

Installation of the Hydraulic Jack on Towed TMR Mixers



Shut down the tractor and remove the key before repairing, servicing, lubricating or cleaning the machine.

Relieve all hydraulic pressure in the hoses. Disconnect the hydraulic hoses from the tractor before going near the machine.

Securely block the machine to avoid any movement while doing the work.



1. If the unit is not already connected to a tractor, the current jack can be used to hold the unit up during the installation. If the jack is not needed, it can be stored in the jack storage location.
2. On the right hand side of the frame, opposite the current jack mount, hook 1 U-bolt (1) on either side of the gearbox mount plate, see *Figure 1*.
 - a. Note: The AMX850T is shown in diagrams. The jack will mount the same for all units.
3. Fasten the hydraulic jack mount plate (2) onto the U-bolts using 4 x $\frac{3}{4}$ washers and 4 x $\frac{3}{4}$ flanged lock nuts (3), see *Figure 1*.
 - a. Ensure that the mount plate is square with the frame.
4. Attach the hydraulic jack (1) to the mount on the frame, see *Figure 2*.
 - a. Line up the holes on the mount on the hydraulic jack with the holes on the mount plate on the frame.
 - b. Place a $\frac{5}{8}$ washer over a $\frac{5}{8}$ x 2 hex bolt (2) and feed through a hole on the frame mount. Secure with a $\frac{5}{8}$ washer and $\frac{5}{8}$ flanged lock nut (3), see *Figure 2*.
 - i. Repeat for all 4 holes, and tighten all bolts to the recommended torque.

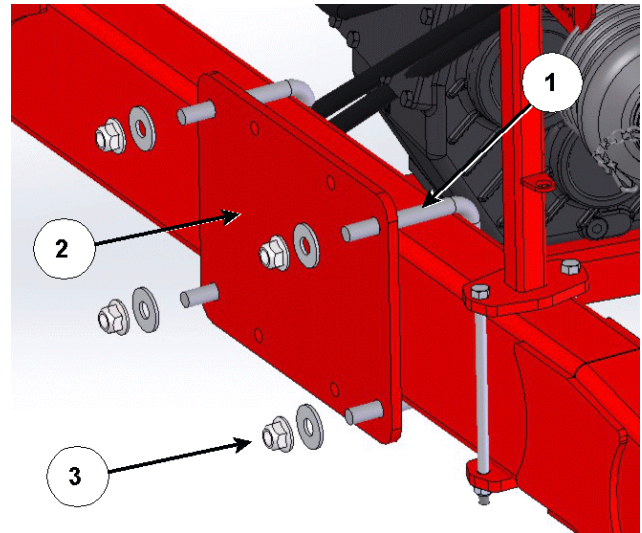


Figure 1: Fasten mount plate onto the frame

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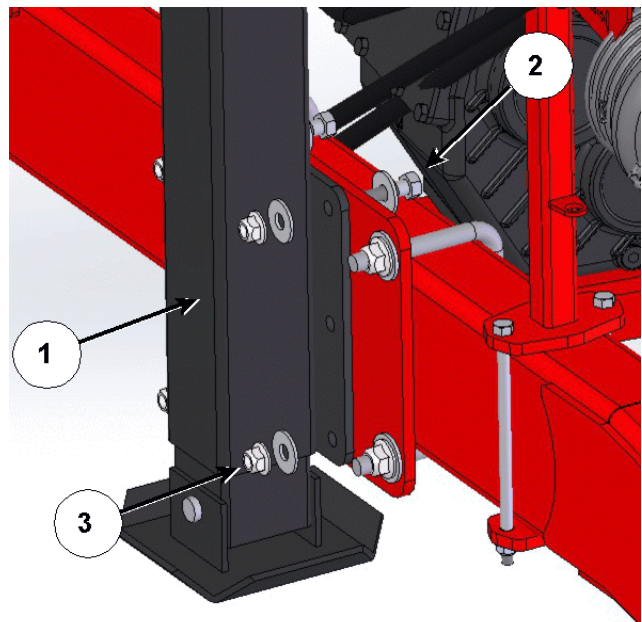


Figure 2: Attach jack to mount on the frame

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5. Fasten the hydraulic ball valve to the hydraulic ball valve mount plate.
 - a. Place a #10 washer over a #10-24X2 screw (1) and secure in place, ensuring the handle is on the same side as the decal plate (5), see *Figure 3*.
 - b. Connect a hydraulic fitting adapter (2) to either side of the hydraulic ball valve, see *Figure 3*.

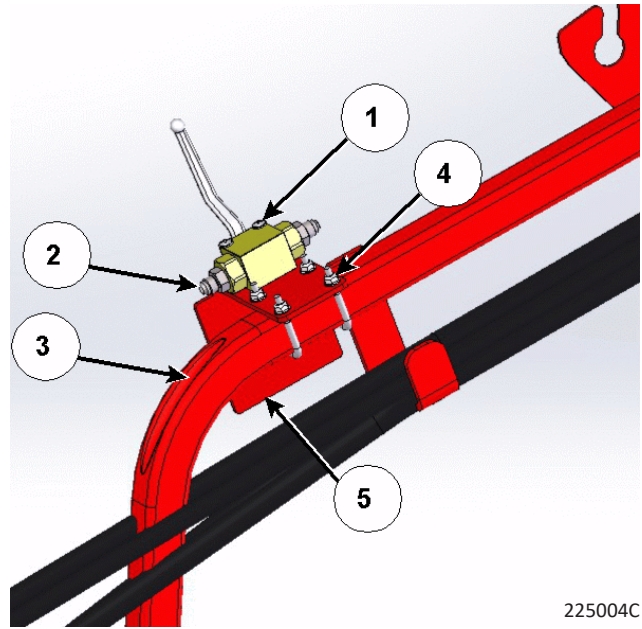


Figure 3: Attach the valve mount to the hose holder

6. Loosely attach the hydraulic ball valve mount to the hose holder (3), see *Figure 3*.
 - a. Hook 2 U-bolts around the hose holder.
 - b. Fasten the hydraulic ball valve mount onto the U-bolts using ¼ flanged lock nuts (4), see *Figure 3*.
 - c. Ensure that the handle and decal plate are facing the left hand side of the unit.
7. Connect the hose grips and pioneer ends to the hydraulic hoses, see *Figure 4*.
 - a. Connect the pressure (+) hose grip (1) to the 6X65 hydraulic hose (part# 60630).
 - b. Connect the return (-) hose grip (2) to the 6X87 hydraulic hose (part# 60631).
 - c. Connect a male pioneer end to each of the hose grips (3).

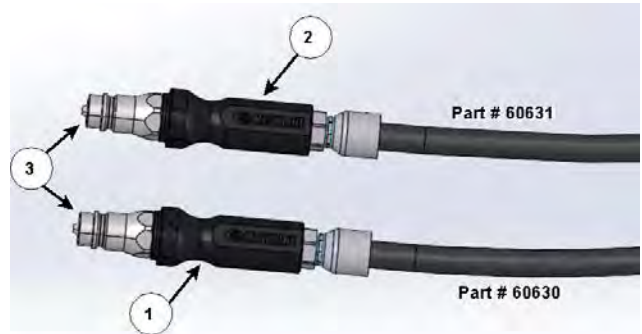


Figure 4: Connect hose grips and ends

8. Connect the hydraulic hoses to the hydraulic jack, see *Figure 5*.
 - a. Connect a 90° elbow (1) to both positions on the hydraulic jack.
 - b. Connect the elbow in the bottom (pressure/extend) position to the 6X22 hydraulic hose (part# 60629), ensuring the hose is routed towards the hose holder.
 - c. Connect the elbow in the top (return/retract) position to the 6X87 hydraulic hose (part# 60631), ensuring the hose is routed towards the hose holder.

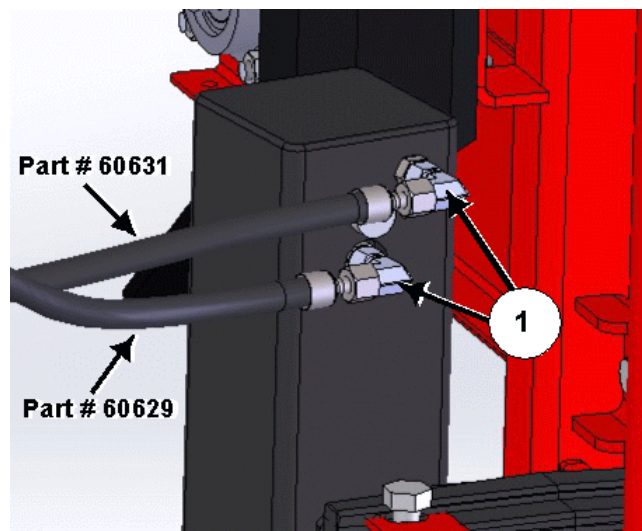


Figure 5: Connect hoses to the jack

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9. Connect the 6X22 hydraulic hose (part# 60629) to the hydraulic fitting adapter (1) on the hydraulic ball valve, see *Figure 6*.
10. Tighten the flanged lock nuts (2) holding the U-bolts on the valve mount in place, see *Figure 6*.
11. Connect a 6X65 hydraulic hose (part# 60630) to the remaining hydraulic fitting adapter (3) on the hydraulic ball valve, see *Figure 6*.
12. Route the hydraulic hoses through the hose holder and secure with ties as necessary.
13. Affix the 'Hydraulic Jack Operation' decal (1) (part# E25605) to the center of the hydraulic ball valve mount, see *Figure 7*.
14. Affix the 'WARNING Crush Hazard' decal (1) (part# E26087) to the front of the hydraulic jack, approximately 6" from the top, ensuring to center it on the tube, see *Figure 8*.

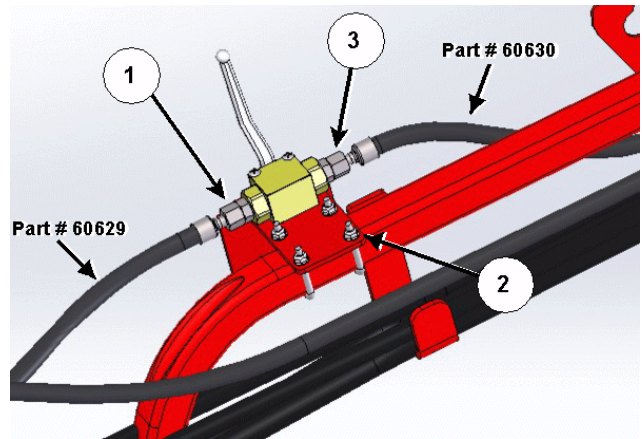


Figure 6: Connect hoses to the valve

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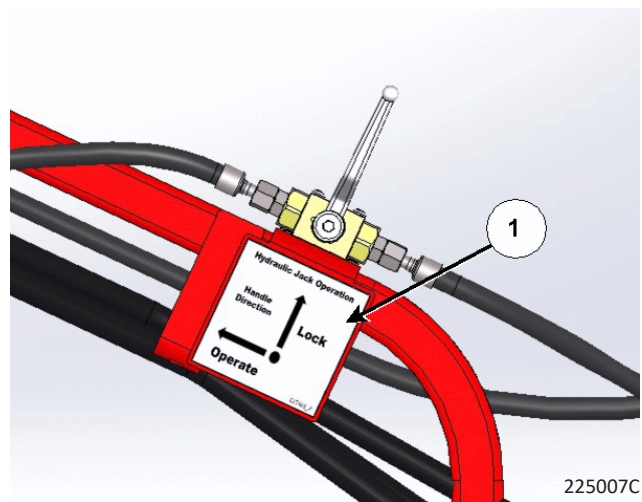


Figure 7: Affix the 'Hydraulic Jack Operation' decal

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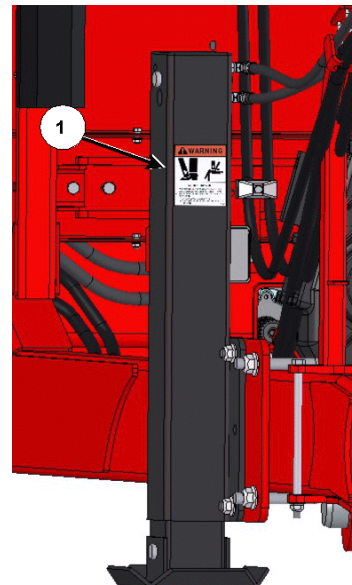


Figure 8: Affix the 'WARNING Crush Hazard' decal

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