LANCTW2800

Installation Instructions

Trailer wiring harness kit for 70 & S series combines equipped with Lankota rear combine hitch part number LANTH910 or LANTH400.

LANKOTA®

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Numerical Parts List

Part Numbers	***Description***	***Quantity***
LANCTW136W	Hitch Extension Cable Bracket	2
LANCTW154W	Wiring Harness Bracket Weldment	1
LANCTW177	Wiring Harness Shield (70 & S Series)	1
LANCTW201	Wiring Harness for 70 & S Series Combines	1
LANPLK11893	7-way socket body	1
LANCNK10110072EX	6 foot 7-Way extension cable	1
LANF0B1Z	10-24 X 3/4” Pan Head Phillips Machine Screw, Zinc	4
LANF0DNU	10-24 Nylon Insert Lock Nut, Zinc	4
LANFB220	5/16” - 18 X 5” G5 Hex Head Cap Screw, Zinc	2
LAN1616	5/16” - 18 Nylon Lock Nut	2
LANFH599K	M20 Flange Head Center Lock Nut	2
REDVTG5	24” cable tie	4

For further technical assistance, call Lankota at 1-866-526-5682

Pictorial Parts List

LANCTW136W (2)

LANCTW154W

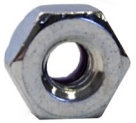
LANCTW177

LANCTW201

LANPLK11893

LANCNK10110072EX

LANF0B1Z (4)



LANF0DNU (4)

LANFB220 (2)

LAN1616 (2)

REDVTG5 (4)

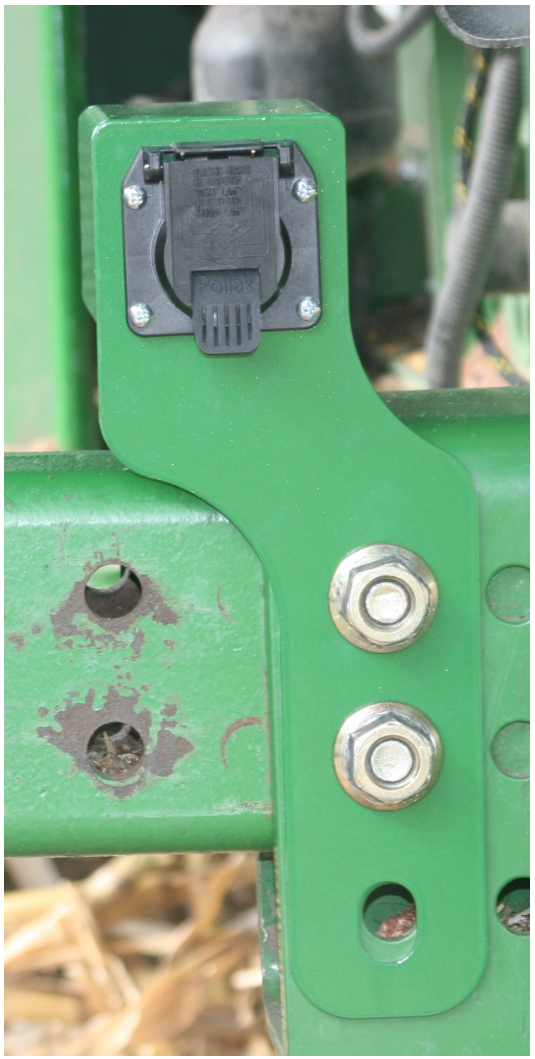
LANFH599K (2)

Installation

Refer To Figure 1.1

1. **Install 7-way Socket Body (LANPLK11893) into Wiring Harness Bracket Weldment (LANCTW154W) using four Machine Screws (LANF0B1Z) and Nylon Lock Nuts (LANF0DNU). Tighten all hardware.**

Figure 1.1



Refer To Figure 1.2 & Figure 1.3

2. **Remove the two outside most axel bolts on the left side of rear axle. Retain hardware for re-installation later in these instructions.**

   NOTE: It may be necessary to use a jack to take pressure off rear axle if bolts do not come out easily.

3. **Install Wiring Harness Bracket Weldment (LANCTW154W), with 7-way Socket Body (LANPLK11893) already installed, using the two bolts and nuts removed in step 1 of these instructions. Tighten all hardware.**

Figure 1.2

Figure 1.3

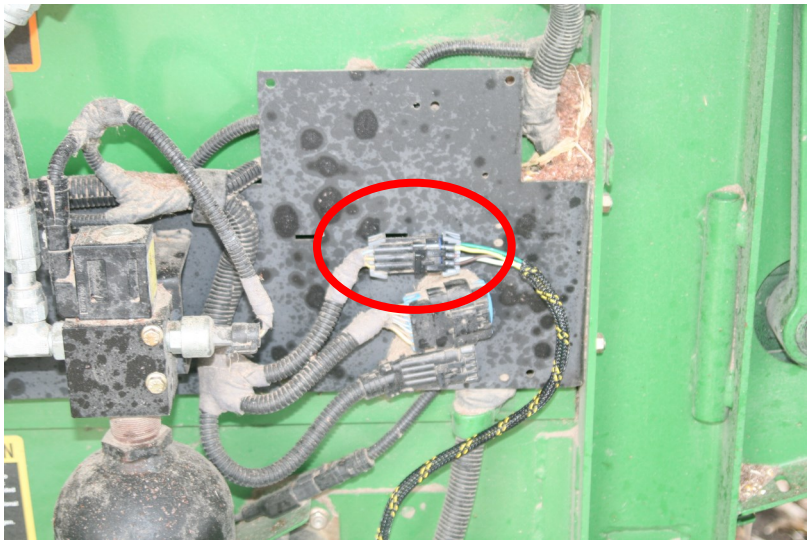
WIRING HARNESS FOR 60 & 70 SERIES COMBINES

Refer To Figure 1.4

4. **On left side of combine, open rear metal meshed shield exposing wiring harnesses as shown in Figure 1.4.**

5. **Remove dust cover from harness circled by the RED CIRCLE in Figure 1.4. Attach Wiring Harness (LANCTW201) to factory connector.**

Figure 1.4



Refer To Figures 1.5, 1.6 & 1.7

WIRING HARNESS FOR "S" SERIES COMBINES

4. **On left side of combine, open metal meshed shield in front of battery box exposing wiring harnesses as shown in Figure 1.5.**

5. **Remove dust cover from harness circled by the RED CIRCLE in Figure 1.7. Attach Wiring Harness (LANCTW201) to factory connector.**

Figure 1.5

Figure 1.6

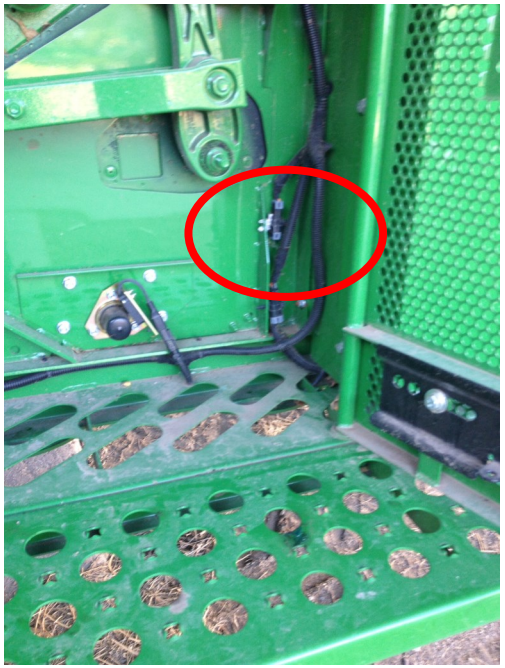


Figure 1.7

Installation

Refer To Figure 1.8 & Figure 1.9

6. **Route wiring harness as shown.**

7. **Connect harness to rear of 7-way Socket Body (LANPLK11893) installed into Wiring Harness Bracket Weldment (LANCTW154W).**

Figure 1.8

Figure 1.9

Refer To Figure 1.10

8. **Install Wiring Harness Shield (LANCTW177) using two M20 Flange Head Center Lock Nuts (LANFH599K). Tighten all hardware.**

Figure 1.10

FOR INSTALLATION ON A LANTH910 REAR TELESCOPING COMBINE HITCH:

Refer To Figure 1.11

9. **Route 6 foot 7 way extension cable (LANCNK10110072EX) through Rear Combine Hitch (LANTH910) pivot pin locking arm, telescoping locking handle and stationary pull handle as shown.**

10. **Connect 6 foot 7 way extension cable (LANCNK10110072EX) to 7-way Socket Body (LANPLK11893) installed into Wiring Harness Bracket Weldment (LANCTW154W).**

Installation complete for use with LANTH910 telescoping hitch.

For use with LANTH400 stationary hitch, continue to next page.

Figure 1.11

FOR INSTALLATION ON A LANTH400 REAR STATIONARY COMBINE HITCH:

Refer To Figure 1.12, Figure 1.13 & Figure 1.14

1. **Install two Hitch Extension Cable Brackets (LANCTW136W) to the LANTH400 hitch as shown using one 5/16" - 18 X 5" G5 Hex Head Cap Screw (LANFB220) and one 5/16" - 18 Nylon Lock Nut (LAN1616) per bracket. Tighten all hardware.**

2. **Route 6 foot 7 way extension cable (LANCNK10110072EX) through Rear Combine Hitch (LANTH400) as shown.**

Figure 1.12

Four 24" Cable Ties (REDVTG5) are supplied in this kit if you prefer to secure extension cable to hitch. However it is recommended to unhook extension from combine mounted socket whenever unhooking header trailer and leave extension with trailer. This will eliminate the possibility of the wiring extension being damaged from straw chopper debris.

Figure 1.13

Figure 1.14