

## MIXER TOW BAR ATTACHMENT

### IMPORTANT MIXER SAFETY INFORMATION

**Ensure the tow bar coupler is securely engaged onto the vehicle's hitch before towing. Proceed with the following instructions to verify proper engagement and adjust if necessary.**

### WARNING!

**USE ONLY 2-INCH BALL HITCH FOR TOWING.**

**THE USE OF A 1-7/8-INCH BALL HITCH MAY RESULT IN MIXER DISENGAGING FROM TOW VEHICLE AND CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH!**

### TESTING COUPLER ENGAGEMENT

1. Place the coupler socket over the 2-inch ball and close the latch completely. You should feel resistance as you close the latch. Verify the lock trigger is properly engaged in its detent.
2. Try to remove the ball from the socket by pulling up on the ball tow bar. **Figure 1.** The ball should fit tight within the coupler socket and rotate without any vertical movement. If the ball moves vertically within the coupler socket, the clamp requires adjustment. Reference **Figure 2.**



Figure 1

### COUPLER ADJUSTMENT – IF NECESSARY

1. Place coupler socket over the 2-inch ball hitch. Verify the lock trigger is properly engaged in its detent.
2. Locate the lock nut on the underside of the coupler. Tighten the nut until the clamp is tight against the ball with (slight interference). Back off the lock nut by one-half turn, enough to allow the latch to close with resistance. Reference **Figure 2.**

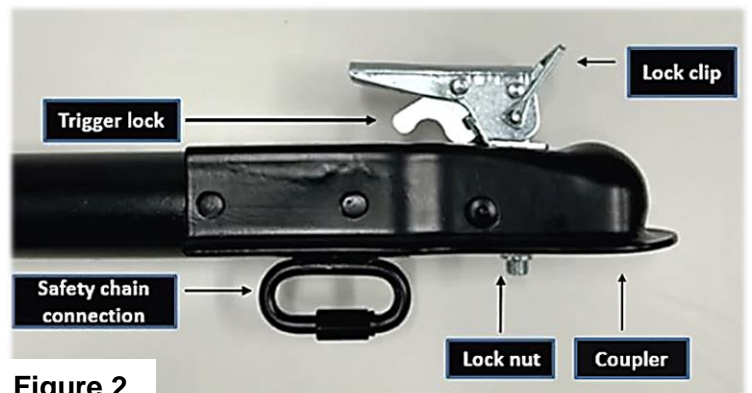


Figure 2

### Maintenance

- Keep the coupler off the ground when mixer is not in use to prevent accumulation of dirt and debris.
- Periodically inspect the coupler for signs of wear or damage. Replace if necessary.
- Periodically lightly oil the sliding surface of the latch locking mechanism.

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## SAFETY CHAIN INSTALATION

### CAUTION

**NEVER** tow the mixer with the safety chain removed. The safety chain is intended to prevent complete separation of the mixer from the towing vehicle in the event of a tow bar failure.

### TOW BAR TO MIXER CONNECTION

1. Insert the tow bar through the round opening at the bottom of the mixer stand (Figure 5).

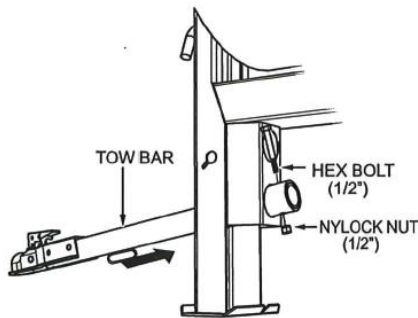


Figure 5. Inserting Tow Bar

2. Align the hole on the tow bar with the hole on the mixer frame (Figure 5), and insert 1/2-inch bolt through tow bar and frame. Secure tow bar to frame with 1/2-inch nylock nut. Tighten to 40 ft.-lbs.
3. Route the safety chain through the holes just above the tow bar, located on each side of the mixer stand.

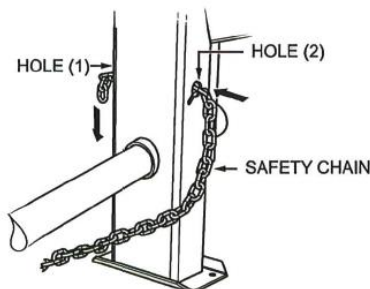


Figure 6. Attaching Safety Chains to Mixer Stand

4. Loop (cross) the safety chain (Figure 7) and place under the tow bar. Secure the loop with the safety chain connector link.

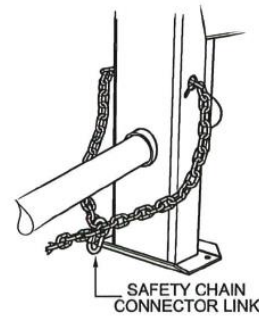


Figure 7. Crossing The Safety Chain

5. Extend the safety chain along the length of the tow bar (Figure 8), looping it through the tow bar's connector link. Remove any excess chain slack.

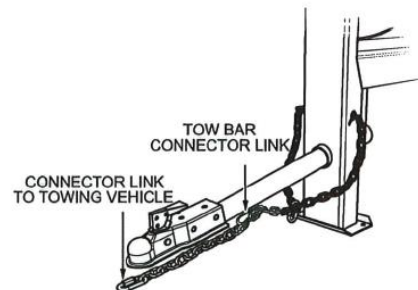


Figure 8. Extending Safety Chain

6. Connect the free end of (connector link) the safety chain to the towing vehicle (Figure 8). Remember it is critical that the length of the chain be properly adjusted, to prevent the draw bar and the front of the mixer stand from dropping to the the ground (contact) in the event the draw bar becomes disconnected from the towing vehicle.

### CAUTION

Use a lifting device to lift tow bar onto vehicle coupler. If lifting device is not available, have two persons of similar height lift the tow bar. When lifting, do not attempt to lift by bending forward. Bend hips and knees to squat down to your load, keep it close to your body, and straighten your legs to lift.