



JAMES BARONE RACING AFTERMARKET PARTS AND ACCESSORIES

2010 – 2013 Mazda 3 and Mazdaspeed 3 JBR Adjustable Front Sway Bar Installation Instructions

What you will need:

- Jack and Jack Stands (a lift is recommended)
 - 14mm & 19mm wrenches
 - 5mm & 3/16 allen wrenches
 - Socket wrench and torque wrench
 - 10mm, 12mm 14mm 17mm, 21mm sockets
- ❖ **Begin by parking on a smooth level surface with the emergency brake engaged. Jack up the front of the vehicle and position jack stands underneath both sides.**

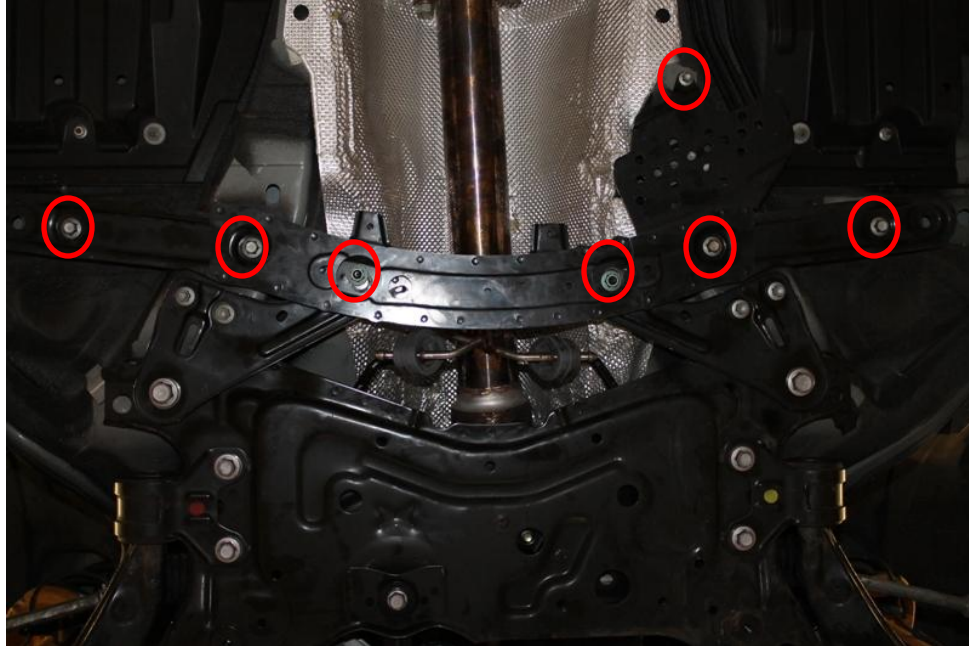


**Refer to your vehicle's owner's manual for proper jack placement and supporting procedures.
Never get under a vehicle without the proper support in place.**

1. Remove both front wheels and using a 14mm closed ended wrench and a 5mm allen wrench, remove both end links.



- Using a 10mm socket and a 14mm socket, remove the cross member.



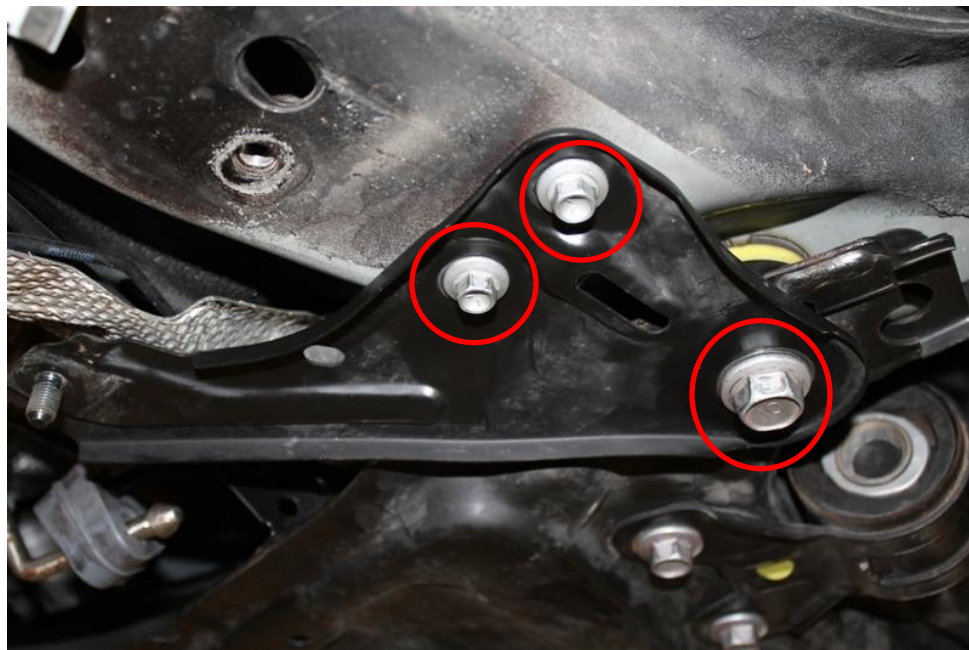
- Remove the exhaust hangers.



- Using a 17mm socket, remove the rear motor mount. (alternate sizes may be required depending on your rear motor mount)



- Using a 12mm and 21mm socket remove the rear sub-frame bolts and gussets.



- Using a 17mm socket remove the rear lower control arm bolts.



- Using a 17mm socket remove the front 2 sub-frame bolts.
 - Do not worry, the sub-frame will not fall. It is held up by the steering and struts.



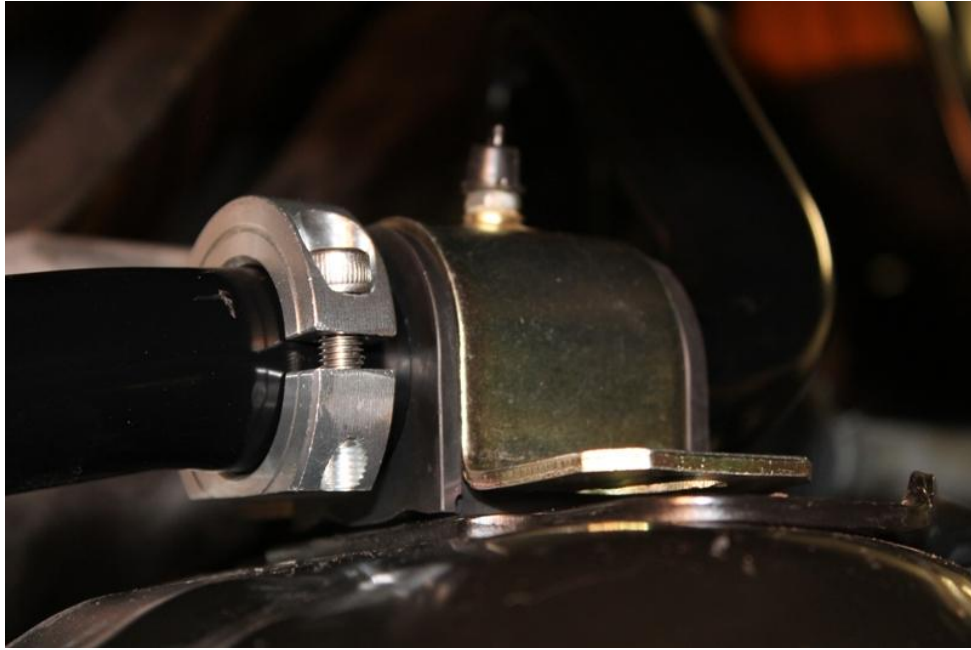
8. Remove the sway bar brackets.



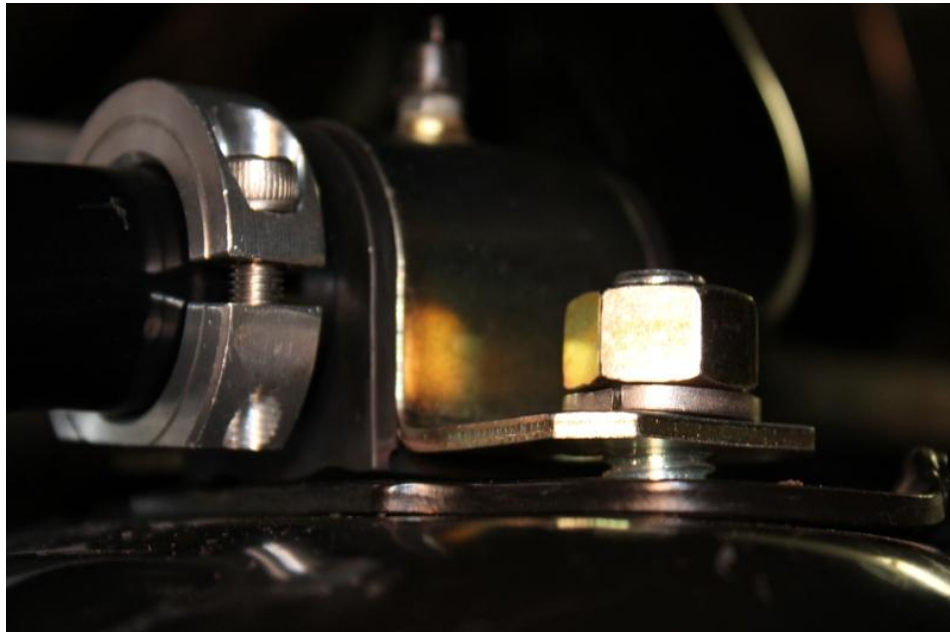
9. Pull down on the sub-frame as much as possible. You'll be able to pull down more on the passenger side than the driver's side. While pulling down on the passenger side, lift the sway bar up and over the passenger side tie rod, and begin to pivot the bar towards the rear of the car. After the sway bar has cleared the passenger side of the sub-frame, rotate it over towards the driver's side. Once it's almost parallel with the side of the car, rotate the bar clockwise to clear the driver's side tie rod and remove the sway bar from the vehicle.
10. Using a 3/16 allen wrench loosely install the included lateral locating collars on to your new JBR front sway bar with the flat sides facing down. Position them just to the outside of the inner bend but do not tighten.



11. Carefully install your new JBR Front Sway Bar in to the vehicle reversing the removal process in step 9. Patience is required here to avoid too many scratches.
12. Apply one supplied packet of silicone grease to each bushing. Install the bushings and brackets on to the sway bar outboard of the lateral locating collars.



13. Place one thick flat washer on to each bolt supplied with your kit. Install all 4 bolts up through the lower control arms and loosely secure each with a lock washer and a nut.



14. Carefully center the sway bar in the car.
15. With the bolts still loose, pull the sway bar as far back towards the rear of the car as the sway bar brackets will allow.
16. Using a 19mm socket and 19mm wrench tighten all 4 lower control arm bolts installed in step 13. Torque to 55-75ft/lbs
17. Next, slide the lateral locating collars up to the side of each sway bar bushing. With the collar's flat side parallel to the sub-frame, tighten with a 3/16 allen wrench.
 - Now would be a good time to grease the bushings thoroughly with a grease gun.
18. Using a jack, raise the sub-frame assembly and loosely install the front 2 sub-frame bolts removed in step 7.
 - Look for impressions left in the chassis from where the sub-frame made contact and line the sub-frame up with those impressions to avoid the need for an alignment.
19. Next, raise and loosely install all the rear sub-frame bolts along with the gussets.
 - Look for impression left in the chassis from where the sub-frame made contact and line the sub-frame up with those impressions to avoid the need for an alignment.
20. Torque the front sub-frame bolts to 45ft/lbs and the rears to 50ft/lbs.
21. Tighten the 12mm gusset bolts to 25ft/lbs
22. Reinstall the cross member and tighten the 14mm bolts to 25ft/lbs and the 10mm bolt to 15ft/lbs.
23. Reinstall the rear motor mount and tighten to 45ft/lbs or that recommended by your mounts manufacturer.
24. Reconnect the end links to the desired location and tighten to 25ft/lbs
25. Reinstall the exhaust hangers and the front wheels.

Congratulations!!

You've now completed the installation of your
New JBR Adjustable Front Sway Bar!

SHIPPING

All orders are carefully inspected and packaged prior to shipment. The recipient must inspect all shipments for damage and report any damage to the carrier and JAMES BARONE RACING immediately. JAMES BARONE RACING is not responsible for damage that occurs during shipping.

RETURNS:

All sales are final. JAMES BARONE RACING will only accept returns in the event of a manufacturer's defect. Defective items will be exchanged for the identical item or repaired at our discretion. Return shipping costs are the responsibility of the purchaser. An RMA # (Return to Manufacturer Authorization Number) must accompany all returns. In rare cases when a return is accepted, a 15% restocking fee will be deducted from the refund or credit. Shipping charges are non-refundable. No returns or exchanges will be accepted after 30 days.

DISCLAIMERS:

Failure to carefully follow the installation instructions for your JAMES BARONE RACING product could result in significant property damage, personal injury, injury to others or even death. Please take the time to read and thoroughly understand the instructions prior to installation. The instructions are as accurate as possible and may vary slightly from model year to model year. Professional installation is recommended.

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WARRANTY:

All JAMES BARONE RACING products carry a lifetime warranty to the original purchaser. Warranty is non-transferable. Supporting components, manufactured by companies **other** than James Barone Racing, carry the manufacturer's warranty. Warranty does not cover damage to coatings caused by exposure to the elements. Warranty does not cover damage or failure caused by abuse, misuse, faulty installation or repairs not conducted by JAMES BARONE RACING. JAMES BARONE RACING is not liable for consequential damages arising from the use of our products or any indirect damages resulting in the loss of property, revenue or costs for towing, removal, installation, or re-installation. To receive warranty service you must contact JAMES BARONE RACING to receive an RMA # (Return to Manufacturer Authorization Number) at which time you will be provided with instructions for returning the faulty product

CONTACT:

If you have questions or problems, e-mail us at jamesbaroneracing@gmail.com. Posting questions or problems in the forums or other social media outlets will only delay you from getting the correct answer or personalized attention from us.