

## 2005-10 MUSTANG REAR PANHARD BAR & BODY BRACE

INSTALLATION INSTRUCTIONS (FOR PART # 5R3Z-4264-BRRE & 5R3Z-4264-B)

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**- WARNING! -**

Always wear gloves and protective eye-wear when working around automotive equipment

**- WARNING! -**

Always support a raised vehicle with jack stands.

**- WARNING! -**

Please review these instructions carefully. If any part of this procedure seems out of your scope of capabilities, please seek a certified mechanic to perform this installation. Failure to reassemble the suspension properly can lead to serious injury

### INSTALLATION

Make sure the emergency brake is disengaged and raise the vehicle. **Make sure to use jack stands if you are not using a lift.** Support the weight of the rear of the vehicle on the rear axle with jack stands or pole jacks if using a lift. One on each side of the axle tube.

Remove Factory Panhard Bar. Using an 18mm Socket, loosen and remove the factory panhard bar bolts. Pry the factory panhard bar from the mounts and remove. (See figure 1)

Remove the Factory Body Brace. Using an 18mm Socket, loosen and remove the factory brace bolt and nut on the passenger side. Using a 15mm socket, remove the two factory bolts on the driver side. Pry the factory support bar from the passenger mount and remove. (See figure 2) If you are just replacing the Panhard Bar only, loosen (but don't remove) the body brace bolts and skip next step.

Install the Drake Muscle Cars Body Brace using factory hardware, reversing the step above. Torque the two Driver bolts to 62 N-m (46 ft-lbs) and install the factory bolt and nut on the passenger side, but do not tighten! (See figure 3)

Install the Drake Muscle Cars Panhard Bar. As a starting point, set the panhard bar to factory length by loosening the jam nuts and turning the bar clockwise or counter-clockwise accordingly. Finish by retightening the jam nuts.

### TOOLS NEEDED FOR INSTALLATION

- 15mm and 18mm Socket
- ½" Drive Ratchet Wrench
- Torque Wrench
- Measuring Tape
- Plum Bob and String
- 1 1/8" Wrench (Jam Nuts on Adjustable Arms Only)



Figure 1



Figure 2

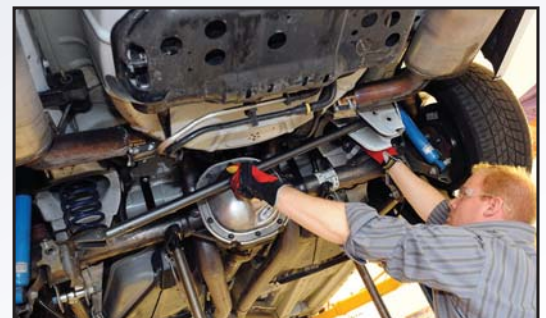


Figure 3

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Torque the passenger nut of upper body brace to 115 N-m (85 ft-lbs). Using factory hardware, torque the panhard bar bolts to 175 N-m (129 ft-lbs). (See figure 4)

Lower the vehicle onto the ground and joust suspension. Check the positioning of the rear relative to the body. Since panhard bars cause the rear end to travel in an arc, lowered vehicles require the rear end to be re-centered relative to the car body.

First, take a measurement (on each side of the vehicle) of the distance from the wheel to the top of the fender. Hold a plumb bob over the middle of each rear tire with the string on the center of the flat section of the fender arc. Measure the distance from the point of the plumb bob to a fixed point on the wheel. Be sure to use the same fixed point on both sides. (See figures 5 & 6)

Adjust the panhard bar until this distance is the same on each side of the car within 1/8". This is accomplished by rotating the billet sleeve clockwise and counter clockwise. Both jam nuts need to be loose in order to do this. When the rear end is centered, tighten the jam nuts. It is recommended that all jam nuts have blue Loctite applied before final tightening.



Figure 4



Figure 5



Figure 6