



INSTRUCTIONS 360 Y-DROP® SQUARE TUBE UPGRADE

HAGIE

INSTRUCTIONS

360 Y-DROP

SQUARE TUBE UPGRADE

HAGIE



Figure 1 Before upgrade

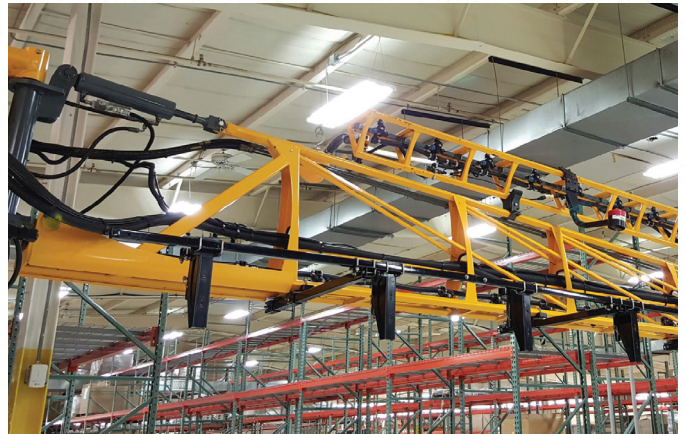


Figure 2 Upgrade completed

⊕ 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 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 four nuts (1), 14" plate (2), Z-bar (3) and bracket assembly (4). Repeat for the remaining mount assemblies on the OEM primary boom.

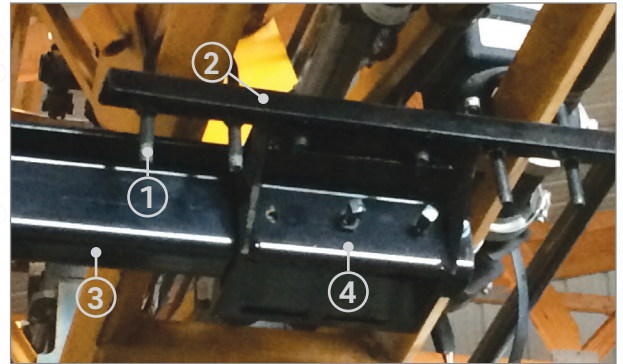


Figure 6

Figure 7

- Step 4** With the threads pointing down, install diamond U-bolt (1) on the top of the OEM primary boom.
- Step 5** Install diamond boom clamp (2) on the bottom of the OEM primary boom.
- Step 6** Install bracket assembly (3) and flange lock nut (4).
Hardware Kit D

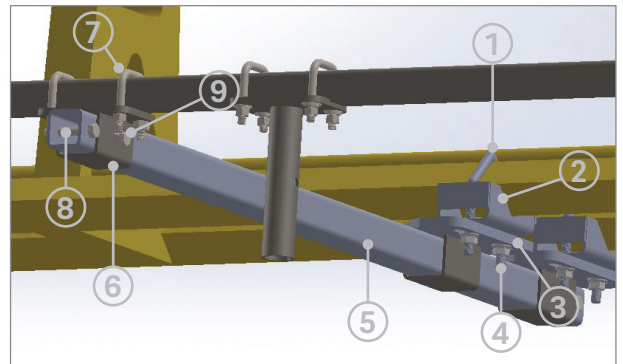


Figure 7

Repeat Steps 4-6 for the other OEM mount bracket kit.

- Step 7** Install extension tube (5).
- Step 8** Install boom bracket (6) onto the extension tube.
- Step 9** Install square U-bolts (7), the 5/16" extra thick washers and the 5/16" nuts.
Hardware Kit A

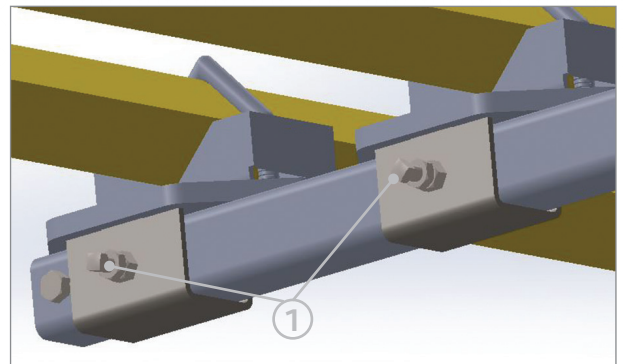


Figure 8

- Step 10** Install stop bolts (8) at both the front and the rear of the extension tube.
Hardware Kit B
- Step 11** Install stainless steel set screw and jam nut assembly (9).

Figure 8

- Step 12** Install stainless steel set screw and jam nut assembly (1) onto the bracket assemblies.
Hardware Kit D

Repeat Steps 1-12 for the remaining mount assemblies on the OEM primary boom.

III.

INSTALL CENTER SECTION
SQUARE TUBE UPGRADE

In preparation for the center section installation:

Figure 9

- Step 1** Remove bolts (1), 13" Plate (2), Z-bar (3) and bracket assembly (4).
- Step 2** Remove bolt assemblies (5) and diamond bar brackets (6).

Repeat Steps 1 and 2 for the remaining mount assemblies on the OEM center section.

Figure 10

- Step 3** With the threads pointing down, install 4" diamond U-bolt (1) over the OEM center section boom.
- Step 4** Place diamond boom clamp (2), 14" top plate (3) and bracket assembly (4) into position and install 3/8" flange nuts (5).
- Step 5** Install extension tube (6) onto bracket assembly (4).
- Step 6** Install boom bracket (7).

Figure 11

- Step 7** Install two carriage bolts and nuts (1) on the front and rear of the 14" top plate.
- Step 8** Install stainless steel set screw and jam nut assembly (2).

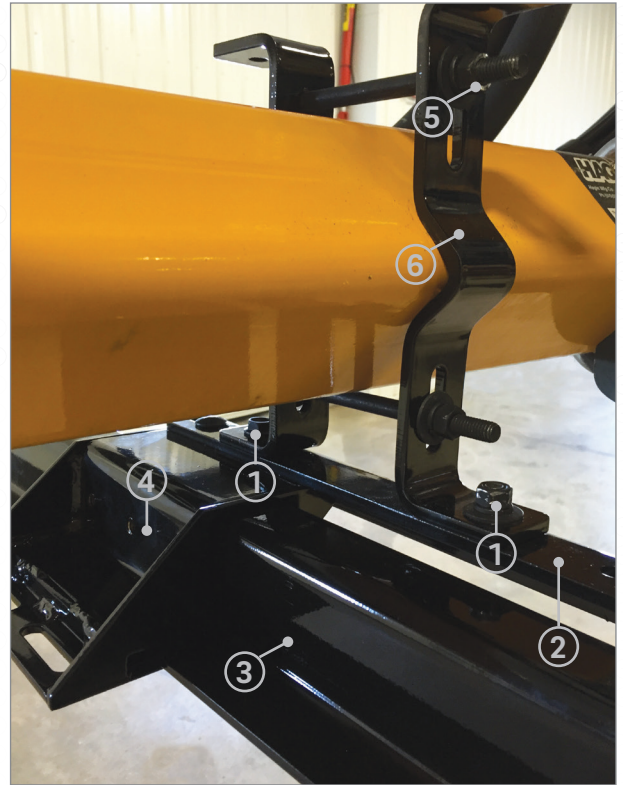


Figure 9

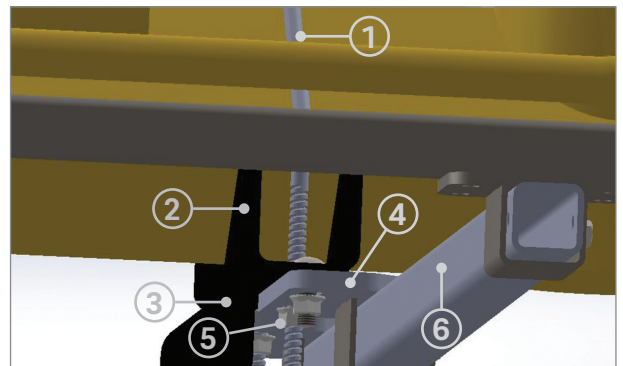


Figure 10

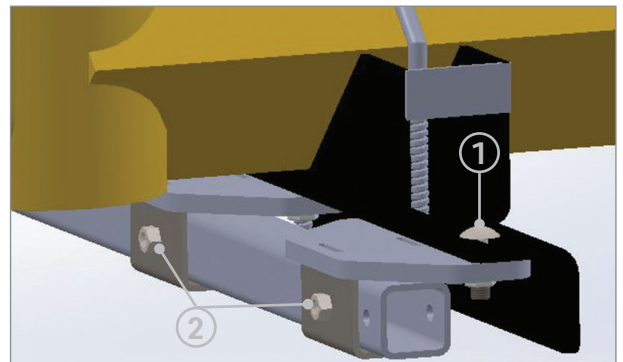


Figure 11

III.

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

Figure 12

Step 9 Install square U-bolt (1), the 5/16" extra thick washers and the 5/16" nuts.

Hardware Kit A

Step 10 Install stop bolts (2) at both the front and the rear of the extension tube.

Hardware Kit B

Step 11 Install stainless steel set screw and jam nut assembly (3).

Step 12 Install riser tube assembly (4).

Step 13 Install pin (5).

Repeat Steps 12 and 13 for the remaining riser tube assemblies.

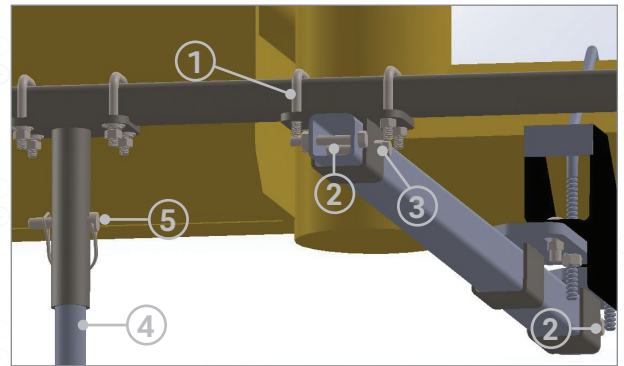


Figure 12

⊕ INSTALLATION COMPLETE.