

James Barone Racing
Custom Fabrication of Aftermarket Parts and Accessories

MAZDA 5
JBR Short Shift
Plate Installation Instructions

Installation may vary slightly by model

Stock Air Box Removal

- Remove the 3 screws holding the small cover on shown below and remove from the vehicle.



- Spread the 2 tabs on either side of the battery box cover and remove the cover as shown below.



- Remove the battery air scoop by lifting it up out of the front of the battery box and pulling towards the rear of the vehicle and out from the front as shown below.



- Disconnect the hose from its clamp shown below.



- Remove the tube shown below by pulling it out of the intake hose.



- Loosen the intake hose clamp shown below with a Philips head screw driver.



- Unclip all the clips holding the top half of the air filter box to the bottom half as shown below.



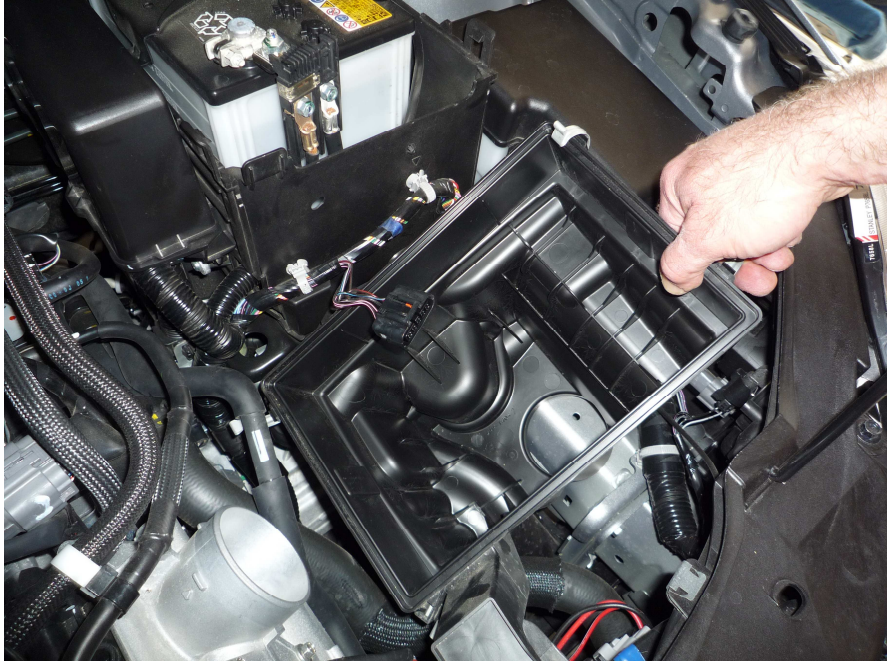
- Remove the connector for the MAF sensor shown below. Then remove the whole top section of the intake and air box from the vehicle.



- Remove the rubber hoop holding the bottom half of the air box as shown below.



- Tug/Pull up on the bottom half of the air box shown below and remove from the vehicle.



Battery, and Battery Box Removal

- Pull up carefully on the rear of the ECU cover as shown below.



- Using needle nose pliers pinch the connector on the front of the ECU cover and remove the cover as shown below.



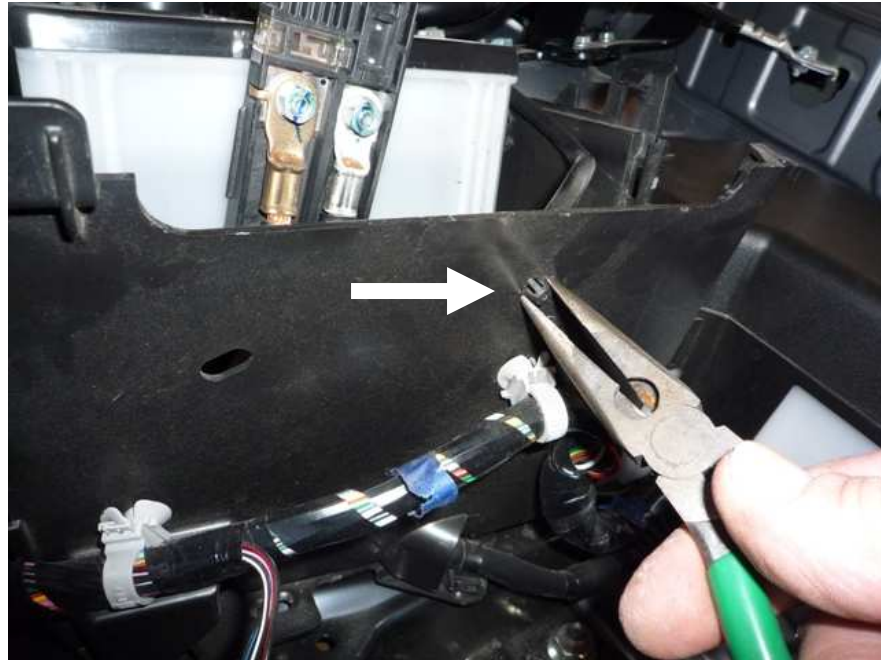
- Using a 10mm socket and socket wrench remove the nuts holding the cross bar over the top of the battery and remove the cross bar.



- Using a 10mm socket remove the negative battery cable **FIRST** then the positive cable and remove the battery from the car shown below.



- Using needle nose pliers remove the black wire connector from the front cover of the battery box as shown below.



- With front cover of the battery box laying forward remove the 2 grey wire connectors as shown below and remove the cover from the vehicle.



- Using a flat head screw driver slipped behind the white connector lever, pull up on the white lever and remove both of the ECU wire harness connectors as shown below.



- Slip the wire harness loom out of the hoop shown below.



- Using a 12mm socket remove the 3 bolts in the bottom of the battery box shown below.



- Remove the hose from the clamp at the back of the battery box shown below. Tilt the battery box towards the front of the vehicle and remove the battery box.



Short Shift Plate Installation

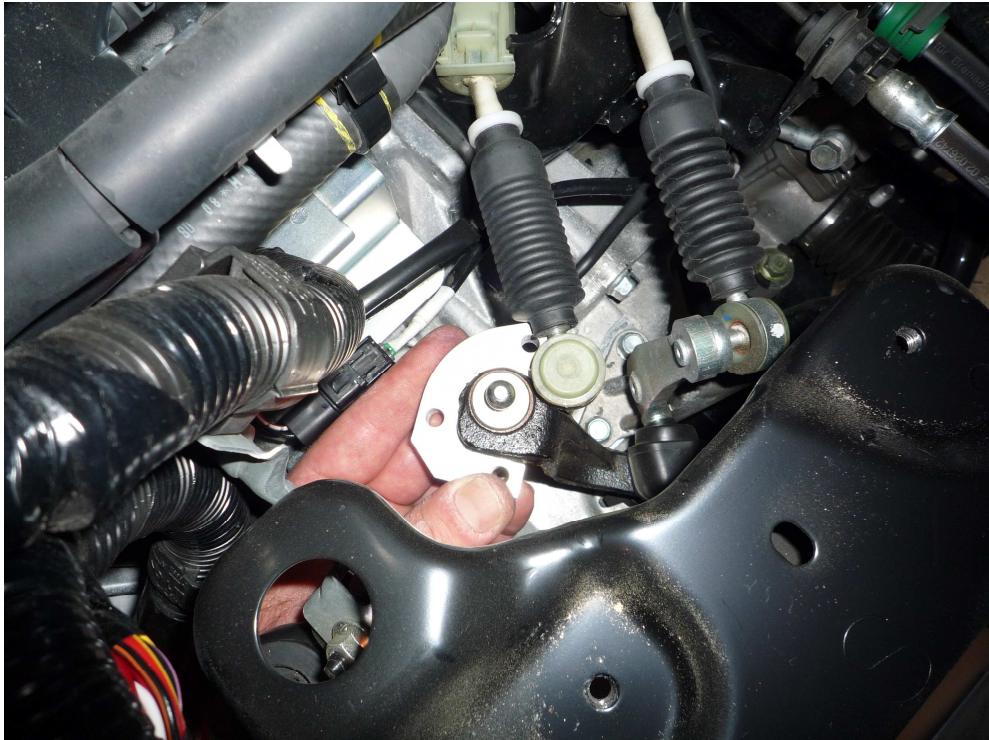
- Put the car in 4th or 5th gear
- With the shifter linkage exposed, and using a pair of needle nose pliers slipped under the cable head, pry down or up to pop the cable off the shifter arm as shown below.



- Place 1 flat washer on each of the 3 bolts as shown below.



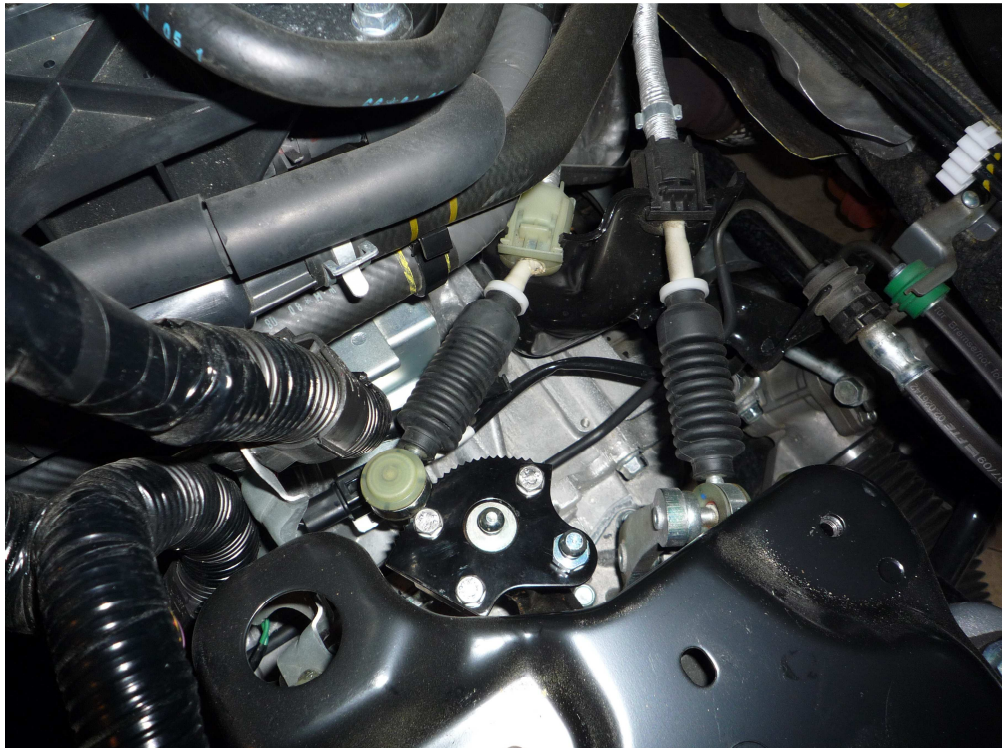
- Place all your hardware in arms reach.
- Now with one hand hold the base of the shifter plate below the shifter arm as shown below.



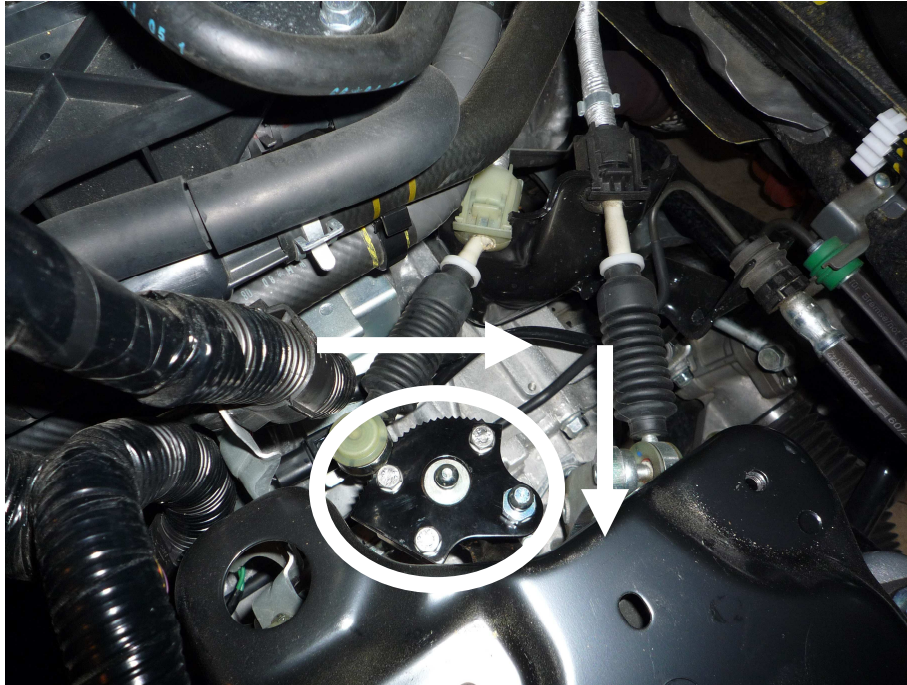
- With your other hand place the top half of the shifter plate on to the shifter arm as shown below.



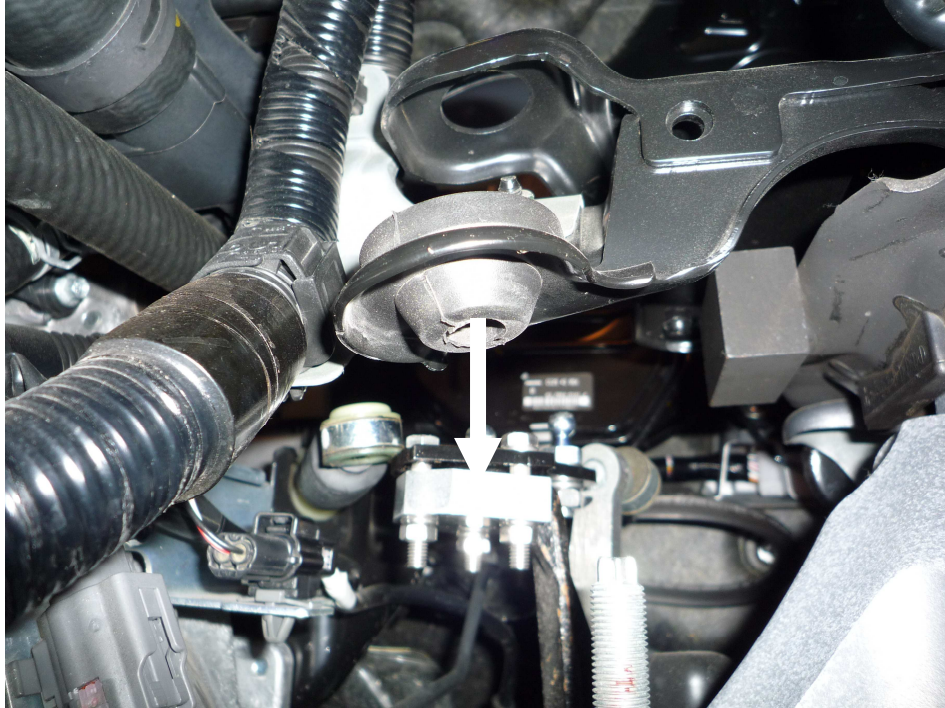
- Install each of the 3 bolts with washers through both the top and bottom half of the shifter plate assembly as shown below.



- Put 1 lock washer and 1 nut on each of the 3 assembly bolts and leave them loose. I've added an additional nut and washer to the kit in case you drop or loose one. Now with the bolts snug but not tight, rotate the shift plate assembly slightly clockwise to ensure both ball studs are in line and the assembly is in line with the factory shifter arm as shown below.



- Using a 10mm wrench and a 10mm socket and socket wrench, tighten the assembly as evenly as possible as shown from a side view below. **Do not over tighten the bolts or you WILL strip them and it will be very difficult should you ever need to remove the kit.**



- Re-attach the shifter cable by centering the cable over the new ball stud and pushing down until you here it snap in to place as shown below.



- Reinstall the battery box, battery, and air intake system.

Enjoy you new JBR Short Shifter

Failure to carefully follow the installation instructions for your JBR product could result in damage to your car or your new parts. Please take the time to read and thoroughly understand the instructions prior to installation. The directions are as accurate as possible and may vary slightly from model year to model year.

Thanks,
Jamie

Legal Disclaimer

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PLEASE DRIVE RESPONSIBLY.