



INSTRUCTIONS  
360 Y-DROP<sup>®</sup>  
SQUARE TUBE UPGRADE

MILLER 2008 AND LATER

# INSTRUCTIONS

## 360 Y-DROP

### SQUARE TUBE UPGRADE

MILLER 2008 AND LATER



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.

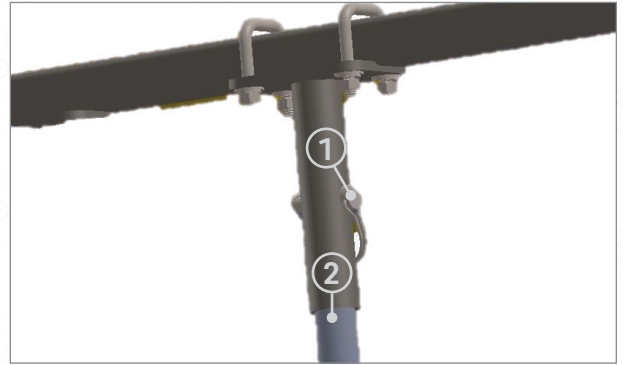


Figure 3



Figure 4

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

**NOTE:** Replace one Z-bar assembly 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 two nuts (1), 14" plate (2), Z-bar (3) and bracket assembly (4).

**Step 3** Remove bolt assemblies (5) and the diamond brackets.

**Step 4** Repeat Step 2 for the remaining mount assemblies on the OEM primary boom.



Figure 5

## II.

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

Figure 6

**Step 5** With the threads pointing down, install diamond U-bolt (1) on the top side of the OEM primary boom.

**Step 6** Install diamond boom clamp (2) on the bottom of the OEM primary boom.

**Step 7** Install 14" top plate (3).

**Step 8** Install bracket assembly (4) and flange lock nuts (5).

Hardware Kit D

**Step 9** Install carriage bolts (6) and flange nuts.

Hardware Kit D

**Step 10** Install extension tube (7).

Figure 7

**Step 11** Install boom bracket (1) onto the extension tube.

**Step 12** With the threads pointing down install square U-bolts (2) plus the 5/16" extra thick washers and the 5/16" nuts.

Hardware Kit A

**Step 13** Install stop bolts (3) at both the front and the rear of the extension tube.

Hardware Kit B

Figure 8

**Step 14** Install stainless steel set screws and jam nut assemblies (1) onto the bracket assemblies.

Hardware Kit D

Repeat Steps 1-14 the remaining mount assemblies on the OEM primary boom.

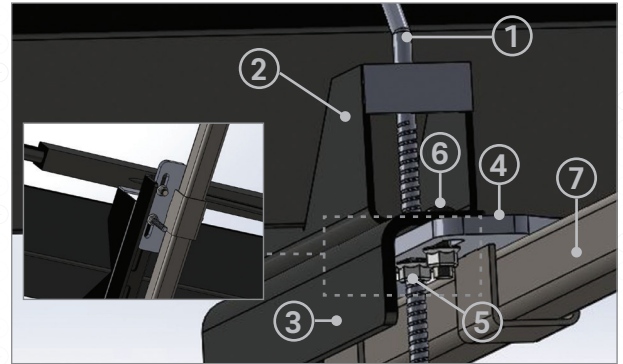


Figure 6

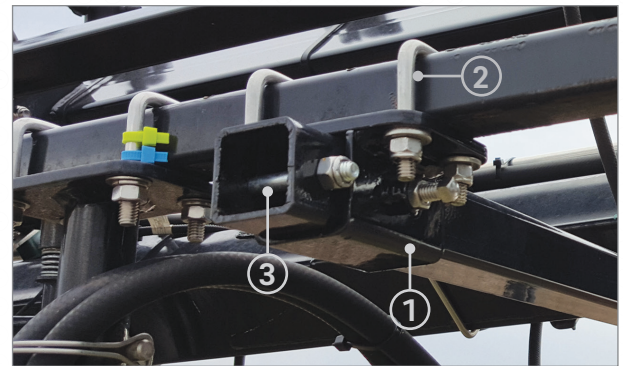


Figure 7

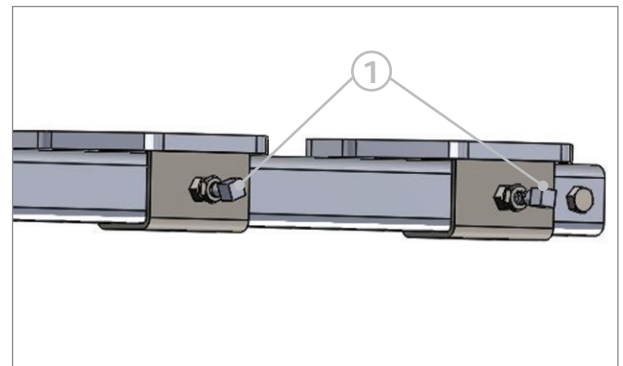


Figure 8



## III.

INSTALL CENTER SECTION  
SQUARE TUBE UPGRADE

In preparation for the center section installation:

Figures 9 and 10

**Step 1** Remove bolts (1), 13" plate (2), 5" top plate (3), Z-bar (4) and bracket assembly (5). Repeat for the remaining mount assemblies on the OEM center section.

Figure 11

**Step 2** Install bolts (1) over the OEM center section boom.

**Step 3** Place 14" top plates (2), spacer plate (3) and bracket assembly (4) into position and install 3/8" flange nuts (5).

**Step 4** Install extension tube (6) onto bracket assembly (4).

**Step 5** Install carriage bolts (7) and the flange nuts.

**Step 6** Install boom bracket (8).

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

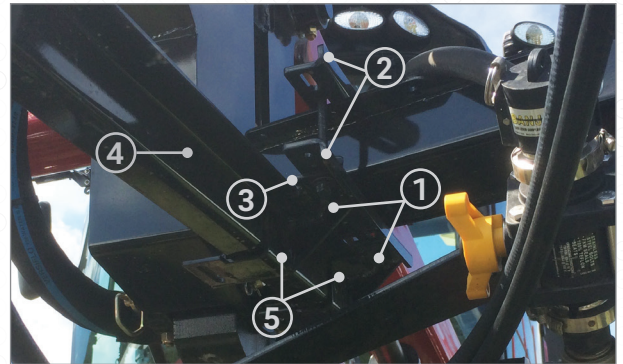


Figure 9

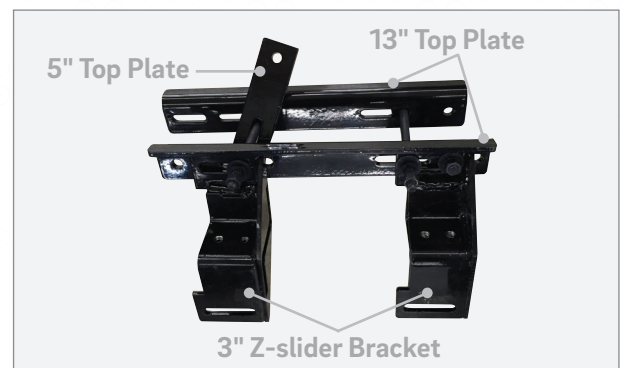


Figure 10

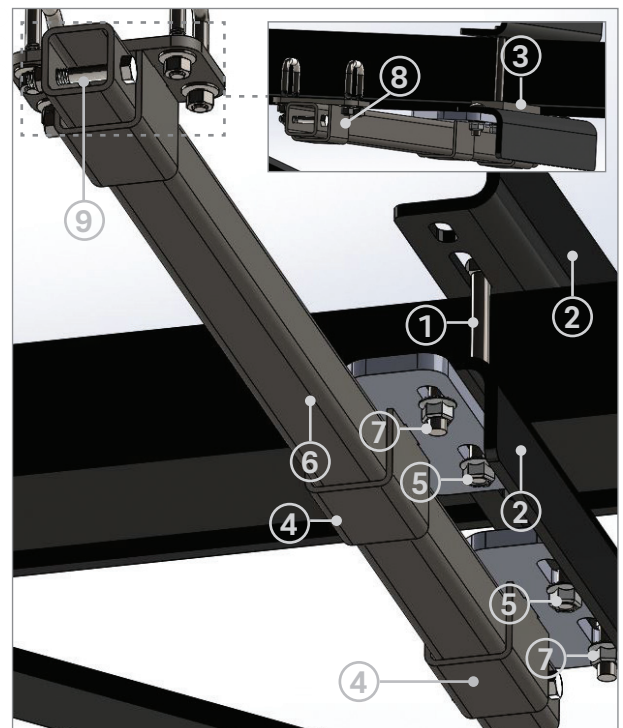


Figure 11

## III.

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

Figure 12

**Step 9** Install stainless steel set screws and jam nut assemblies (1).

Figure 13

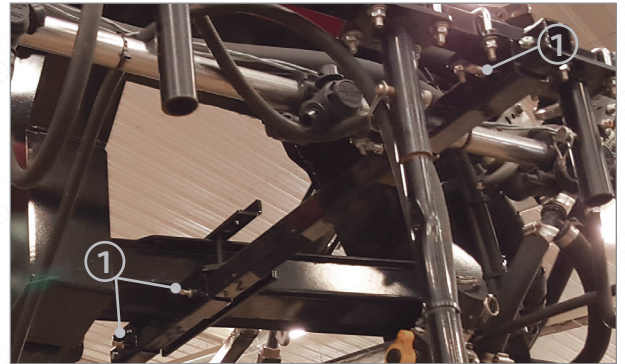
**Step 10** Reinstall riser tube assembly (1) and secure with pin (2) from those removed earlier. Repeat for remaining riser tube assemblies.

Figure 12



Figure 13

**⊕ INSTALLATION COMPLETE.**