



# INSTRUCTIONS 360 Y-DROP® SQUARE TUBE UPGRADE

CASE 80'-90' BOOM

# INSTRUCTIONS

## 360 Y-DROP

### SQUARE TUBE UPGRADE

#### CASE 80'-90' BOOM



Figure 1 Before upgrade



Figure 2 Upgrade completed

#### ⊕ 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

#### ⊕ 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. REMOVE RISER TUBE ASSEMBLIES

Follow these steps to remove each riser tube assembly:

Figure 3

**Step 1** Remove pin (1).

**Step 2** Remove riser tube assembly (2).

Repeat Steps 1-2 for all riser tube assemblies.

Retain riser tube assemblies for later reinstallation.



Figure 3



Figure 4

## II. INSTALL MOUNT ASSEMBLIES ON THE OEM PRIMARY BOOM

**NOTE:** Replace one Z-bar assembly one at a time. The square tube upgrade mount assemblies will be installed in the same location.

Figure 4

**Step 1** Remove U-bolt (1).

Figure 5

**Step 2** Remove pins (1) and yoke strap assembly (2). Repeat for remaining yoke strap assemblies.

**NOTE:** These yoke strap assemblies will not be used for the square tube upgrade and may be discarded.



Figure 5



## II.

INSTALL MOUNT ASSEMBLIES  
ON THE OEM PRIMARY BOOM *(continued)*

Figure 6

**Step 3** Remove the two 3/8" bolt assemblies (1), 5" top plate (2), Z-slider (3) and Z-bar (4). Repeat for the remaining mount assemblies on the OEM primary boom.

Figure 7

Figure 7 shows size and location of U-bolts for OEM primary boom. The opposite arm of the central section will follow the same pattern as the arm shown.

Figure 8

**Step 4** With the threads pointing up, install square U-bolt (1) on the bottom side of the OEM primary boom.

Bag AA

**Step 5** Install bracket assembly (2) and flange lock nut (3).

Hardware Kit D

Repeat Steps 4 and 5 for the other OEM mount bracket kit.

**Step 6** Install extension tube (4).

**Step 7** Install boom bracket (5) onto the extension tube.

**Step 8** Install stop bolts (6) at both the front and the rear of the extension tube.

Hardware Kit B

**Step 9** Install stainless steel set screw and jam nut assembly (7).

Repeat Steps 1-9 for the remaining mount assemblies on the OEM primary boom.



Figure 6

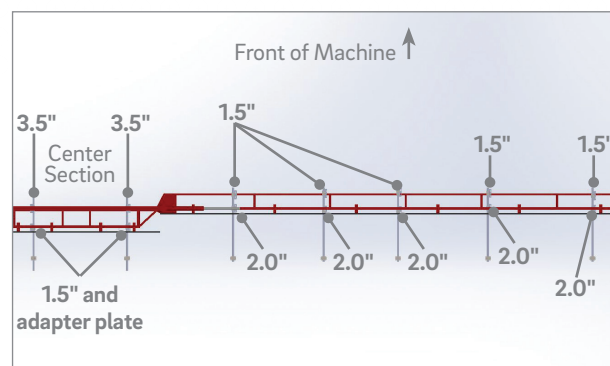


Figure 7

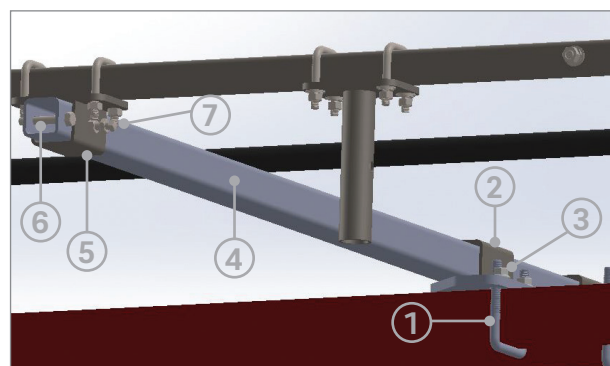


Figure 8

## III.

INSTALL CENTER SECTION  
SQUARE TUBE UPGRADE

In preparation for the center section installation:

Figure 9

- Step 1** Remove the two 3/8" bolt assemblies (1), two 6" top plates (2), Z-slider (3) and Z-bar (4).

Figure 10

Refer to Figure 7 for U-bolt locations.

- Step 2** With the threads pointing up, install square U-bolt (1) on the front OEM center section boom.
- Step 3** Place bracket assembly (2) into position and install 3/8" flange nuts (3).
- Step 4** With the threads pointing up, install square U-bolt (4) on the rear OEM center section boom.
- Step 5** Install adapter plate (5) and 3/8" flange nuts (6). Place bracket assembly (7) into position.
- Step 6** Install extension tube (8) onto bracket assembly (2) and (7).

Figure 11

- Step 7** Install stainless steel set screw and jam nut assembly (1) onto the bracket assemblies.

Hardware Kit D

Repeat Steps 1-7 for the remaining mount assemblies on the OEM primary boom and center section.

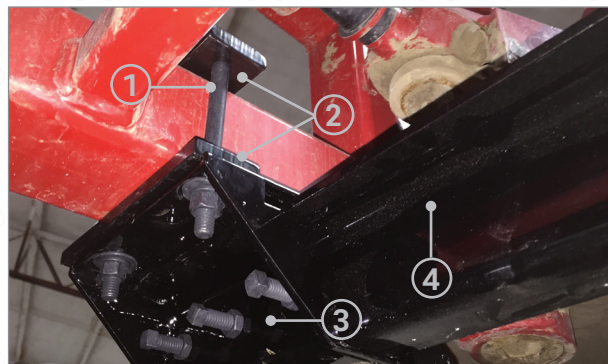


Figure 9

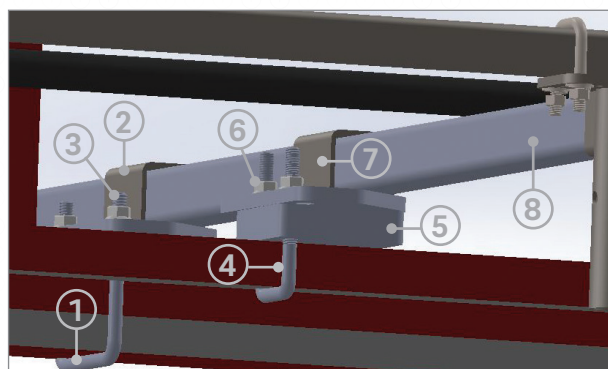


Figure 10

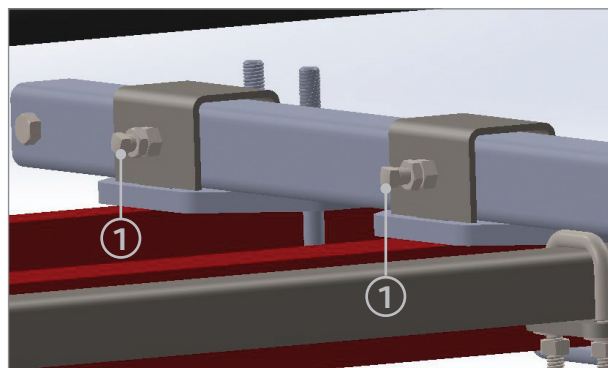


Figure 11

## III.

**INSTALL CENTER SECTION  
SQUARE TUBE UPGRADE** *(continued)*

Figure 12

**Step 8** Install square U-bolts (1), the 5/16" extra thick washers and the 5/16" nuts.  
Hardware Kit A

Figure 13

**Step 9** Install boom sections with riser mounts onto boom brackets (1).

**Step 10** Install square U-bolt (2), the 5/16" extra thick washers, and the 5/16" nuts. Repeat for all boom brackets.  
Hardware Kit A

**Step 11** Reinstall riser tube assembly (1) and secure with pin (3) from those removed earlier. Repeat for remaining riser tube assemblies.

Repeat Steps 9-11 for the left-hand primary boom and OEM center section.

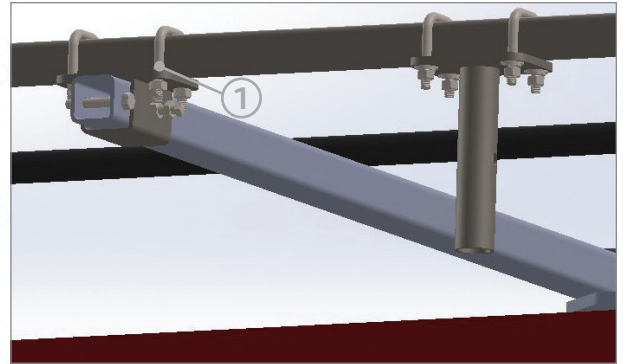


Figure 12

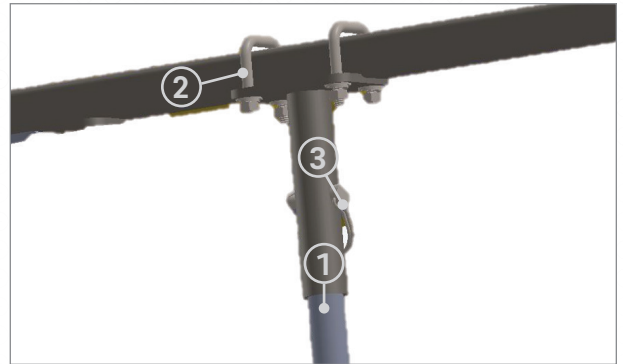


Figure 13

⊕ INSTALLATION COMPLETE.