



CHE PERFORMANCE PRODUCTS INSTALLATION INSTRUCTIONS

ADJUSTABLE REAR SHOCK TOWER BRACE PART # CHE7H

APPLICATIONS:

1979-2004 Ford Mustang

Body Style:All

Engine:All

KIT CONTENTS:

10ea 3/8" Sheet Metal Bolts

2ea 1/2"x1-1/2" Socket Head Bolts

1ea Left Hand Clevis w/Jam Nut

1ea Product Decal

2ea M8 x 25mm Flange Head Bolts

2ea 1/2" Nylon Insert Locknuts

1ea Right Hand Clevis w/Jam Nut

WARNING!!: If you lack the necessary skill, tools, or equipment to safely complete this installation, have the component installed by a mechanic with the proper equipment and expertise.

Thoroughly read and understand these installation instructions before beginning the installation. If there is any doubt regarding the procedure, please contact CHE Performance prior to attempting installation

Step 1. Remove interior trim

Remove the interior trim and carpeting from the shock tower area allowing full access to the rear shock towers and floor pan.

Step 2. Unbolt Shocks



With the vehicle on the ground, remove the retaining nuts and bushings from the tops of the shocks.

IMPORTANT: Do not remove the shock nuts while the vehicle is jacked up without support under the axle or the axle will drop causing damage.

Step 3. Trim Sound Deadener (Vehicles prior to 1994)



Place the brace over the shock studs and trace the lower flange onto the sound deadener.

The sound deadener is not present on 1994-2004 vehicles and step 3 can be skipped for these vehicles.



Using a suitable tool, cut away and remove the sound deadener from under the flange.

Step 4. Clear Frame Weld-Nut



Remove the body sealer plugging a weld-nut that is located on the framerail of the vehicle using a suitable tool. This weld-nut should be located under the inboard holes of the Shock Tower Brace.

If this weld nut is not present, it will be necessary to drill a hole to match the mounting plate of the brace using a 5/16 drill bit and install a 3/8 sheet metal bolt following the process shown in step 6.

Step 5. Install Brace



5a. Place the shock tower brace ends over the shock studs. Note that the Driver's side is marked with a "D" and the Passenger's side is marked with a "P" cut into the baseplate.

Install the M8x25mm flange head bolt in the factory weld-nut and install the bushing, washer, and nut on the shock stud.

Do not fully tighten the fasteners at this time; they should be loose enough to allow final positioning later.



5b. Install the clevises in the bar. Note that the left hand threads are marked with a groove on both the bar and the clevis jam nut. The clevises should be fully threaded into the bar.

Using the 1/2" socket head bolts, install the clevis on one side of the brace ends. While keeping the free clevis from turning, rotate the bar until the hole is aligned on the second brace end. This will ensure that the clevises are threaded equally into the bar. Install a 1/2" socket head bolt into the second clevis.



At this time, fully tighten the shock hardware and the M8x25mm bolts.

Do not fully tighten the clevis bolts at this time; they should be loose enough to allow final positioning later.

Step 6. Drill Floor Flange Mounting Bolt Holes



6a. ***Before drilling, inspect the area under the mounting holes to ensure that there are no objects under the vehicle that may be damaged during drilling.***

Using a 5/16 drill bit, drill 4 holes (2 driver, 2 passenger) for the lower mounting flange. The holes should go through the framerail flange of the vehicle. It may be helpful to first drill a small pilot hole.



6b. Install the supplied 3/8 Self-Tapping Flange Bolts in the drilled mounting holes. Torque the fasteners to 25 ft-lbs. ***Do not over-tighten the fasteners.***

If desired, although only necessary if a bolt has stripped out the sheet metal, nuts may be installed on the bolts after installation.

Step 7. Drill Shock Tower Flange Mounting Bolt Holes



7a. *Before drilling, inspect the area behind the mounting holes to ensure that there are no objects under the vehicle that may be damaged during drilling.*

Using a 5/16 drill bit, drill 4 holes (2 driver, 2 passenger) for the shock tower mounting flange. It may be helpful to first drill a small pilot hole.



7b. Install the supplied 3/8 Self-Tapping Flange Bolts in the drilled mounting holes. Torque the fasteners to 25 ft-lbs. ***Do not over-tighten the fasteners.***

If desired, although only necessary if a bolt has stripped out the sheet metal, nuts may be installed on the bolts after installation.

Step 8. Adjust Bar Length



Adjust the length of the bar. The bar should be lengthened until it is applying light outward pressure to the brace ends.

Tighten the clevis bolts using a 3/8" hex wrench and 3/4" wrench.

Tighten the bar jam nut.

Step 9. Install & Trim Interior Pieces

Replace the interior trim pieces in the vehicle. It will be necessary to trim them for proper fitment and clearance.

Technical Support/Contact Information

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