



CHE PERFORMANCE PRODUCTS INSTALLATION INSTRUCTIONS

4 POINT K-MEMBER BRACE PART # CHE7K

APPLICATIONS:

2005-Current Ford Mustang
Body Style: All
Engine: All

Kit Contents

2ea. M14x110mm Bolts	2ea. M14 Flat Washers
2ea. M10x25mm Bolts	2ea. M10 Flat Washers

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

NOTE: Photos show installation on a V6 manual transmission vehicle. Installation is typical of all engine and transmission combinations.

Installation Note

NOTE: Certain models may already have a K-Member brace installed from the factory and must be removed prior to installation of the CHE 4-Point K-member brace. Additionally, some early models (build date prior to 01/2005) may not have holes in the K-member where the K-member brace mounts and will require adapter brackets provided by CHE upon request.

Step 1. Raise and Support Vehicle

With the rear wheels properly blocked, raise the front of the vehicle, and support it with jack stands along the structure of the vehicle. Because you will be removing the bolts that attach the front A-arms to the k-member, do not support the weight of the vehicle at the wheels or on the control arms. The front wheels should be hanging freely above the floor.

Step 1a. 2011-Current Vehicles

On 2011-Current vehicles only:

Ford changed the K-member brace mounting style for 2011. Instead of holes there are now studs on the K-member. The (2) inboard studs must be removed from the K-member to allow the brace to fit properly. The heads of the studs must be cut off from the front side of the K-member after removal of the stock brace. Please review step 3 before modification.

Step 2. Remove Control Arm Mount Bolt



Remove the inboard bolt retaining the control arm bushing mount to the K-Member. Do this on both sides of the vehicle. The nut will be re-used, and the bolt may be discarded.

Tip: If the flag is broken away from the bolt with pliers it will be possible to put a socket on the bolt to speed removal.

IMPORTANT!!: Remove only the inboard (engine side) bolts. Removal of both inboard and outboard bolts may result in suspension damage or personal injury.

Step 3. Install Brace



A. If present, remove the factory K-member brace from the vehicle by removing the 4 fasteners that retain it to the K-member. Note that not all vehicles have a brace from the factory. 2011-Current vehicles require modification described in step 1a.

B. Place the brace under the control arm bushing mounts and inspect for fitment.



C. Install the 10mm bolts (17mm Bolt Head) and flat washer into the rear mounting holes of the brace, but **do not tighten them at this time**. There should be enough slack in the brace to allow final positioning of the brace. Do this on both sides of the brace.



C. Place a washer over the provided 14mm bolt and install it through the tubular standoffs of the brace and into the front control arm bushing mount holes, re-using the factory locknut. **Do not fully tighten them at this time**. There should be enough slack in the brace to allow final positioning of the brace. Do this on both sides of the brace.

Step 4. Tighten Mounting Bolts



A. Snug up the rear flange bolts until they are just tight enough to take any slack out of the bolt. Do not final torque it at this time. This step will insure proper alignment of the brace without causing deformation of the k-member flange.



B. Torque both of the control arm mount bolts to 100 ft-lbs (135N-m).

C. Torque the rear flange bolts to 25-35 ft-lbs.

Step 5. Lower Vehicle

Inspect installation for clearance issues and lower the vehicle.

Questions, Comments, Suggestions?

If you have any questions, comments, or suggestions regarding these instructions or product, please do not hesitate to contact us immediately.

Technical Support/Contact Information

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