

**1979-04 MUSTANG TORQUE BOX
 REINFORCEMENT KIT - UPPER & LOWER**



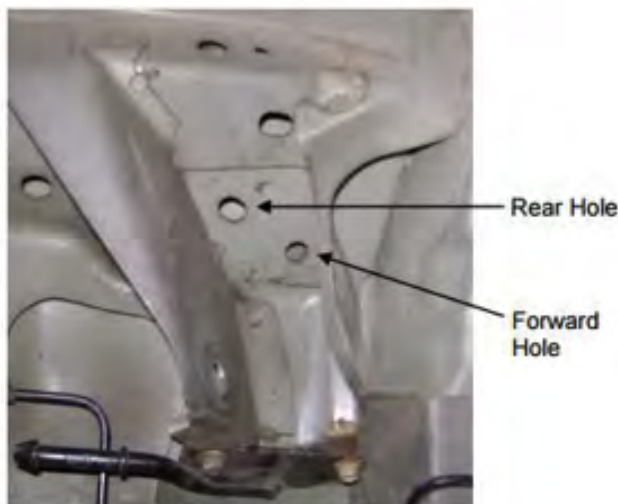
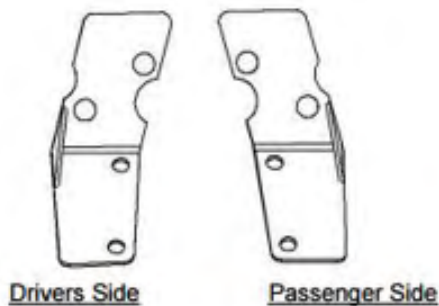
TOOLS REQUIRED

- Jack
- Jack Stands
- Drill
- 3/8" Drill Bit
- 1/2" Drill Bit
- Body Saw or Cut Off Wheel
- Socket Set
- 3/8" Socket Wrench
- Wobble Socket
- Phillips Head Screwdriver
- Welder (Optional)
- Sanding Disc (Optional)
- Rust Prohibitive Paint
- Razor Blade
- Putty Knife
- Vacuum
- Safety Glasses

WATCH THE INSTALLATION VIDEO BEFORE STARTING!

LOWER TORQUE BOX

UPPER TORQUE BOX



Lower Torque Box Installation

1. Remove the lower front seat belt to floor bolt with a T-45 Torx driver.
2. Push the rear seat bottom toward the back of the car and lift up to remove.
3. With the rear seat out of the car, remove the lowest screw securing the rear interior quarter panel.
4. Pull up slightly on the panel pocket and roll back the carpet.
5. Position the jute padding out of the way
6. Pull the plastic pocket away from the rivet on the interior quarter panel.
7. Remove the two Phillips head screws and then set the cover aside.
8. Scrape away some of the sound deadening material with a putty knife.
9. Jack up the rear of the car using a lift or jack stands.
10. Push the rubber body plug through the floor.
11. Using a breaker bar with an 18mm socket and a half inch socket wrench with a 18mm socket, remove the nut securing from the lower control arm bolt.
12. Position the plate up through the torque box. Retighten the control arm bolts to 100 ft/lbs.
13. Use a 3/8" drill bit to drill through the floor.
14. Scrape away any remaining sound deadening material. Vacuum the area and clean the holes up with uni-bit or a deburr tool.
15. Align the support plate with the holes; these are not side specific. Tighten the hardware with 14mm sockets.

Upper Torque Box Installation

1. Remove the rear seat backs and seat bottoms from the car.
2. Safely support the car via a lift or jack stands.
3. Remove the rear upper control arm hardware from the car. Because of the pinion angle, you may have to jack up the rear end to remove the bolts.
4. Slowly lower the rear end down as much as it will go, but be careful not to overextend the rear upper brake hose.
5. Verify that the long M12 bolts pass through the two upper holes in the torque box.
6. If they don't, elongate or widen the holes to accommodate the bolt. Verify that the bolt passes through each hole cleanly and is straight up and down.
7. Hold the lower plate in position and verify that the holes are in lines with the holes in the torque box.
8. Use a half-inch drill bit and drill holes into the underbody of the car. When doing this, make sure the drill bit is as straight up-and-down as possible. You can also use a smaller, 3/8" bit to serve as a pilot hole, then open from the inside of the car with a stepped bit.
9. Do the same for the other torque box.
10. From inside the car, prep the floor area for the upper reinforcement plate. *(cont.)*

11. Position the plate over the holes that you just drilled and then trace the plate with a marker.
12. Remove the plate and then carefully heat the factory sound deadening material with a heat source. Whenever the material gets soft, use a razor blade and cut the marked areas.
13. Reheat as needed and then gently remove the material.
14. Deburr the drilled holes and do the same for the other side.
15. Temporarily install both sides so that you can mark the upper plates and drill the two 3/8" holes with them removed from the car.
16. You will need two helpers: one underneath the car and one inside the car.
17. Position the lower plate into place and feed the two M12 bolts through the holes. From inside the car, install a spacer, then a washer, and loosely tighten the nut.
18. Do the same for the other M12 bolt and then tighten the hardware enough to hold everything in place.
19. From underneath the car, use the two smaller holes in the lower plate as a template and drill completely through the floor with a 3/8" bit. There are multiple layers of sheet metal, so it'll take some effort to do this.
20. Once you're through the floor, have your friend hold the upper plate to the body of the car, and use a drill bit to mark the backside of the plate.
21. Go ahead and repeat these steps for the other side and then disassemble everything.
22. Deburr the 3/8" holes.
23. Now you can drill the upper plates off of the car. Use a 3/8" drill bit or a stepped bit and deburr both sides of the plates.
24. If you're welding the upper plate, go ahead and prep both plates and the spacers for paint. If you're not welding the upper plate, just paint the lower plates. The upper plates and spacers will be painted after you weld them.
25. Scuff these parts with a medium-duty scuff pad and thoroughly wipe them down with a wax and grease remover.
26. Be sure and paint these components in a well-lit and well-ventilated area using a coating or paint that offers good resistance to rust and corrosion. Thoroughly cover each part with paint. Allow adequate drying times between coats and rotate the parts as needed. Whenever you're finished, allow the paint to fully cure before assembly.
27. When the paint is fully dry, you can begin the final assembly of the torque boxes.
28. Position the small bracket into the torque box and feed either one of the bolts through the holes. The person inside the car will need to install the hardware.
29. The smaller hardware will have a washer followed by the nut; the larger hardware will have a spacer, washer, and a nut. Make sure the flat side of the spacer is facing up and the angled side is flush with the bracket.
30. It's recommended that you apply some red thread locking compound to the larger bolts and then fully tighten all of the hardware. Do the same for the other side. *(cont.)*

31. If you are going to stitch weld the upper plate to the floor, you'll want to remove some additional sound deadening material in order to properly prep the area for welding.
32. Once welded, mask the surrounding area and paint the plate with a rust prohibitive paint.
33. Reinstall the rear upper control arm and tighten the hardware.
34. Lower the car to the ground and reassemble the interior.

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