



KM009 TUBULAR K-MEMBER INSTALLATION INSTRUCTIONS

2005-2014 Ford Mustang, GT500

NOTE: This version of K-member has no provision for motor mounts and is designed for custom fabricated mounts or motor plates. If your application requires motor mounts please use part numbers: KM018 or KM020.

INSTALLATION:

1. Lift vehicle and safely secure using stands under the frame rails. Remove both front wheels/tires.
2. Using an 18mm deep socket, loosen the outer tie rod end nuts and knock them loose from the spindles with a brass hammer. (**IMAGE 1**)
3. Loosen and remove the A-arms' ball joint cross-bolts using a 15mm wrench and an 18mm socket. Knock or pry the ball joint loose from the spindle. (**IMAGE 2**)



4. Remove the front steering shaft bolt using a 13mm socket or wrench. (**IMAGE 3**)
5. Unplug the wires from the front of the rack and pinion as shown in **IMAGE 4**.



6. Using a 15mm socket with an extra long extension, remove both motor mount nuts from the top.



KM009 TUBULAR K-MEMBER INSTALLATION INSTRUCTIONS

(Continued)

7. Support the motor and transmission in preparation for removal of the K-member and A-arms. It is recommended to place a stand under the transmission bellhousing as shown in **IMAGE 5** to the right.
8. Using an 18mm socket, remove all 8 K-member bolts and lower the K-member/A-arm/Rack assembly.
9. Using an 18mm socket, remove the (3) bolts (If



you have a 2005-2010 model you will only have 2 bolts) that connect the rack and pinion to the OE K-member.

(IMAGE 6)

10. Using the provided 12mm x 130mm bolts, nuts, and washers, bolt the rack to the BMR K-member using a 19mm wrench and socket. Insert the provided 14mm x 100mm bolt, nut, and washers into the rear mount of the rack (2011-2014 models only) and tighten using a 22mm wrench and socket.
11. If you are re-using the OE A-arms, remove all (4) rear A-arm bolts from the factory K-member using a 21mm deep socket. Using an 18mm socket, remove both front A-arm bolts then remove the A-arms.
12. Install the BMR K-member onto the car using the factory mounting hardware. Tighten all 8 K-member mounting bolts to 85 ft/lbs. using an 18mm socket. Lower jack and remove.
13. Re-attach the tie rod ends to the spindle and tighten using the 18mm deep socket.
14. Plug the electrical connectors back into the rack and pinion.
15. Re-install the steering shaft and tighten using a 13mm socket.
16. Install the OE or BMR A-arms using the supplied aluminum spacers and mounting hardware. The 9/16" x 2.5" bolts go on the rear A-arm mount and the 14mm x 100mm bolts go on the front A-arm mount. Tighten the front A-arm bolts to 126 ft/lbs. using a 22mm wrench and socket. Tighten the rear to 110 ft/lbs. using a 13/16" wrench and a 7/8" socket.
17. Insert the ball joint into the spindle and insert the cross-bolt. Tighten to 40 ft/lbs. using a 15mm wrench and 18mm socket.
18. If using BMR A-arms, grease the inner bushings and outer ball joint as shown in **IMAGE 11**.
19. Re-install wheels/tires and lower vehicle.



WWW.BMRSUSPENSION.COM

This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, Buyer assumes all risk of any caused to the vehicle/person during installation or use of this product.