JAMES BARONE RACING
AFTERMARKET PARTS AND ACCESSORIES

2014+ SKYACTIV Mazda 3, 2013+ Mazda 6 & CX-5
Solid Cable Mounting Bracket Bushing Installation Instructions

Tooling:

- ✓ Ratchet wrench
- ✓ 10mm socket
- ✓ 12mm socket
- ✓ Philips head screw driver
- ✓ Flat head screw driver

Parts List:

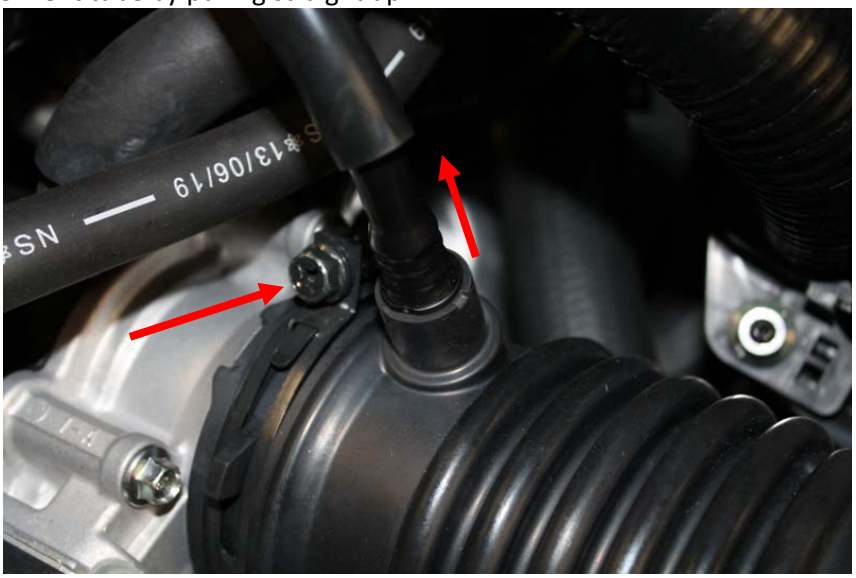
- ✓ 3 Solid female bushings
- ✓ 3 solid male bushings

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1. Start by opening the hood and removing the engine cover. Pull up on each corner to remove the cover.

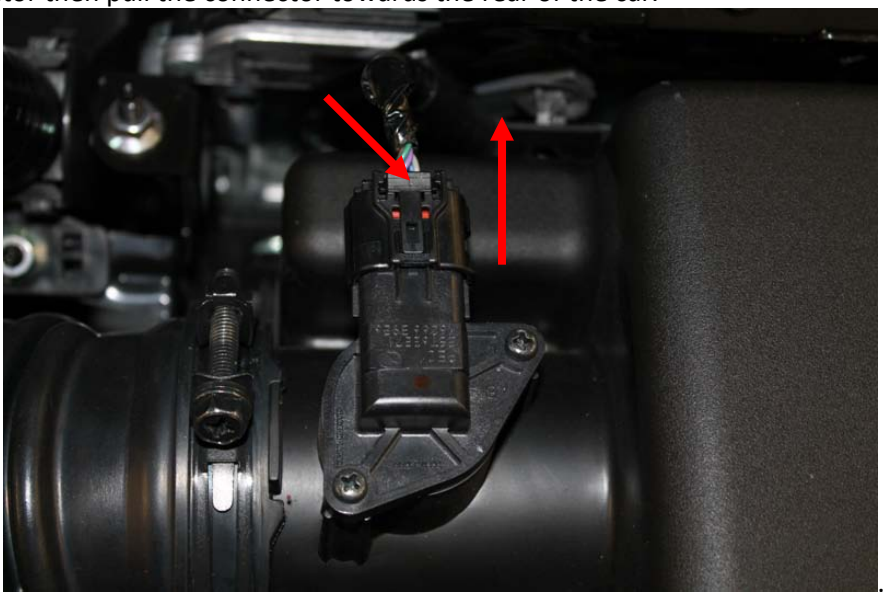


2. With a Philips head screw driver, loosen the hose clamp at the throttle body and remove the cam cover vent tube by pulling straight up.

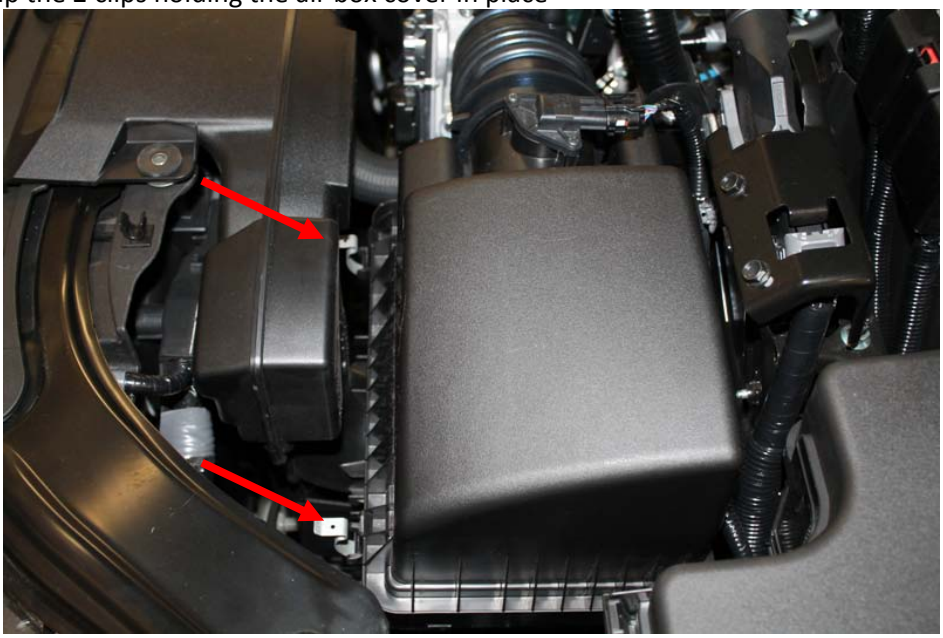


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3. Next remove the lead connected to the MAF sensor by depressing the tab at the rear of the connector then pull the connector towards the rear of the car.



4. Unclip the 2 clips holding the air box cover in place

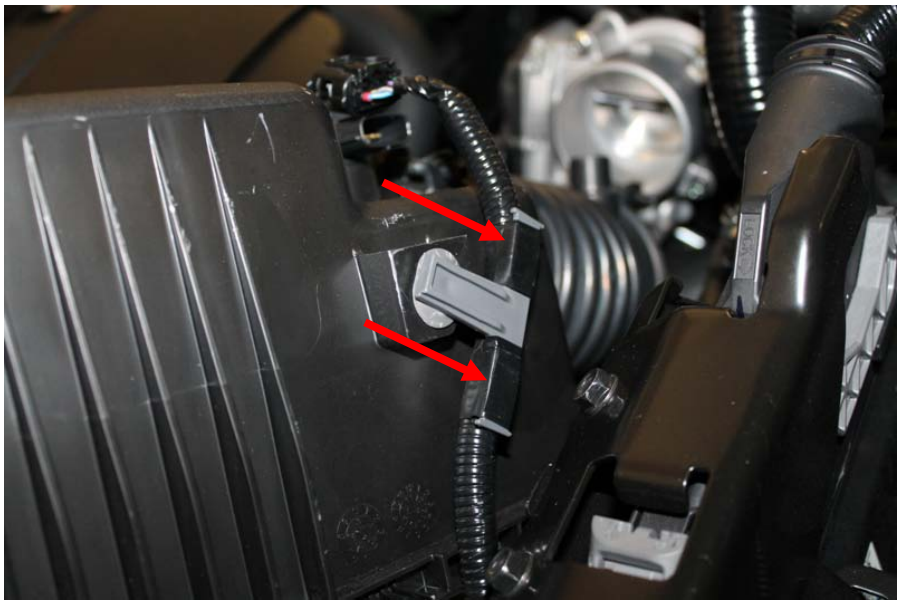


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5. Separate the top of the air box from the bottom and remove the rubber accordion hose attached to the throttle body.

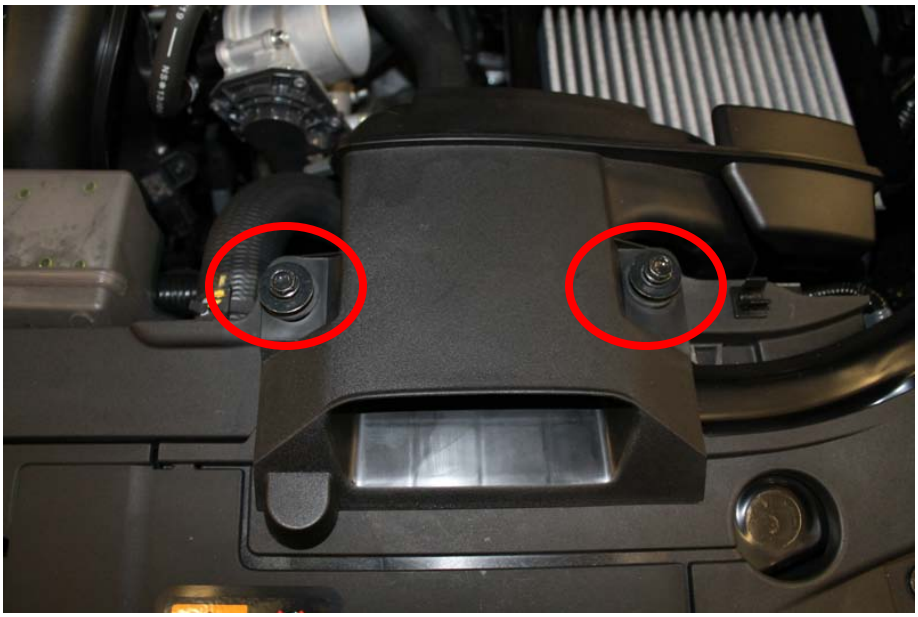


6. Using a razor knife carefully cut the tape securing the MAF sensor wire from the back of the air box cover and remove the cover from the vehicle.

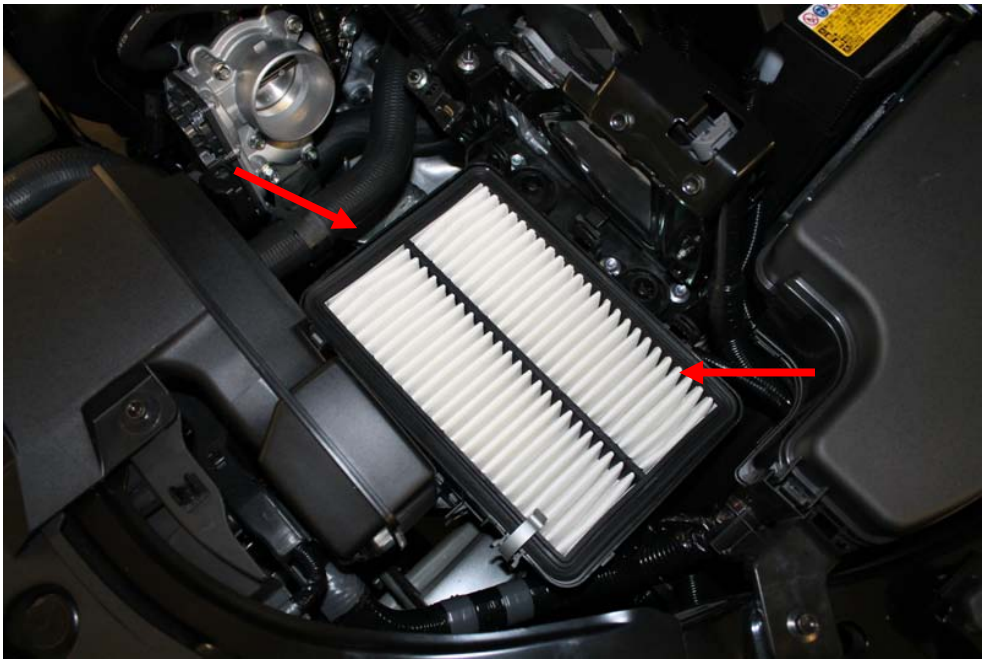


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7. Using a 10mm socket remove the two bolts shown below.



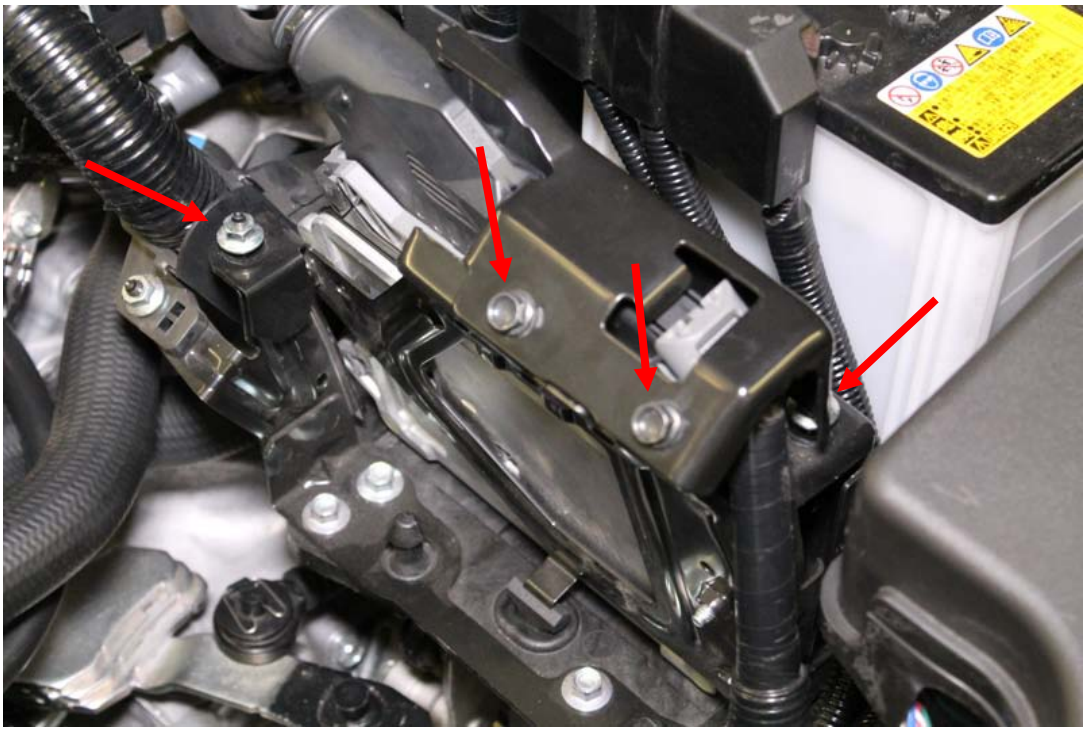
8. Grab the bottom section of the air box firmly and give it a swift tug upwards to remove the entire lower portion of the air box from the vehicle.



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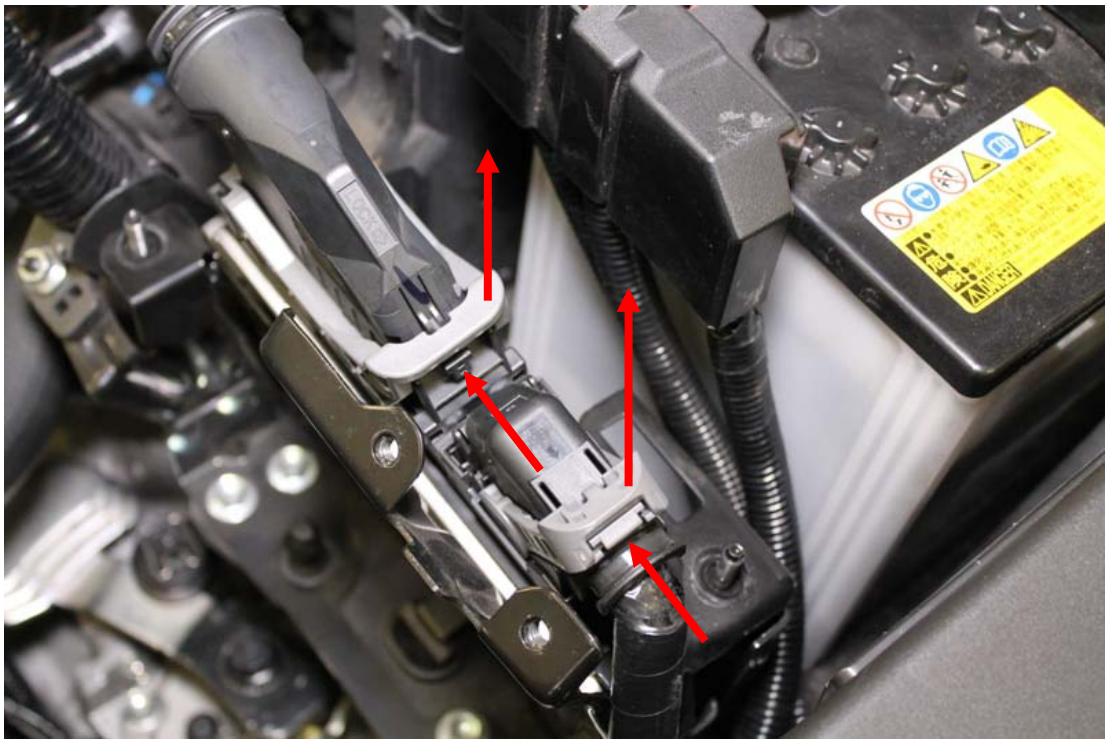


9. Using a 10mm socket, remove the 2 bolts securing the ECU cover and the two nuts securing the ECU mount bracket.



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10. Depress the tabs on each ECU wiring connector, pivot the arm of the connectors up and remove both ECU connections. Remove the ECU from the vehicle.

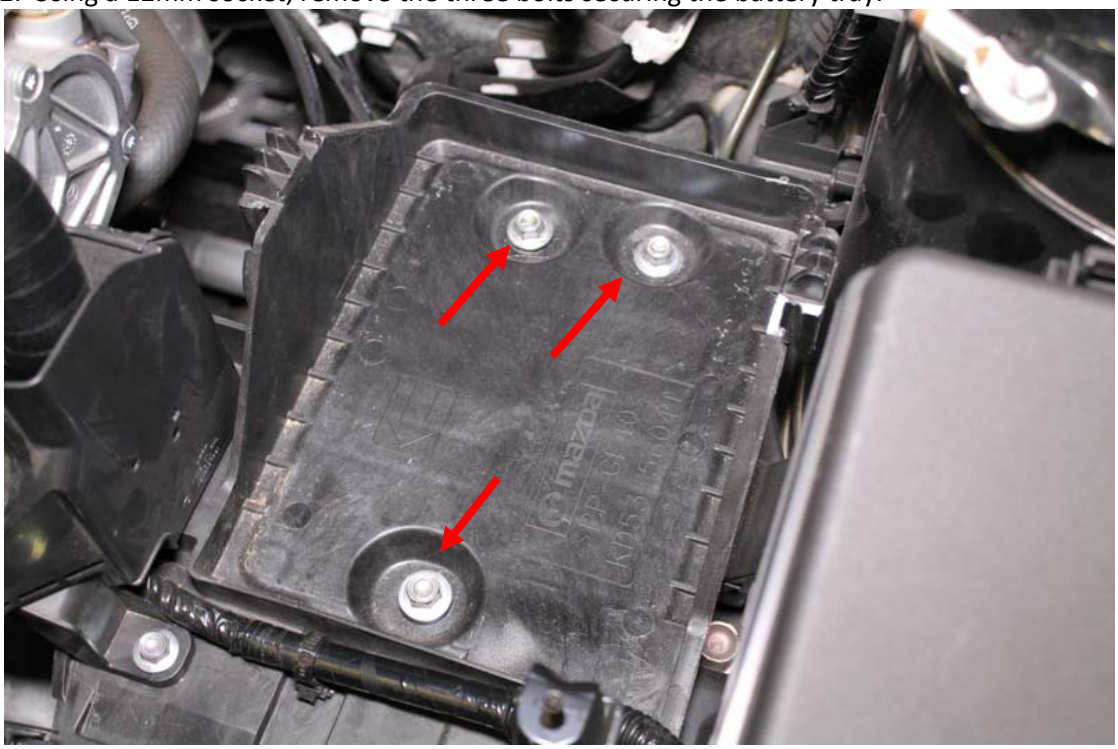


11. Using a 10mm socket, remove the battery hold down bracket, the negative battery cable, the positive battery cable and remove the battery from the vehicle.

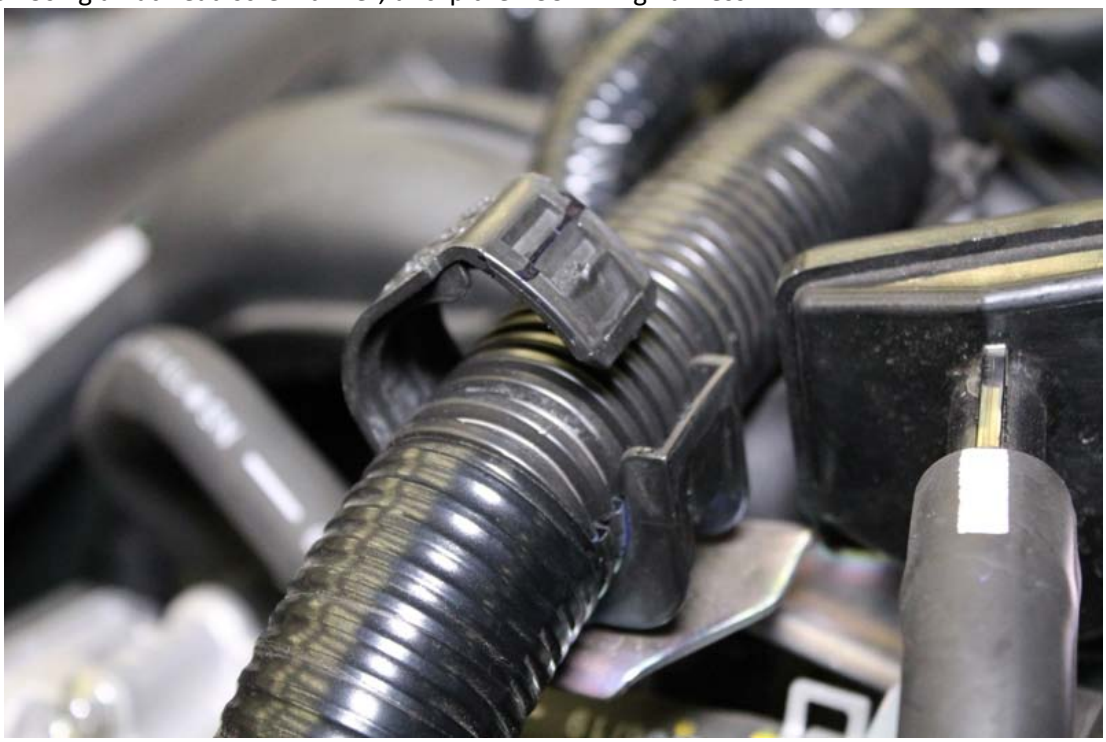


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12. Using a 12mm socket, remove the three bolts securing the battery tray.



13. Using a flat head screw driver, unclip the ECU wiring harness.

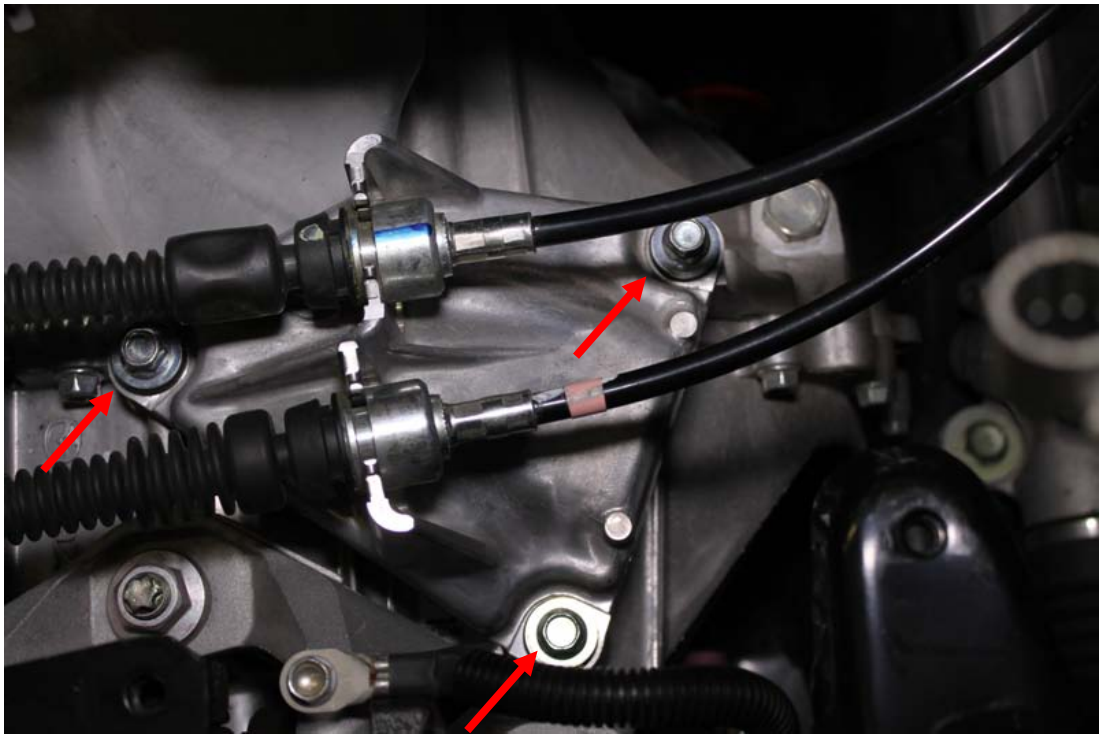


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14. Pivot the battery tray towards the front of the vehicle.

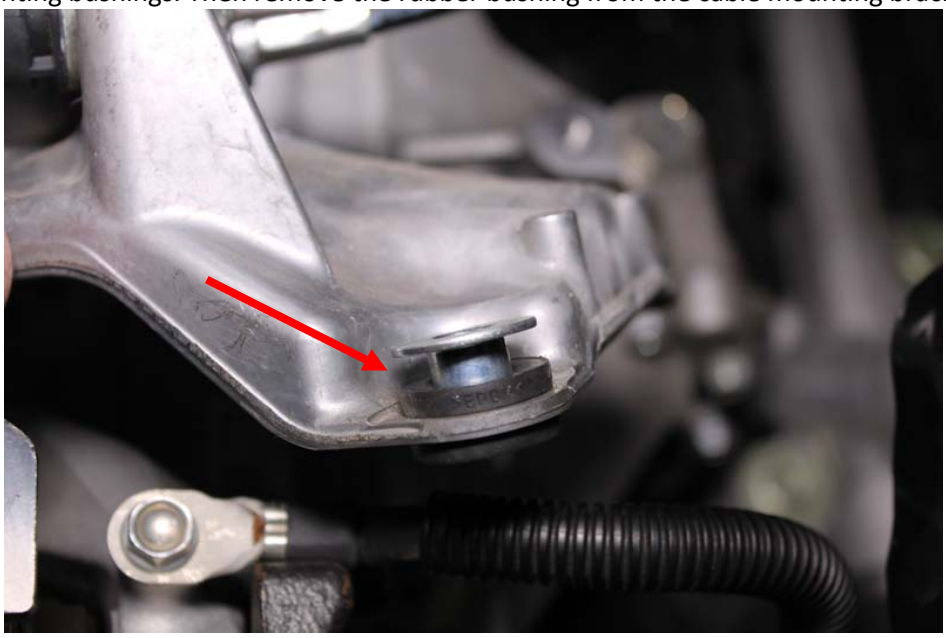


15. Using a 12mm socket, remove the 3 bolts securing the cable mounting bracket to the transmission.

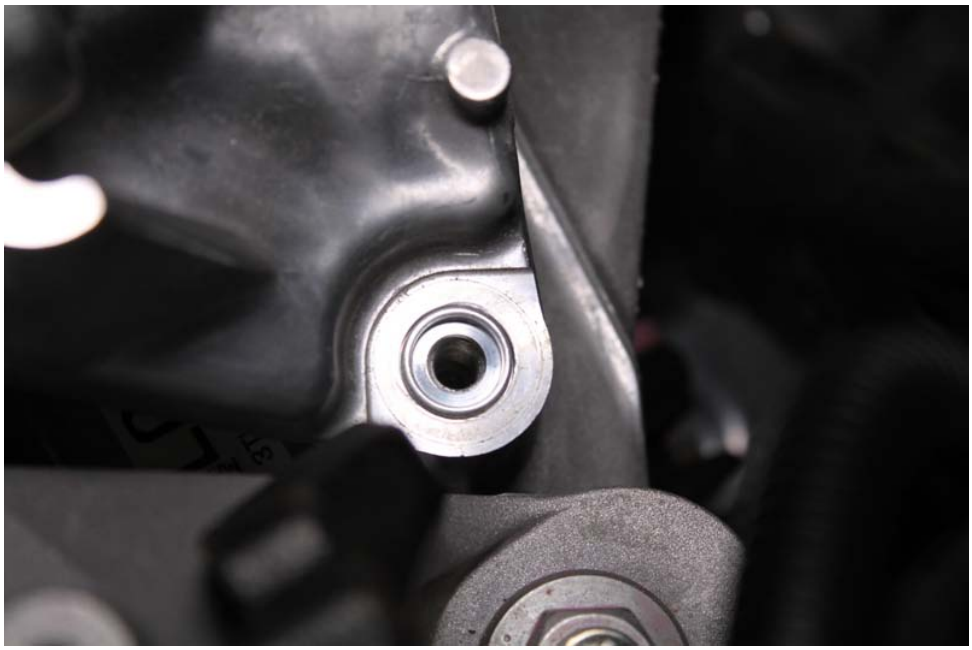


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16. Using a flat head screw driver remove the 3 steel sleeves from the center of the OEM rubber mounting bushings. Then remove the rubber bushing from the cable mounting bracket.



17. Place the 3 female aluminum spacers included with your kit below the cable mounting bracket and the 3 male bushings on top of the cable mounting bracket. Then re-secure the mounting bracket and tighten using a 12mm socket to 23ft/lbs.
    - The female bushings will index into the holes of the (beneath) cable mounting bracket and the male bushing will index into the female bushing when put on top.
    - It's easier to install one set of bushings at a time, leaving each bolt loose until all three have been installed.



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18. Reinstall the battery tray, battery, ECU, ECU connections, ECU cover, and reconnect the positive battery connection. Reconnect the negative when the entire installation is complete.





19. Re-install the air box assembly and enjoy a more connected and crisper shifting experience.

Congratulations!! You've now completed the installation of your new JBR Solid Shifter Cable Mounting Bracket Bushings!!

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