

LT Traction Bar Instructions

FIRCH
F A B W O R K S

Installation of the long travel traction bars is a fairly simple process but does require a few critical and precise steps to be taken. It is critical that these instructions are followed carefully and thoroughly to ensure the traction bars work properly after installation. Improper installation of the traction bars can result in strain on the leaf spring, premature wear on the traction bar joints, and premature wear on the leaf spring bushings. Proper installation will result in a bind free cycle of suspension components from full droop to full compression.

Hanger Placement

Precise location of hangers is critical (**especially on axle side**). Exact install location effects performance of the traction bars

1. Starting at the axle side, measure 2" from the leaf spring perch in towards the center of the axle housing. Mark this measurement down at the bottom side of the axle tube. This mark dictate wear the outer most edge of the hanger will sit.
2. Fit the axle side hanger up around the axle tube and mark its footprint around the axle tube.
3. Clean this area using a sanding disk or sandpaper.
4. Using a level or angle finder set the bottom face of the hanger to **ZERO** degrees, and tac weld the hanger in place.
 - a. Repeat this process on the opposite side of the axle.

Tech Note: It is critical the bottom edge of the hanger is set to zero degrees. The location of this hanger pivot hole has been strategically laid out that allows for no bind on the traction bar and plays into exact frame side hanger location.

5. With both axle side hangers in place, slide the traction bars into place and pin with the supplied hardware.
6. Slip the frame side hanger into the opposite end of the traction bar and lift up to the frame.
7. The frame hanger will saddle around the bottom edge of the frame, mark it footprint, and prep this area of the frame using a sanding disk or sandpaper and prep for welding.
8. Lift the hanger back up to the frame and tac weld the hanger on.

Repeat steps 5 – 8 on the opposite side of the vehicle

9. You can now remove the traction bars from their hangers and fully weld the hangers onto the frame and axle.

Tech Note: It is recommended to tac weld around all four corners of each hanger. This will aid you in keeping the hangers square and plumb in the location

10. Once the axle side hangers are fully welded, position the supplied "spine" piece in the key-way on the backside of the hanger. Tac weld this in place then fully weld.

Your LT traction bars are just about ready for Final Install. Prep and paint the hangers fully and allow the paint to cure.

11. Slide the hangers up into the pockets of the hangers, install the hardware and torque them down to 180 ft. lbs.