

@shotz_byz

Installation Guide

Dodge Traction Bars



What You'll Need

- ½" Drive Standard Socket Set up to 1"
- Standard wrench set up to 1"
- 3/8" Drill bit
- ½" Drill bit
- Drill
- Floor jack
- Torque Wrench
- Welder and proper PPE

1. Start by parking the vehicle on a clean level surface. Disconnect both batteries.

2. Assemble the front and rear bracket together with the hardware and the bar.



3. Lay out the bar on the ground underneath the truck in line with the frame rail. First, support the rear bracket with a jack and raise it up snugly against the rear axle tube. The axle bracket should be “pointing” straight down.



4. Swing the front bracket up to meet the frame, make sure that the traction bar assembly is perfectly in line with the frame rail to prevent binding. Use a jack to hold the front bracket up to the frame while you adjust the rear bracket.



5. Clean up the axle tube with a grinder until the bare metal is exposed.



6. Tack the rear axle bracket onto the axle tube, double check that the traction bar is still in line with the frame rail and front bracket before fully welding out.



7. Remove the bar from the rear bracket and fully weld out the rear bracket. Once the brackets have cooled off from welding, we recommend coating with paint or undercoating to prevent corrosion.



8. With one side done, do the same procedure to the other side.

9. Now that the rear brackets are in place re-install the bars into the rear brackets using the supplied 5/8" bolts. The Rear brackets will use the longer bolts. The end of the bar with the polyurethane bushings will be used in the rear. Torque the 5/8" bolts to 50 ft-lbs.

10. Locate the hardware for the front brackets. They will be the (8) black Bolts (8) black washers and (8) black lock nuts. There will also be a pull wire in your kit.

11. Clamp the front bracket to the frame.

12. Use a 1/2" Drill bit to mark the center location of the hole. Next use a 3/8" drill bit to drill a pilot hole through the frame. Once the pilot hole is drilled all the way through then use the 1/2" Drill to open the hole up.



13. Now on the inside of the frame rail in the oval section where the frame is the thinnest, drill a 3/8" pilot hole and then open it up with a step bit until the head of the bolt fits through the hole (about 1 1/8").

14. Locate the pull wire supplied with your hardware kit. It will be necessary to modify the wire slightly so it properly fits the supplied bolts. Using a pair of pliers gently bend the wire open to clear the Hex cut in the end of the bolt.

15. Feed the wire through the hole drilled in the back side of the frame rail and gently pull the wire and bolt through the hole drilled for the bracket.



16. Install the washer over the pull wire and use it to help hold the bolt in place while removing the pull wire. With the pull wire removed, install the lock nut onto the bolt. Use an 8mm socket to hold the bolt while tightening the nut with a 3/4" wrench. Make sure the 8mm socket stays fully engaged on the bolt to prevent striping the hex.

17. With the bolt tightened to ensure the bracket doesn't move drill the remaining three holes and repeat the same procedure on the other side.

18. With all 4 holes drilled torque the 1/2" bolts to 30 ft-lbs

19. With the front brackets in place, adjust the heim joints so they align in the hole of the bracket making sure the zerk fitting is on the bottom so it is accessible to grease the joints. Install the 5/8" bolts and torque to 50 ft lbs.

20. It is recommended to recheck all fastener torques after 500mile of driving. We also recommend greasing the front heim joints at every oil change interval.