refer to Figures 1.5 & 1.6**

- 1.7 Drill out the shaft with the provided 5/16" drill bit.
  - Go very slow to begin.
  - Rotating the auger to drill through the auger tube cutout is required.
  - Drilling from both sides is recommended to minimize wandering.



**Figure 1.5**



**Figure 1.6**

**Refer to Figures 1.7 & 1.8**

**1.8** Remove the drill jig and reinstall the set screw in the flying hub.

**1.9** Attach the flying extension weldment (LANAUG152W) to the hex shaft of the existing auger, aligning the freshly drilled hole and weldment hub in the process.

**1.10** Install the 1/4" x 1.25" socket head bolt (LANFS105) into the hub and through the drilled channel of the hex shaft.

**1.11** Tighten the bolt and the set screw.

**Figure 1.7**



**Figure 1.8**



Refer to Figure 1.9 & 1.10

- 1.12 Slide the auger Saddle Tube (LANAUG137W) over the existing auger tube and temporarily secure with one 3/8" carriage bolt and serrated lock nut. Note in figure 1.9 that there are slots for the existing bearing hanger bolts to fit through on each side.
- 1.13 Slide the auger Extension Tube (LANAUG129W) into the auger saddle tube and align with the access door. Install an additional seven 3/8" carriage bolts and serrated lock nuts along the top rib of auger saddle tube. Tighten all hardware.
- 1.14 Install the Auger Flighting Extension Weldment (LANAUG152W) through the auger extension tube and align with the male hex shaft on the end of the existing auger. Use the access door on the side for assistance to lift and align the flighting extension.

**Timing auger extension:** The new flighting should **trail** the existing flighting by 90 – 180 degrees.

Note: See Figure 1.10 for an example of flighting trailing by 120 degrees.

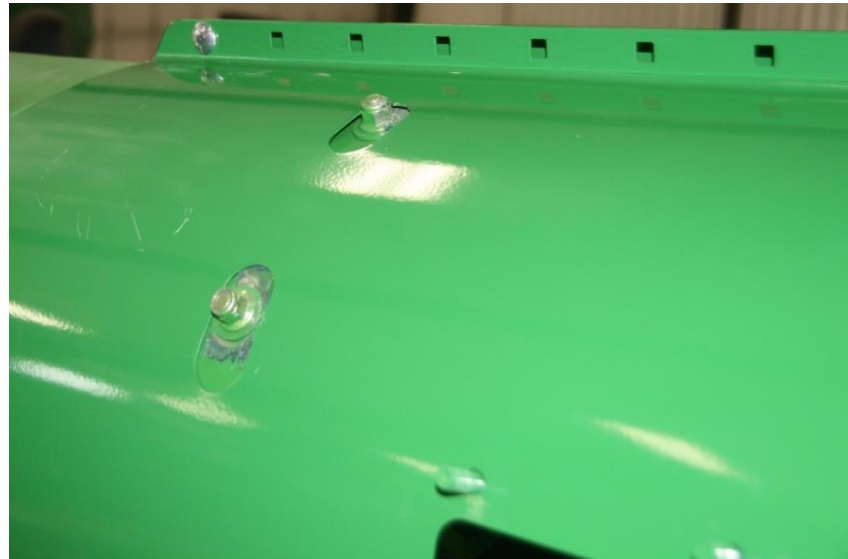


Figure 1.9

Figure 1.10



Refer to Figure 1.11 & 1.12

1.15 Install the Bearing Hanger (LANAUG160W) inside the auger extension tube. Note the positioning of the bearing hanger as shown in Figure 1.11. Secure bearing hanger to tube using two of the (RED305K) Carriage Bolts & two of the (LAN3718) Lock Nuts. Tighten all hardware. Support the end of auger flighting extension weldment to the bearing hanger with Bearing (LANMOU20516GSA) and Bearing Flanges (LAN52MM3ZP). Install the bearing onto the outer side of the bearing hanger and secure with three 5/16" carriage bolts and nylon lock nuts. Tighten all hardware. **Tighten both set screws on the bearing lock collar.**

1.16 Install Access Cover (LANAUGHUR-C) and secure with four 3/8" serrated lock nuts as shown in figure 1.12

1.17 Install the Lankota Grain Saver door kit (LANAUG1135GS) as supplied in a separate kit. Refer to the installation instructions as supplied with the kit.

*For more technical information, contact Lankota at 1-866-526-5682*



Figure 1.11



Figure 1.12

**WARRANTY STATEMENT:** LANKOTA WARRANTY ONLY COVERS PRODUCTS PRODUCED BY LANKOTA AND DOES NOT COVER PARTS MADE AND/OR SOLD BY AFTERMARKET MANUFACTURERS, OR THE ORIGINAL MANUFACTURER, OR THAT WERE PART OF THE ORIGINAL EQUIPMENT'S CONSTRUCTION.