



**JAMES BARONE RACING**

## **2014+ Mazda 3/6 & CX-5 Front Sway Bar Installation Instructions**

### **Tools Required:**

- ✓ Jack & jack stands or a lift
- ✓ Socket wrench
- ✓ 3" and 12" socket extensions
- ✓ 10mm, 14mm, 17mm, 19mm socket
- ✓ 14mm wrench
- ✓ Flat head screw driver

### **Parts List:**

- ✓ 1 double adjustable sway bar
- ✓ 2 sway bar brackets and bushings
- ✓ 2 packets of installation grease

1. 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 for safety and support.

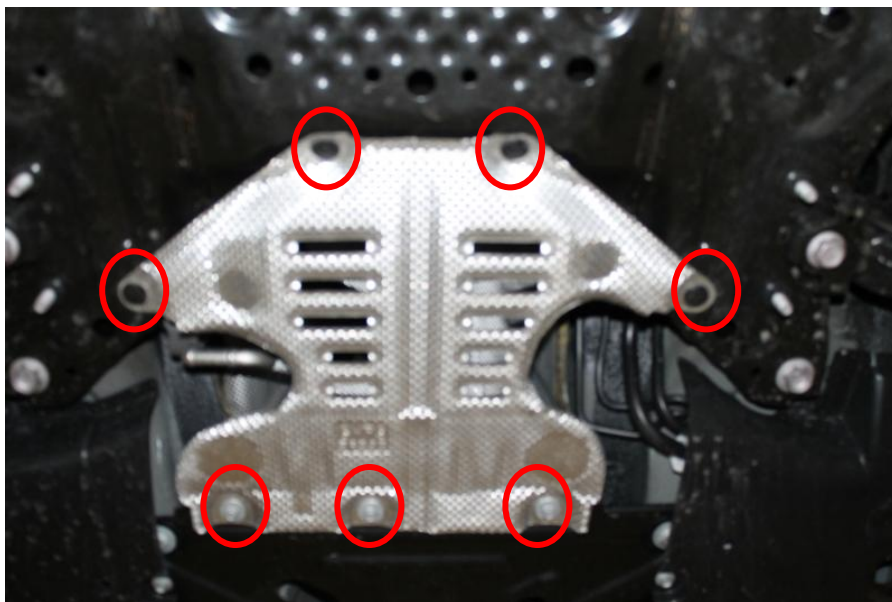


Refer to you vehicles owner's manual for proper jack placement and supporting procedures. **Never get under a vehicle without the proper support in place.**

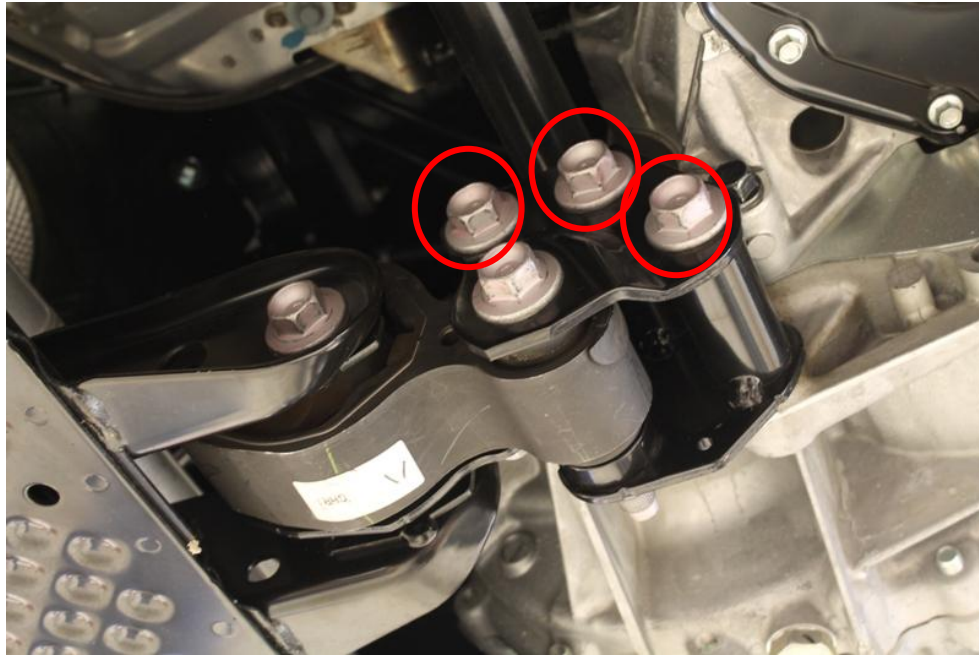
2. Remove all the bolts and push lock pins securing the engine belly pan using a 10mm socket and a flat head screw driver.



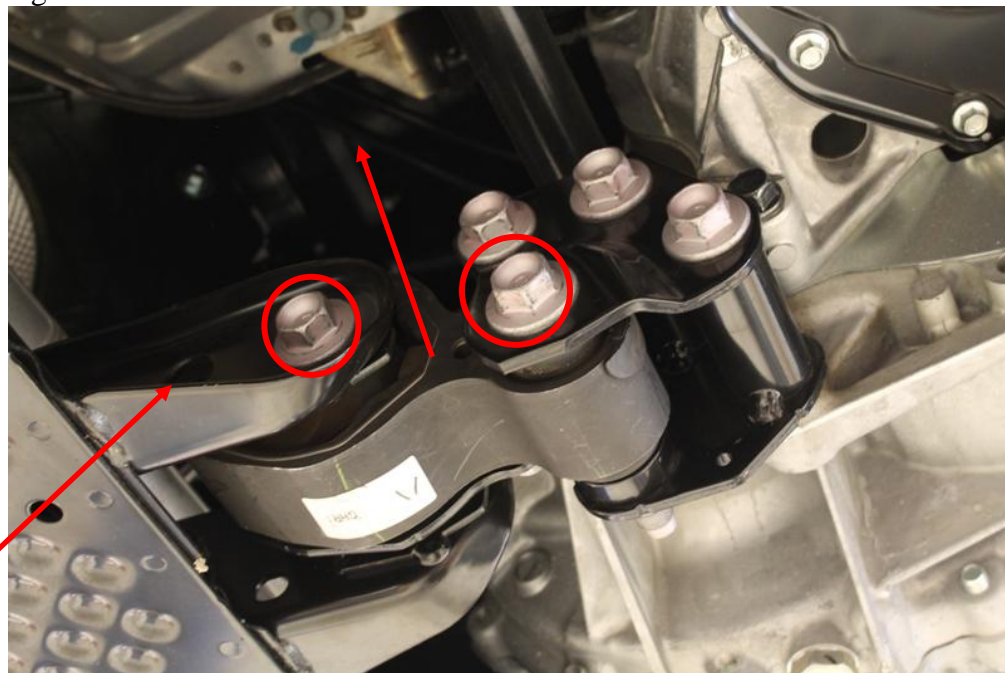
3. Remove all the bolts and push lock pins securing the heat shield using a 10mm socket and a flat head screw driver.



3. Next, use a 17mm socket to loosen the rear motor mount bolts about half way; do not remove them.



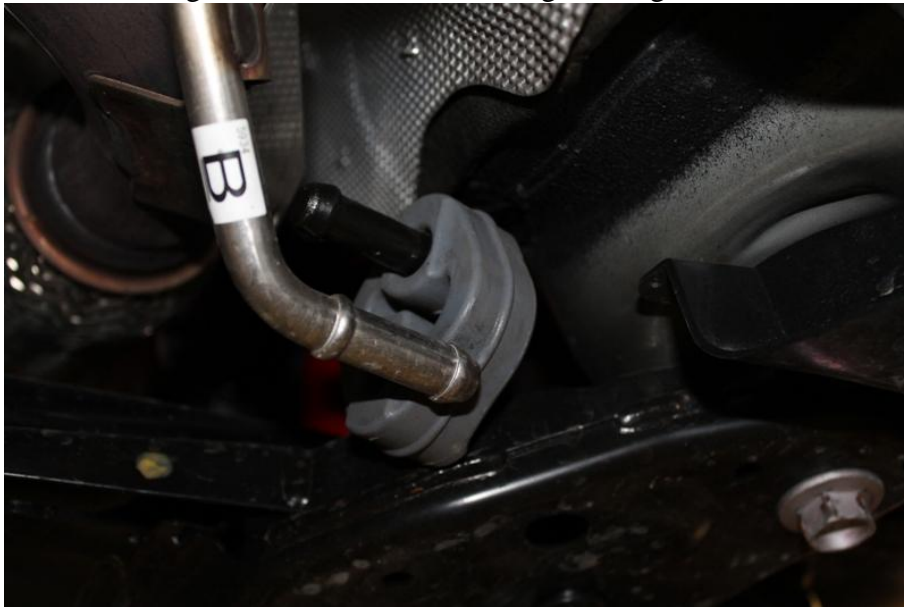
4. Remove the two bolts using a 17mm socket then, remove the mount from the top side of the rear mounting bracket.



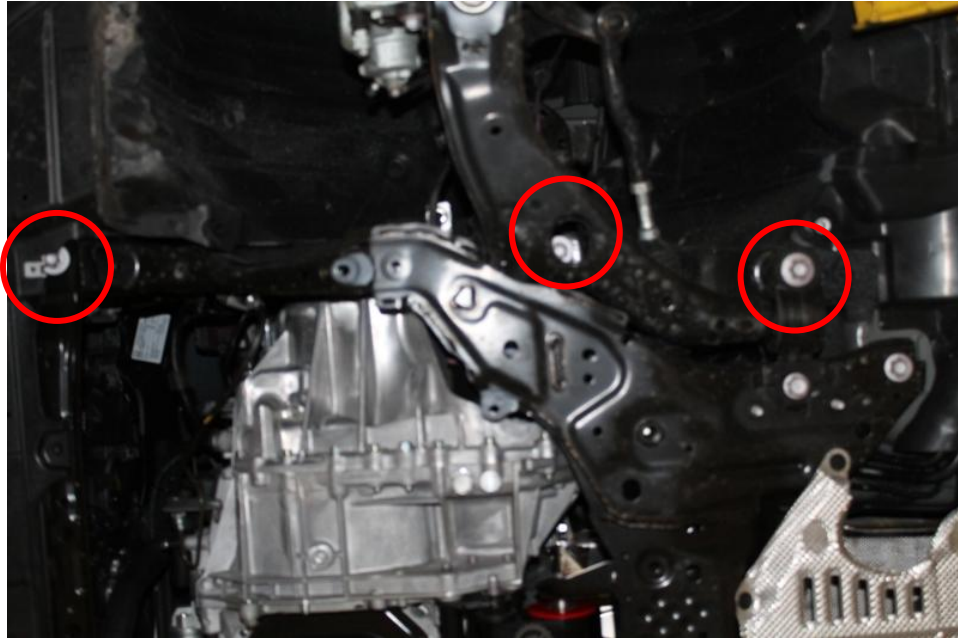
- Using a 14mm wrench remove the nuts from both end links.



- Remove the exhaust hanger from its rubber mounting bushing.



7. Support the sub-frame using a jack or jack pole and remove the 3 bolts on either side that secure the sub-frame to the chassis using a 17mm and 19mm socket. Then lower the sub-frame until it hangs with no support.



8. Using a 14mm socket remove the 4 bolts, 2 on each side, that secure the OEM bushings and brackets to the top side of the sub-frame.



9. Remove the sway bar from the vehicle by moving it back, sliding it towards the driver's side, up and over the driver's side axle. Rotate it clockwise while pivoting it towards the rear and driver's side of the vehicle. Once it's parallel with the driver's side, remove it from the vehicle. The next series of pictures illustrate the removal and installation process.



- Using one packet of installation grease for each, spread an even coat on the inside of the each bushing and install them on the sway bar along with the brackets as shown. Re-install your new JBR sway bar in the vehicle. Locate the brackets as far to the rear as the bolts removed in step 8 will allow and tighten to 40ft/lbs.



- Raise the sub-frame and align it as close as possible with the marks left in the chassis from the sub-frame bushings. Tighten the 19mm bolts to 80 ft/lbs and the 17mm to 65 ft/lbs.
- Perform the remaining steps in reverse order.

The softest setting is the hole closest to the end of the sway bar. The stiffest is the second hole from the end of the sway bar. Tighten each end link nut to 40ft/lbs.

**Congratulations!! You've just completed the installation of your new JBR Double 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 except 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 where a return is accepted a 20% 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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## **CONTACT:**

If you have questions or problems, e-mail us at [jamesbaroneracing@gmail.com](mailto: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.