



CHE PERFORMANCE PRODUCTS INSTALLATION INSTRUCTIONS

2005-CURRENT MUSTANG AXLE BRACE WITH CONTROL ARM RELOCATION BRACKETS

APPLICATIONS:

2005-Current Ford Mustang Using BMR or Whiteline Control Arm Relocation Brackets

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

If the Control Arm Relocation Brackets Have already been installed on your vehicle, please follow the steps in Section 1 below. If you are installing the Control Arm Relocation Brackets at the same time as the Axle Brace, please refer to the steps in Section 2.

SECTION 1. INSTALLATION USING EXISTING BRACKETS

Step 1. Axle Prep

Follow Steps 1-3 on the Axle Brace Installation Instructions

Step 2. Remove Panhard Bar

The Panhard Bar interferes with the installation of the Axle Brace when the Relocation Brackets are already installed and must be removed.

- A. Remove the bolt and flag nut retaining the panhard bar to the drivers side of the axle.

- B. Loosen but do not remove the bolt for the panhard bar brace on the passenger side of the vehicle
- C. Remove the bolt and flag nut retaining the panhard bar to the passenger side of the vehicle
- D. Remove the panhard bar from the vehicle

Step 3. Remove Relocation Bracket Bolts

IMPORTANT!! The vehicle **MUST** be supported by the frame of the vehicle and **NOT** by the axle during this installation. If the vehicle is supported by the rear axle, vehicle damage and/or personal injury will occur.

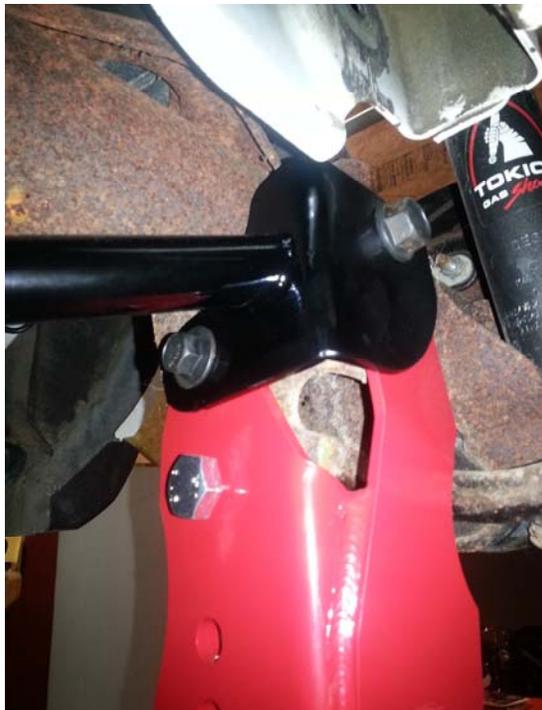
To keep the axle from rotating during removal of Relocation Bracket bolts, place a jack or jack stand under the pinion flange with just enough supporting pressure to prevent it from dropping.

On the Passenger side: Remove the nut and bolt retaining the Relocation Bracket on the rear upper tail of the bracket. Remove the counterweight on the inboard side of the control arm mount, or if the counterweight is not present, remove the bolt on the inboard side of the control arm mount of the axle.

On the Driver Side: Remove the counterweight on the inboard side of the control arm mount, or if the counterweight is not present, remove the bolt on the inboard side of the control arm mount of the axle.

Step 3. Install Axle Brace

Follow Steps 5-13 on the Axle Brace Installation Instructions keeping the following steps in mind



On the passenger side, the Axle Brace will go over the relocation bracket, and none of the flat steel spacers supplied with the Axle Brace installation hardware will be used. Do not remove the control arm from the bracket. If the axle rotated slightly when the relocation bracket bolts were removed, it will be necessary to shift the axle back into position using either a jack under the pinion or a pry bar. The bolts should only be started finger tight and must be left loose until final positioning of the axle brace is completed.



On the driver side, the Axle Brace will go under the relocation bracket tab for the inboard bolt in place of the short tube spacer that was provided with the relocation bracket hardware. Do not remove the control arm from the bracket. If the axle rotated slightly when the relocation bracket bolts were removed, it will be necessary to shift the axle back into position using either a jack under the pinion or a pry bar. The bolts should only be started finger tight and must be left loose until final positioning of the axle brace is completed.

Step 3. Install Panhard Bar

After Axle Brace has been installed, install the Panhard Bar following the reverse procedure of removal. Torque Panhard Bar bolts to 120lb-ft and Panhard Bar Brace bolt to 85lb-ft.

SECTION 2. INSTALLING WITH NEW RELOCATION BRACKETS

IMPORTANT!! The vehicle **MUST** be supported by the frame of the vehicle and **NOT** by the axle during this installation. If the vehicle is supported by the rear axle, vehicle damage and/or personal injury will occur.

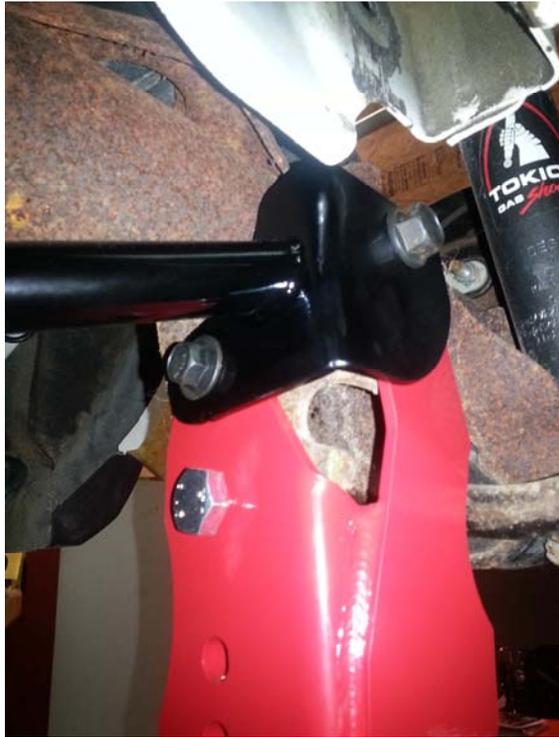
To keep the axle from rotating during installation of Relocation Brackets, place a jack or jack stand under the pinion flange with just enough supporting pressure to prevent it from dropping.

Step 1. Axle Prep

Follow Steps 1-3 on the Axle Brace Installation Instructions

Step 2. Install Axle Brace

Follow Steps 5-13 on the Axle Brace Installation Instructions keeping the following steps in mind



On the passenger side, the Axle Brace will go over the relocation bracket, and none of the flat steel spacers supplied with the Axle Brace installation hardware will be used. Install the relocation bracket following the manufacturer's instructions and slide the bracket under the axle brace flange. If the axle rotated slightly when the control arm was removed, it will be necessary to shift the axle back into position using either a jack under the pinion or a pry bar. The bolts for both the axle brace and relocation bracket should only be started finger tight and must be left loose until final positioning of the axle brace is completed.



On the driver side, the Axle Brace will go under the relocation bracket tab for the inboard bolt in place of the short tube spacer that was provided with the relocation bracket hardware. Slide the relocation bracket over the axle brace and install following the manufacturer's instructions. If the axle rotated slightly when the control arm was removed, it will be necessary to shift the axle back into position using either a jack under the pinion or a pry bar. The bolts for both the axle brace and relocation bracket should only be started finger tight and must be left loose until final positioning of the axle brace is completed.

Step 3. Complete Installation

Complete the installation of the Axle Brace and Relocation Brackets following supplied instructions making sure that all fasteners are properly torqued.

Technical Support/Contact Information

e-mail: support@cheperformance.com

Website: www.cheperformance.com