



James Barone Racing
Custom Fabrication of Aftermarket Parts and Accessories

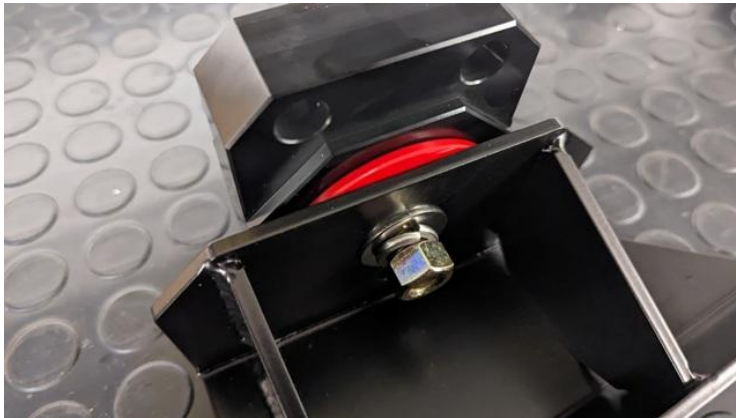
07'-2013 Mazda 3 & MAZDASPEED 3
JBR Passenger Side Motor Mount Installation Instructions

Tools Required:

Jack, Jack Stands or Ramps
Ratchet Wrench
Torque Wrench
11mm Socket
10mm Socket
17mm Socket
19mm Socket
11mm Wrench
19mm Wrench
Flat Head Screw Driver

1. Using the hardware provided, a 19mm socket and wrench, assemble the mount exactly as shown in the following series of photos. Torque to 65ft/lbs





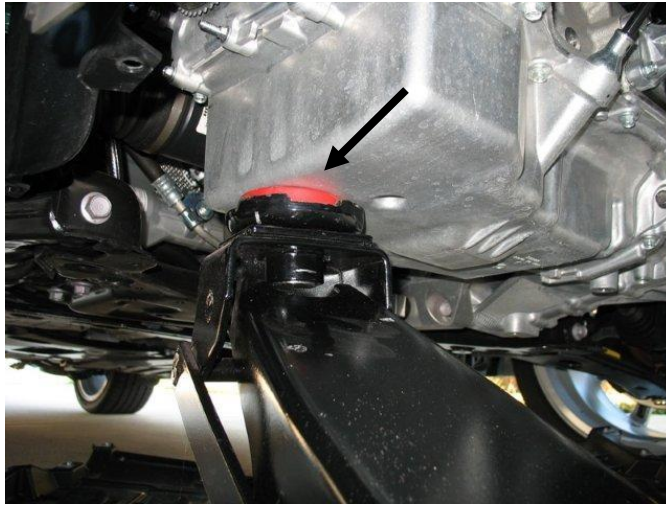
2. Begin by parking on a smooth level surface with the emergency brake engaged. Jack up the front of the vehicle and position jack stands underneath both sides.



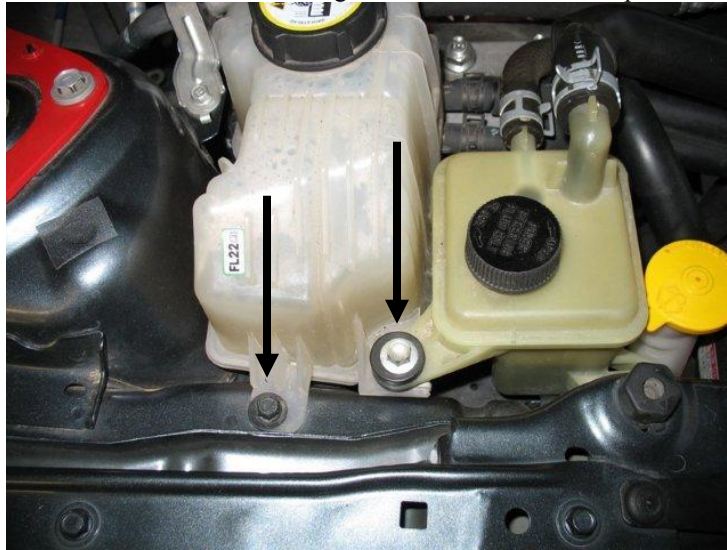
Refer to you vehicles owner's manual for proper jack placement and supporting procedures. Never get under a vehicle without the proper support in place.

3. Remove the belly pan and support the motor at the rear passenger side of the oil pan. Be sure to use a block of wood or jack pad.

NOTE Just take some weight off the motor; there is no need to raise it.

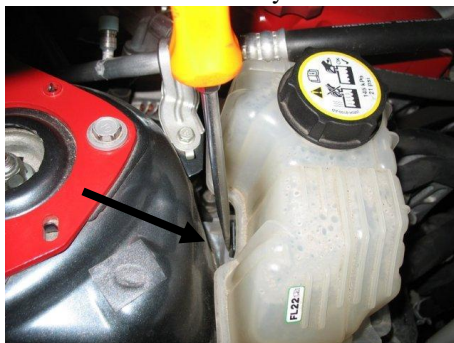


4. (07'-09') Remove 2x 10mm bolts securing the coolant reservoir and power steering reservoir.



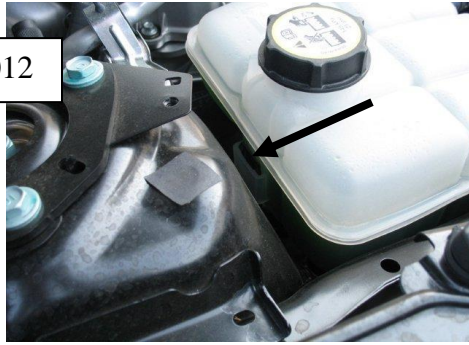
5. (All Years) Remove the coolant and power steering reservoirs by inserting a flat head screw driver in to the tabs and pulling up.

NOTE The reservoirs can be pivoted by their hoses towards the front of the vehicle and out of the way.

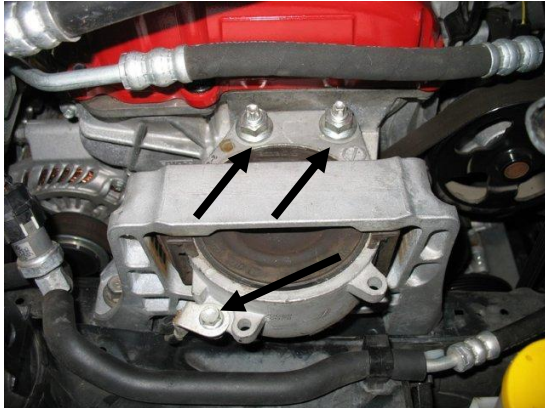


07'-09'

2010-2012



6. Remove 1x 10mm bolt for the ground strap, 2x 17mm nuts and 2x 17mm bolts from the mount and remove the mount from the car.



7. Remove 1x 10mm bolt and remove the ground strap.



8. Bend the end of the ground strap previously bolted to the mount on a 45* angle.



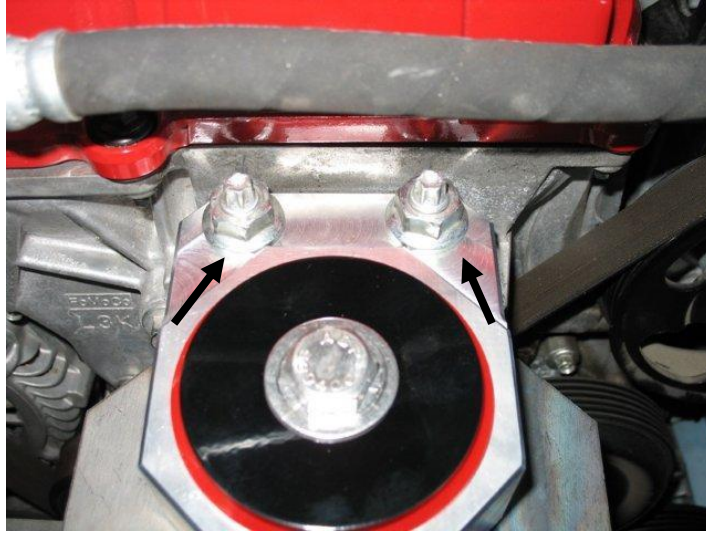
9. Flatten the tab on the end of the ground strap previously bolted to the chassis.



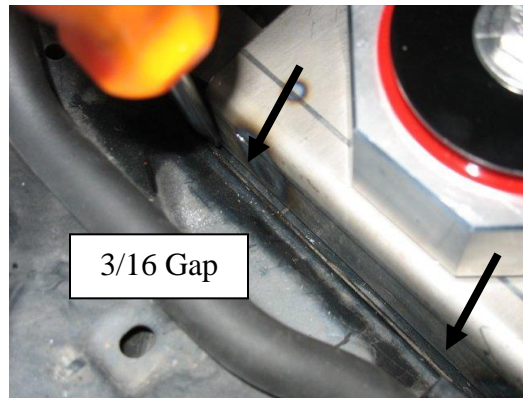
9. Remove the 8mm timing cover bolt located towards the rear of the vehicle above the alternator. Attach the end of the ground strap previously attached to the factory mount that you bent on a 45* degree angle in step 7 and tighten. Attach the other end of the ground strap using the 10mm bolt removed in step 6 to the rear most pre-existing hole in the sub-frame located in front of the alternator.



10. Place your new JBR Passenger Motor Mount in place and tighten to 60 Foot-pounds.



11. Next install the two 17mm bolts and tighten to 70 Foot-pounds. Moving the motor may be required for the holes in the chassis to line up with the holes in the mount. Ensure there is approximately a 3/16" gap between the chassis and the back of the motor mount. A flat head screw driver may be used to move the mount in to place while tightening. Never attempt to loosen the bushing bolt, doing so will void the warranty on the mount.



12. Re-install the coolant and/or power steering reservoirs.

CONGRATULATIONS YOU'RE ALL DONE!!

*****Warning*****

After a few days of driving recheck and if necessary re-torque of all mounting bolts to ensure they have not come loose.