

**Lankota, INC.**

**LAN – 84211-4.5**

**Cutting Platform Wedge Kit  
4.5 Degree Angle Addition**

**Installation Instructions**

**LAN – 84211-4.5**  
**Parts break down list**

 <p>*LAN – 19M7843</p>	 <p>*LAN – 19M7827</p>	 <p>LAN - 205652</p>
 <p>*LAN – 201027</p>	 <p>*LAN – SM8P7</p>	 <p>6 each  LAN - 205605</p>
 <p>LAN - 205624</p>	 <p>LAN – 205653</p>	 <p>LAN – 206182</p>
 <p>LAN – 206179</p>	 <p>LAN – 206184</p>	 <p>LAN – 205484</p>
 <p>*LAN – 19M7803</p>	 <p>*LAN – 19M7868</p>	

**\* Items are included in bag of hardware**

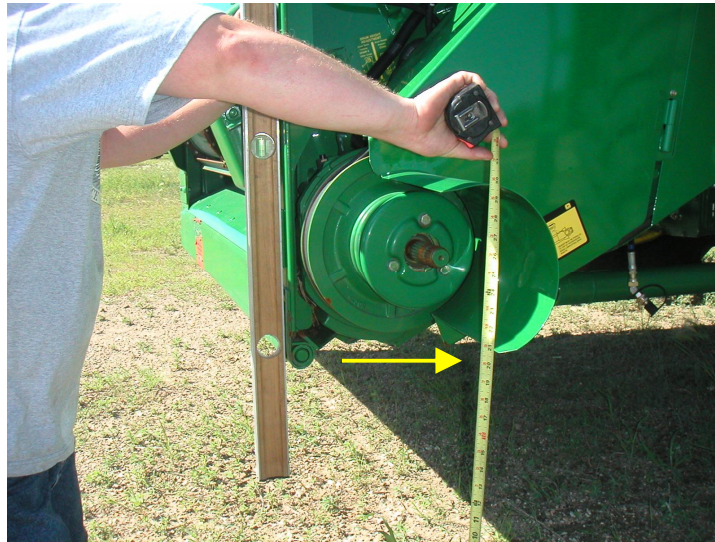
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## Preparation

1. Position Combine on level ground with the platform removed.

## Determine the Correct Amount of Angle

1. Position the feeder house so it is perpendicular to the ground. Use a level on front surface of feeder house to obtain this, see figure below.
2. Measure from center of driveshaft to the ground as in figure below.



3. From the following table determine correct wedge angle to install.

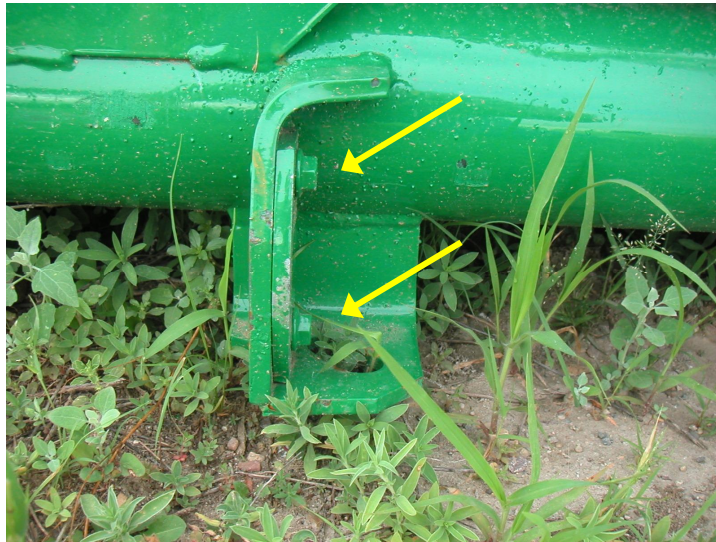
**Table 1**

STS Combines		CWS and CTS Combines	
Figure A	Wedge Angle	Figure A	Wedge Angle
Less than 28 In	0	Less than 21.5	0
28 – 30.5	1.5	21.5-29.5	1.5
30.5-32.5	3	29.5-31	3
More than 32.5	4.5	More than 31	4.5

## Installing the Cutting Platform Wedge Kit

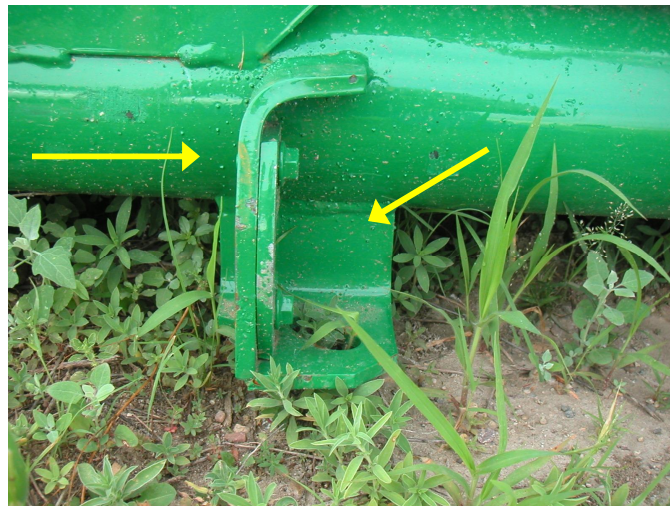
Platform must be removed from combine and placed on header trailer or safely on secure blocks to allow ample room to perform this procedure.

1. Remove both wear plates from header attach brackets by removing the two nuts and bolts. Obtain wear plates for reassembly later in these directions. (See **Figure A**)



**Figure A**

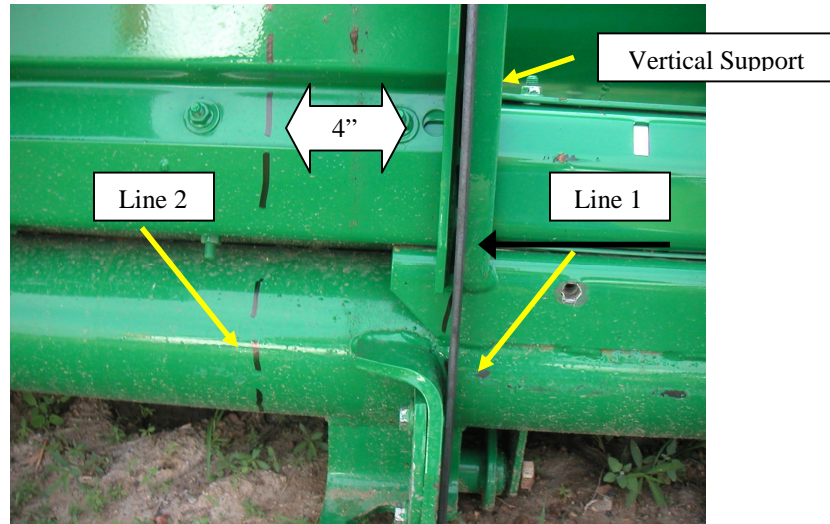
1. Remove existing header attach brackets from 5" tube with a cutting torch. (See **Figure B**) **Do not cut or grind into 5" mainframe tube.** Do this in a properly ventilated area with safety glasses & proper safety equipment.



**Figure B**

2. Once support bracket is removed grind away all loose slag and metal so it is flush with 5" tube.

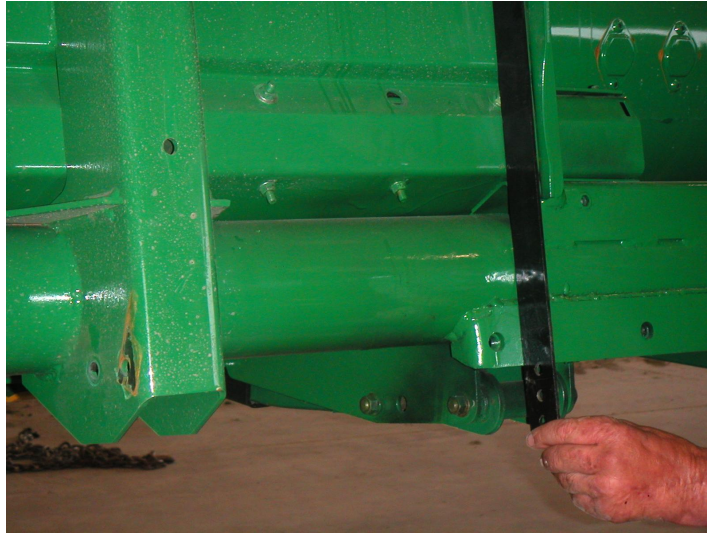
- Using a straight edge, draw a vertical line from **left hand** side of vertical support on **left hand** side of header down across the 5" tube (See **Figure C Line 1**).
- Using a straight edge, draw a vertical line from **right hand** side of vertical support on **right hand** side of header down across the 5" tube (See **Figure C Line 1**).



**Figure C**

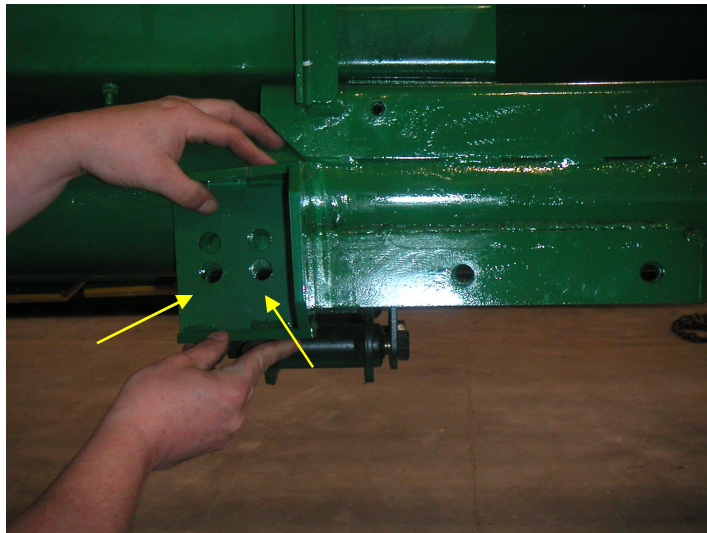
- From the line marked on the 5" tube measure over four inches towards outside of header and draw another line parallel with the first line. Repeat for right hand side of header as well. (See **Figure C Line 2**)
- Position Bracket (**LAN-205484**) parallel to 5" tube on left side of feeder house opening. Position Bracket (**LAN-206184**) parallel to 5" tube on right side of feeder house opening using a straight edge. See (**Figure C1**). Bracket must be flush with line 2 in **Figure C**.

7. Place the brackets on the marked lines and tack weld in place (See **Figure C1**). Double check to make sure positioning is correct.



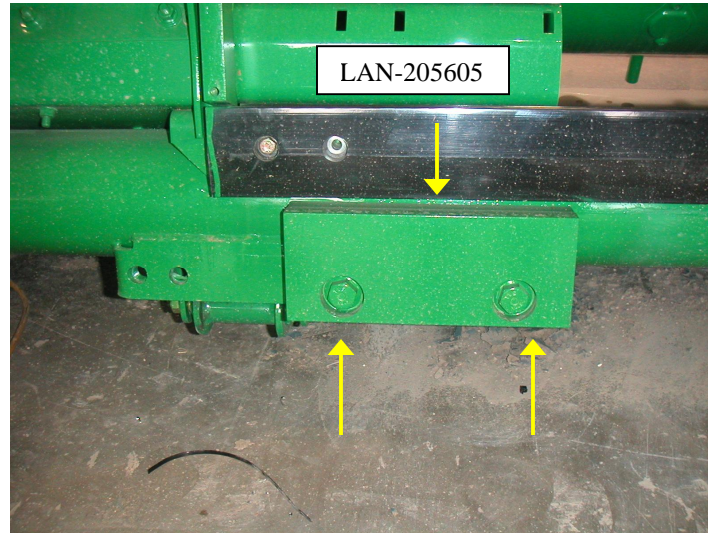
**Figure C1**

8. Continue welding the bracket on each end, across the entire top and the inside gusset.
9. To prevent rust, clean, prime and paint the affected areas.
10. Attach Wedge Brackets (**LAN-206182**) to the 5" tube bracket as shown in **Figure E**. Mount with 2 Bolts (**LAN-19M7843**) on each side as shown with the backs of the brackets towards the center of the head. Attach original wear brackets using original hardware removed from **Figure A**. **Note: Zero degree Wedge Brackets (LAN-206179) are included in bundle so platform may be converted back to its original angle if necessary.**



**Figure E**

11. Attach three Spacer Blocks (**LAN-205605**) to both 5" tube brackets with 2 Bolts (**LAN-19M7827**) on each side. (See **Figure F**)



**Figure F**

### Horizontal Seal Application

1. Temporarily attach small Seal (**LAN-205653**) to header using the 4 holes with RIVNUTS already provided in header with 4 Bolts (**LAN- 19M7868**). (See **Figure G & H**) (If RIVNUTS do not match up, see NOTE.)
2. Mark the other four holes through seal on head and center punch. Remove small seal.
3. Using a 7/16 drill bit, drill the four new holes. (See **Figure H**) Install four RIVNUTS (**LAN-SM8P7**) in newly drilled holes. If you do not have the special tool to expand RIVNUTS, you can spot weld the RIVNUT in two places then use an 8 mm bolt and 6 washers to expand it. After expanding, grind spot welds flush and paint.
4. Reinstall small Seal (**LAN-205653**) to header using the 4 holes with RIVNUTS already provided in your 60 series head with 4 Bolts (**LAN- 19M7868**). Install large Seal (**LAN-205652**) (note positioning) to small seal and into newly installed RIVNUTS using 4 Bolts (**LAN-19M7803**). (See **Figure G & H**)

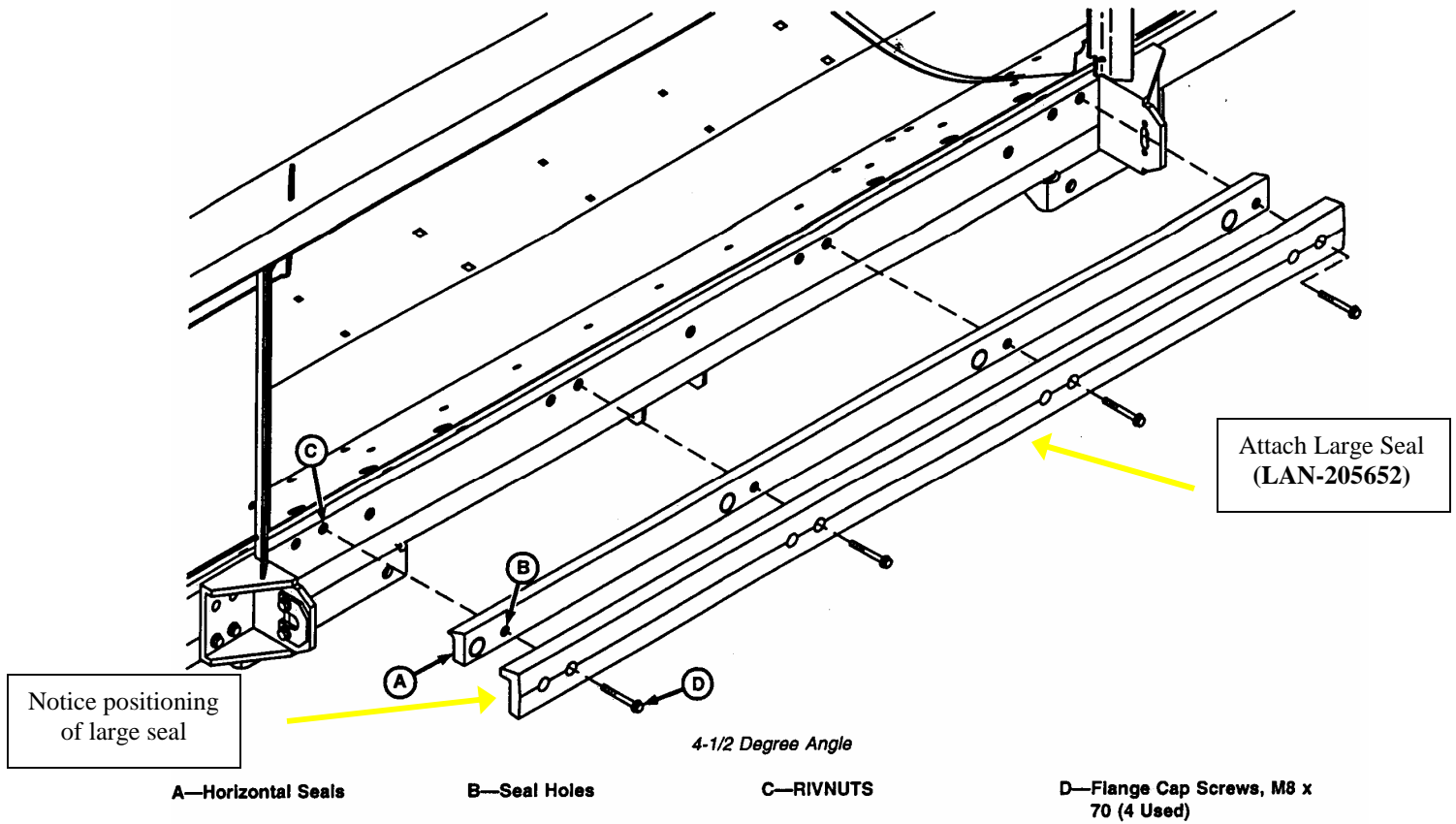
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**NOTE:**

- A. Some earlier serial number heads may not have correct RIVNUT spacing for seal attachment. Therefore we have provided extra RIVNUTS with this kit. If new spacing of RIVNUTS is required, follow these instructions:
  - B. Align and center small Seal (**LAN-205653**) on feed floor back between vertical supports. Mark the four holes through seal on head and center punch. Remove small seal.
  - C. Using a 7/16 drill bit, drill the four new holes. (**See Figure H**) Install four RIVNUTS (**LAN-SM8P7**) in newly drilled holes. If you do not have the special tool to expand RIVNUTS, you can spot weld the rivnut in two places then use an 8 mm bolt and 6 washers to expand it. After expanding, grind spot welds flush and paint.
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**FACTORY INSTALLED RIVNUTS****Figure G**





**Install Horizontal Seals For 4-1/2 Degree Angle**

1. Align horizontal seals (A) with feed floor making sure curved edges of seals are oriented as shown.
2. Align right-hand set of seal holes (B) with right-hand set of RIVNUTS (C).
3. Install four M8 x 70 flange cap screws (D).

**Figure H**

## Installing Vertical Seals

### 1. REFER TO FIGURE I

Measure from the bottom edge of vertical support up on each side of feeder house opening and place a mark at 34mm (**Dimension A**), measure up from that point 175 mm (**Dimension B**) and mark, measure up from that point 150mm (**Dimension C**) and mark. Now center all holes in vertical support by measuring out from inside of vertical support 10 mm. After checking measurements and centering, drill at three marks with an 11/32" drill bit. Repeat for other side.

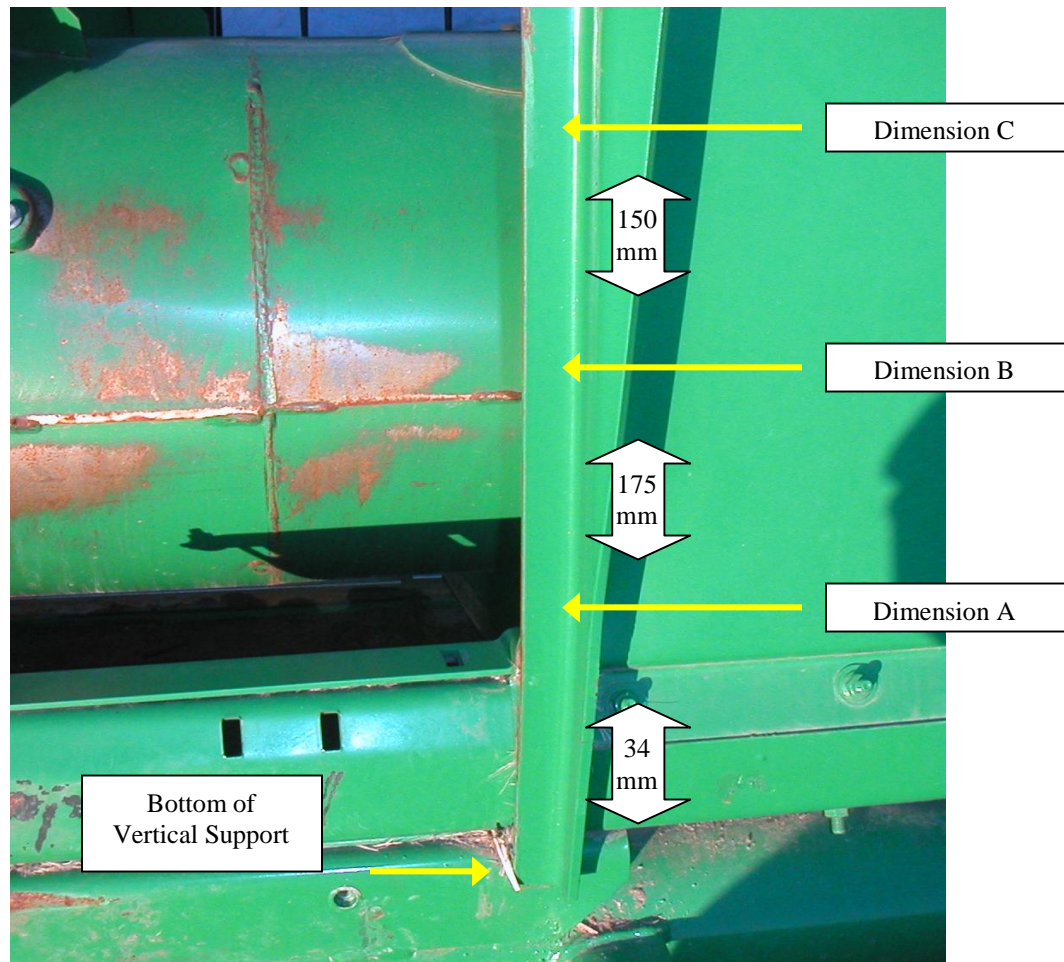
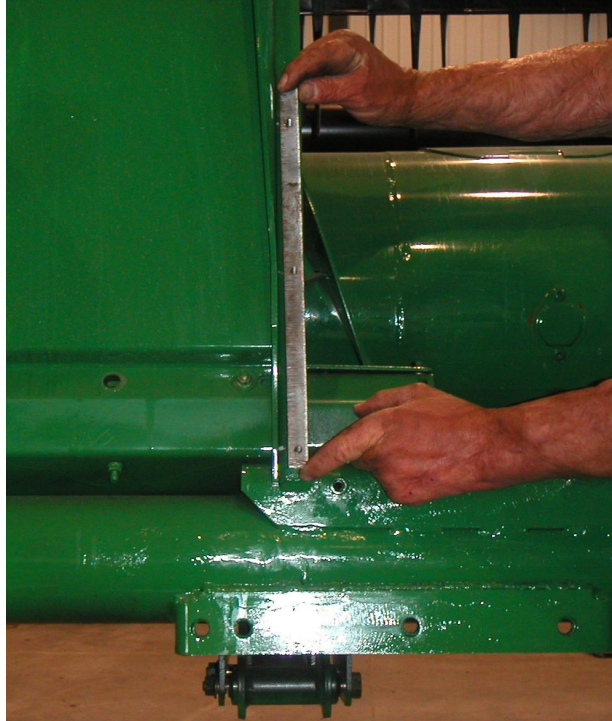


Figure I

2. Align Vertical Seals (**LAN-205624**) (narrow end up) with feeder house vertical support and install with 3 Bolts (**LAN-H201027**). Repeat procedure on right side of header. (See **Figure J**)



**Figure J**

3. After all seals are installed, inspect for gaps and caulk as necessary.

\* Note it will be necessary to block front of head to facilitate unhooking and hooking up when placing on a flat surface.

**For further technical information you may contact:**

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