



INSTRUCTIONS 360 Y-DROP®

JOHN DEERE 4730/4830



INSTRUCTIONS

360 Y-DROP

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+ INTRODUCTION

- + Before beginning, it's important to know where each mounting bracket fits relative to the row spacing involved. The 360 Y-DROP unit should be precisely centered on the machine, as this is critical to the assembly of the system to the sprayer and for mounting the system to your sprayer boom. There are, however, many boom variations among all sprayer models. Your sprayer may not be identical to the model in the following steps of the guide, and the pictures may not exactly reflect your model. While these steps will help you install most of your 360 Y-DROP system, you may need to custom-fit some components with your particular boom.

+ RECOMMENDED TOOLS

- + Ratchet wrench with 1/2" and 9/16" deep well sockets
- + 3/8" 12-point socket
- + 1/2" and 9/16" combination wrenches
- + Drill with 7/16" drill bit

+ TORQUE VALUES

- + Refer to these torque values when tightening all fasteners

+ 5/16" stainless	U-bolt	15 ft/lbs
+ 5/16" stainless	Set screw	15 ft/lbs
+ 3/8" carbon	U-bolt	35 ft/lbs
+ 5/16" carbon	U-bolt	30 ft/lbs
+ 5/16" carbon	Stop bolt	30 ft/lbs

+ QUESTIONS

- + Call our Product Support team at 888-512-4890

I.

ESTABLISH
DROP LOCATIONS

Figures 1 and 2

Step 1 Locate the center of the machine and identify the location of all the drops. On the sprayer boom, mark where each riser mount will be located. This will ensure that the extension tubes will not interfere with the riser mounts.

Figure 3

Step 2 Starting at the wing fold pivot pin on the primary boom, measure and mark points at 32", 86", 156", 213" and 277" (all measurements are $\pm 5"$). Repeat for the other primary boom.

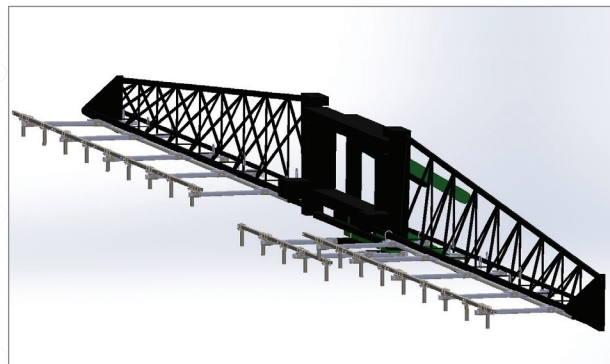


Figure 1

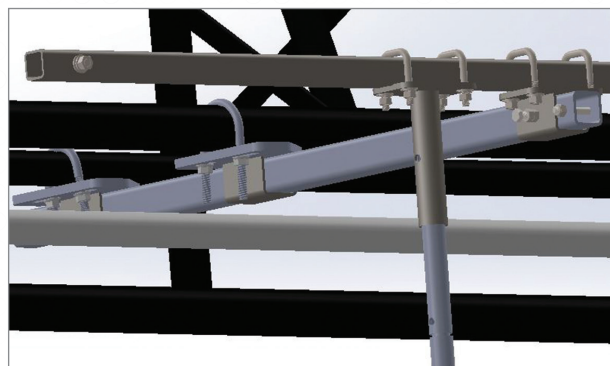


Figure 2

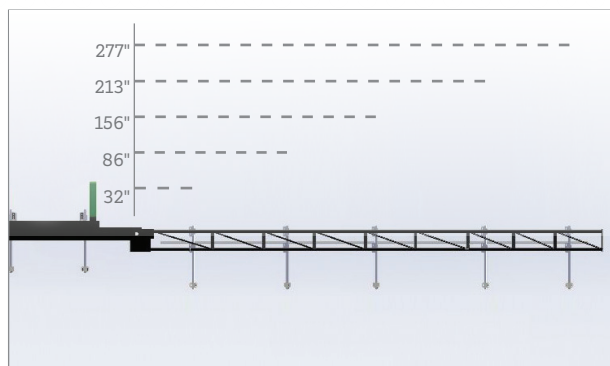


Figure 3

II.

INSTALL WET BOOM
SPACER PLATE

This process will create the clearance necessary for the new square tube and wet boom assembly.

Figure 4

Step 1 Remove bolt assemblies (1).

Figure 5

Step 2 Install two 4" spacer plates (1).

From Center Section Kit

Step 3 Install 5/16" x 2" bolts (2) with flat washers on the top and bottom and the Nylock nut.

Hardware Kit B from Center Section Kit

Repeat Steps 1-3 for all wet boom support assemblies.

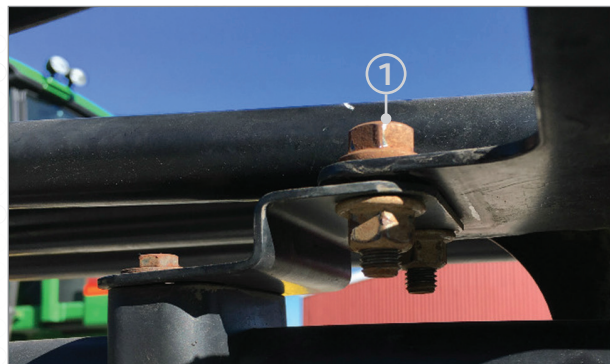


Figure 4

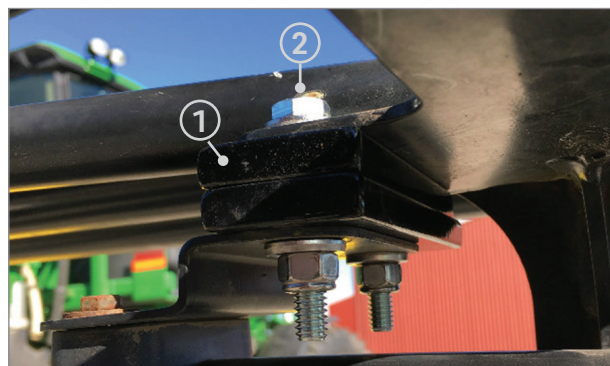


Figure 5

III.

INSTALL NEW SQUARE TUBE
BRACKET ON OEM PRIMARY BOOM

Figures 6 and 7

To prepare for the steps that follow, you will need to drill a 7/16" hole 84" +/- 6" from the pivot pin on the OEM Primary boom (1). This will allow for the installation of the second mounting position of the U-bolt on the rear OEM boom.

Figure 8

Step 1 With the threads pointing down, install U-bolt (1) on front OEM boom. Install bracket assembly (2) and the nuts onto the front OEM boom.

Bag AA

Step 2 With the threads pointing down, install U-bolt (3) over the rear OEM boom. Install bracket assembly (4) and nuts onto the rear OEM boom.

Bag EE

Step 3 Install extension tube (5) into bracket assemblies (2) and (4).

Step 4 Install 360 Y-DROP boom bracket (6) onto extension tube (5).

Bag BB

Step 5 Install set screw (7).

Hardware Kit A within Bag BB

Figure 9

Step 6 Install set screws (8).

P/N 207042 Hardware Kit D
within OEM Boom Bracket Kit

Step 7 Install stop bolt assemblies (9) at the front and rear of the extension tube.

Hardware Kit B within Bag BB

Repeat Steps 1-7 for the remaining sprayer mount packages.



Figure 6

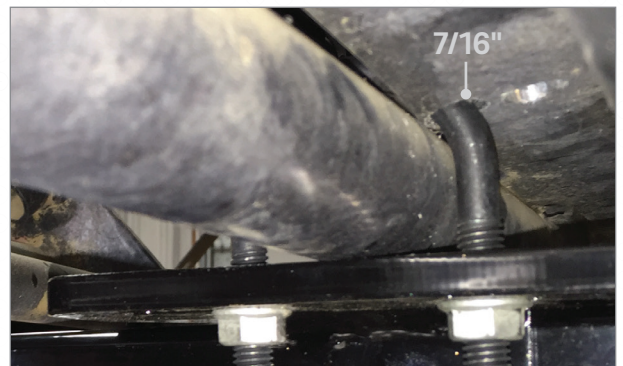


Figure 7

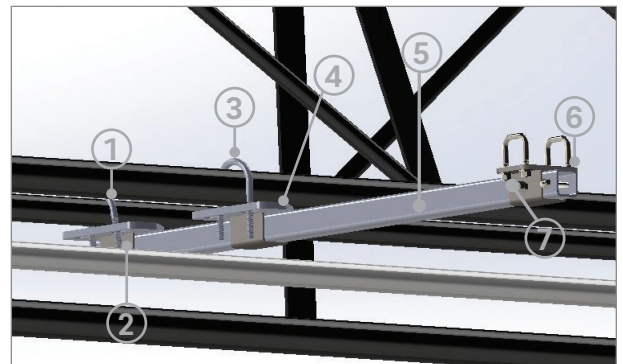


Figure 8

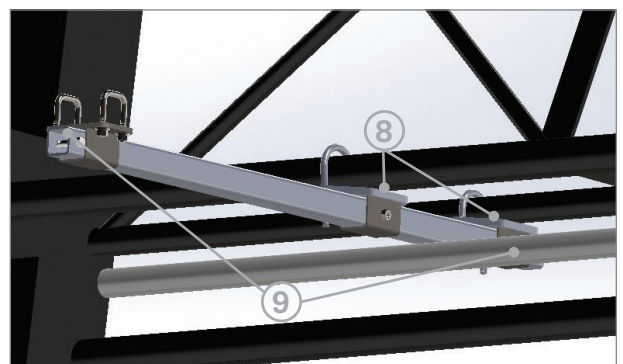


Figure 9

IV.

INSTALL
CENTER SECTION

Figure 10

Step 1 Install 6-inch top plate (1) and 14-inch top plate (2) using the supplied hardware.

Step 2 Install bracket assemblies (3).

Figure 11

Step 3 Install extension tube (1).

Step 4 Install 360 Y-DROP boom bracket (2) on extension tube (1).

Bag BB

Step 5 Install stop bolt assemblies (3).

Hardware Kit B within Bag BB

Figure 12

Step 6 Install set screw (1) and stop bolt assemblies (2).

Hardware Kit D within the Center Section Kit

Repeat steps 1-6 for the remainder of the center section.

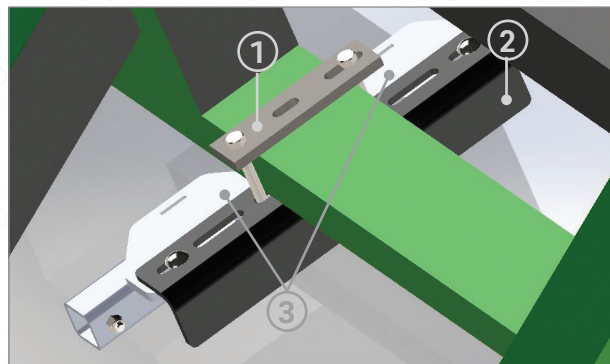


Figure 10

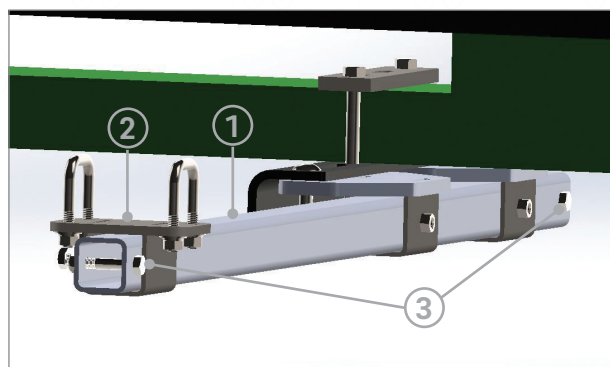


Figure 11

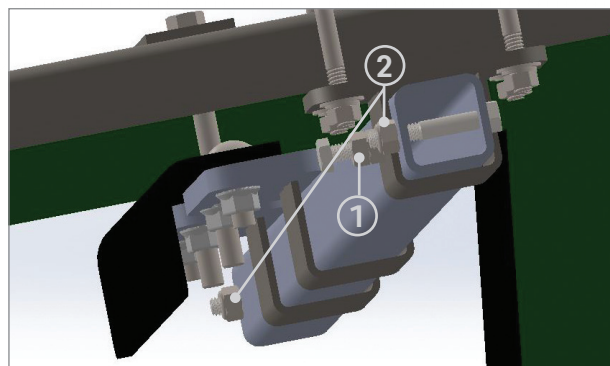


Figure 12

V.

INSTALL 360 Y-DROP
BOOM

Figure 13

Step 1 Assemble 5' boom sections (1) utilizing 8" boom connectors (2) and the supplied hardware.

Hardware Bag CC

Step 2 Repeat Step 1 as needed in order to assemble the entire 360 Y-DROP boom.

Step 3 Set the 360 Y-DROP boom assembly onto boom bracket (3).

Repeat Steps 1 -3 for the remaining boom assemblies.



CAUTION: The 360 Y-DROP boom assembly may weigh up to 150 lbs. (68 kg). Exercise caution and enlist help for this process.

Figure 14

Step 4 In order to span the full length of the center section 360 Y-DROP boom, you will need to cut and drill one of the 5' boom sections to 1'. Mount this 1' section between two full 5' boom sections. Drill a 7/16" through hole centered 2" from the outside edge.

Figures 15 and 16

Step 5 Install square U-bolt (1), the 5/16" extra thick washers, and the 5/16" nuts over the 360 Y-DROP boom (2).

Hardware Kit A

Step 6 Install stop bolt (3) at the both the front and the rear of the extension tube. Repeat for remaining stop bolts.

Hardware Kit B

Step 7 Install stainless steel set screw and jam nut assembly (4). See Figure 16 for detail. Repeat for the remaining mount assemblies on the primary boom.

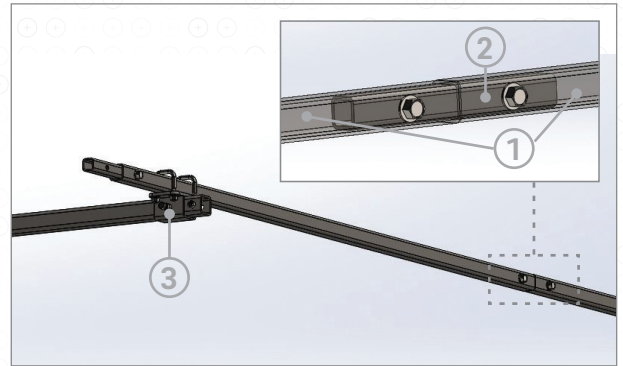


Figure 13



Figure 14

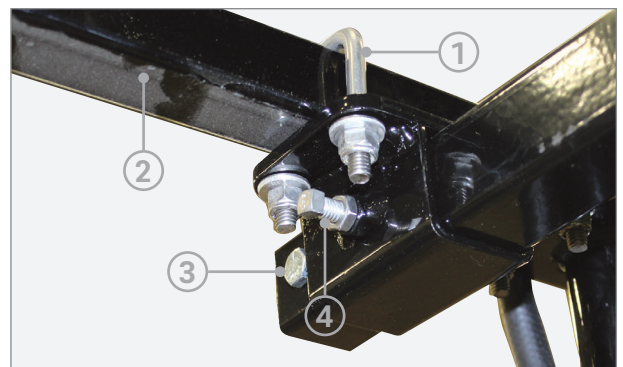


Figure 15

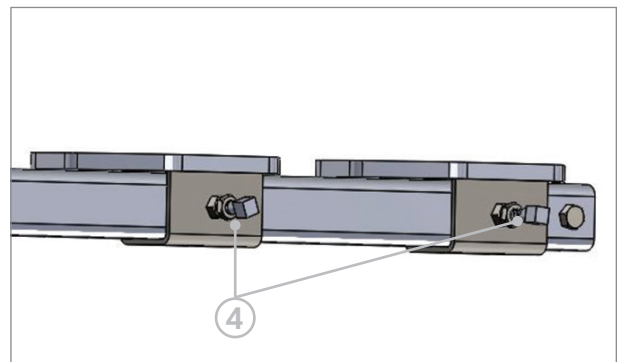


Figure 16

VI.

INSTALL
RISER MOUNTS

Figure 17

Step 1 Install riser mount (1) using the square U-bolts (2) and the extra thick washer and Nylock nut. Repeat for the remaining riser mounts.

Hardware Kit C

Figure 18

Figure 18 may show more or fewer riser mounts than your installation. The alignment and quantity of the riser mounts will depend on your row spacing.

Figure 19

Step 2 Install riser tube assembly (1) into the riser mount (2).

Step 3 Install pin (3).

Repeat Steps 2 and 3 for the remaining riser tube assemblies.

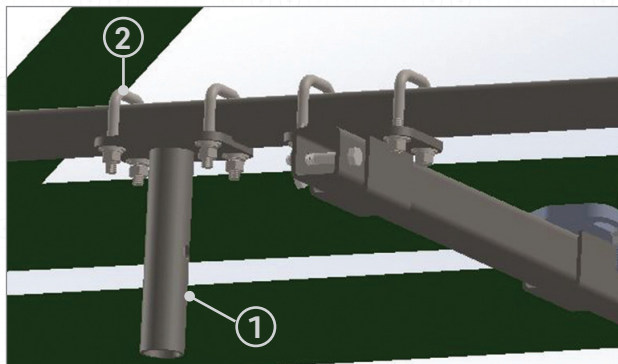


Figure 17



Figure 18

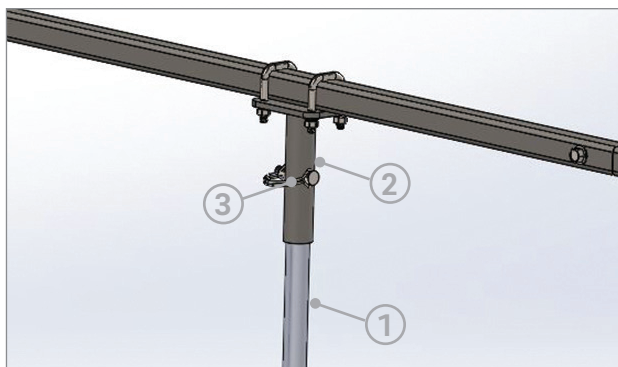


Figure 19

VII.

INSTALL SHIELDS AND
RISER HOSES

Figure 20

Step 1 Install shield (1) onto riser tube (2).

Figure 21

Step 2 Install base unit (1) onto riser tube (2).

Figure 22

Step 3 Assemble drag hoses (1) to 360 Y-DROP base and secure with hose clamps (2).

Figure 23

Step 4 Note the orientation of the drag hose clamps. The tails should point inward.

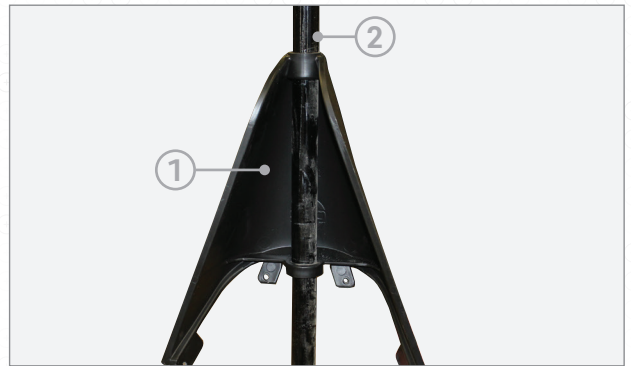


Figure 20

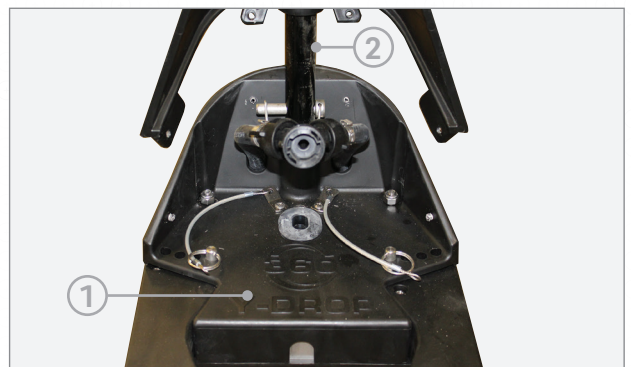


Figure 21

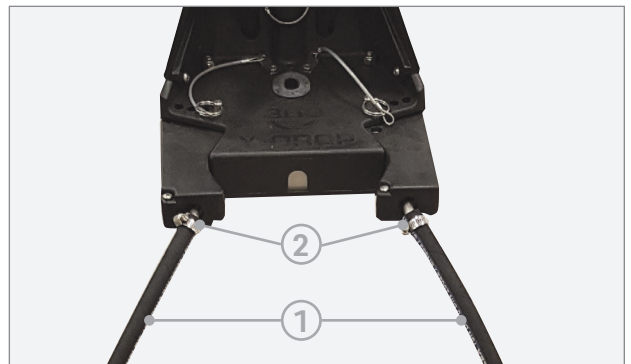


Figure 22



Figure 23

VI.

INSTALL SHIELDS AND
RISER HOSES *(continued)*

Figure 24



CAUTION: Do NOT use a drill or impact driver for Steps 5 and 6.

Step 5 Install two ½" screws (1).

Step 6 Install two ¾" screws (2).

Step 7 Install rubber washer (3) into the "Y".

Figure 25

Step 8 Install riser hose assembly (1) into the "Y".

Figure 26

Step 9 Route riser hose assembly (1) as shown in Figure 26.

Step 10 Install the riser hose assembly to the OEM nozzle body.

Step 11 Use 3 equally spaced plastic ties to secure the riser hose assembly.

Repeat Steps 1-11 for the remaining 360 Y-DROP Shields.

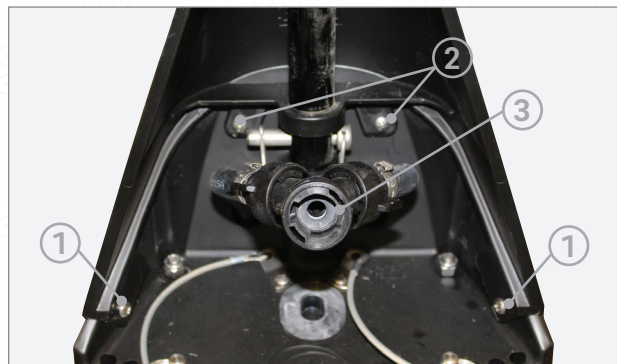


Figure 24

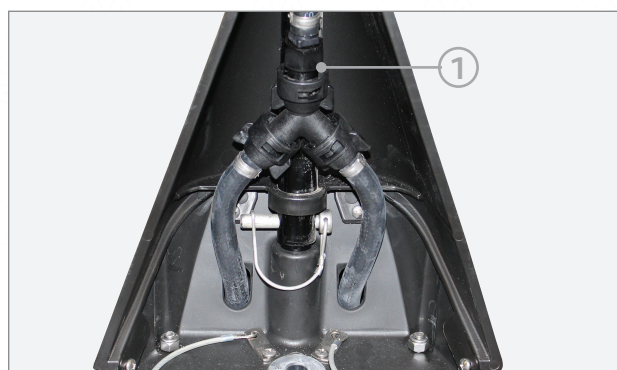


Figure 25

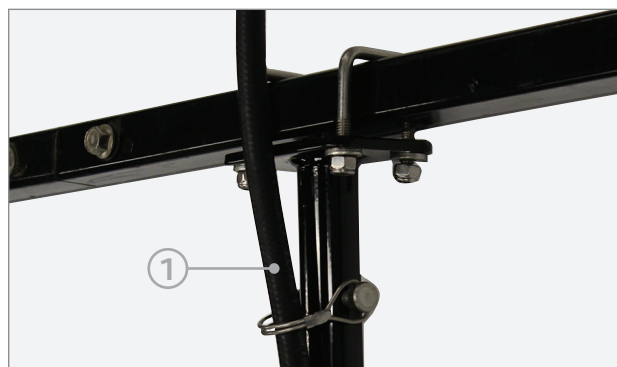


Figure 26

⊕ INSTALLATION COMPLETE.

