james Barone Racing
Aftermarket Parts and Accessories

2006 - 2013 MAZDASPEED 3/6 & CX-7
EGR BLOCK OFF & EGR DELETE
INSTALLATION INSTRUCTIONS

Tooling:

- Socket wrench
- 8mm, 10mm & 12mm socket
- 10mm allen wrench or 10mm allen socket
- Socket extensions
- Needle nose pliers
- 13mm wrench
- Large crescent wrench

Parts List – Block Off Kit:

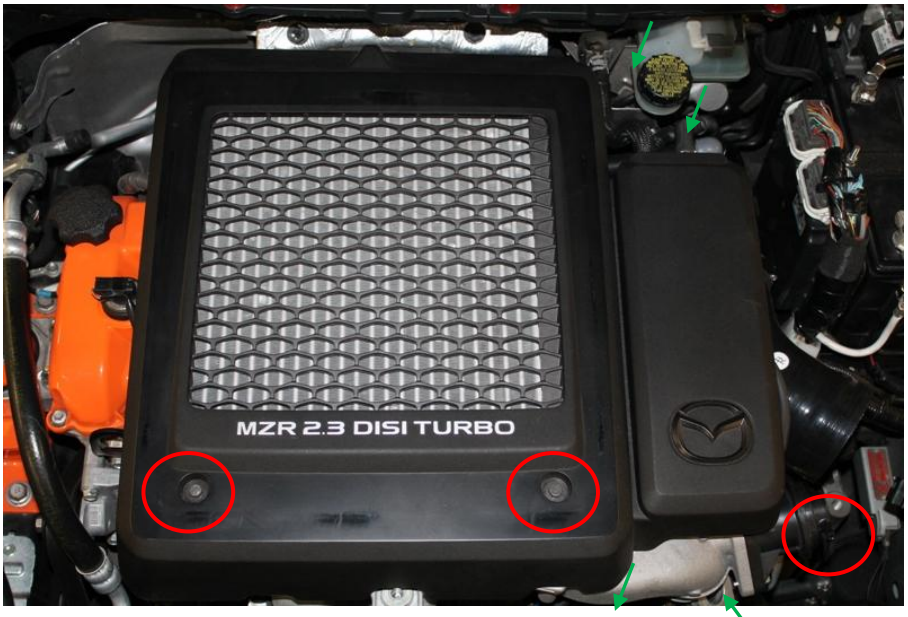
- 1, EGR intake manifold plug
- 1, EGR tube block off plate

Parts List – EGR Delete Kit:

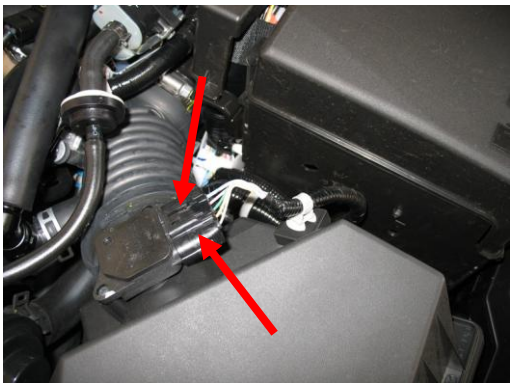
- 1, EGR delete Plate
- 2, 8mm x 1.25 x 25mm tap bolts
- 2, 8mm lock washers
- 1, 1/8" NPT x hose adapter
- 1, 5/16" hose clamp

Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

1. Remove the OEM top mounted **intercooler cover** using a 10mm socket. Use a 10mm socket to remove the **4 clamps** securing the hot side and cold side boost tubes. Use a pair of pliers and remove the clamp securing the bypass hose to the bypass valve. Use a 12mm socket to remove the 3 nuts securing the intercooler. Remove the intercooler.



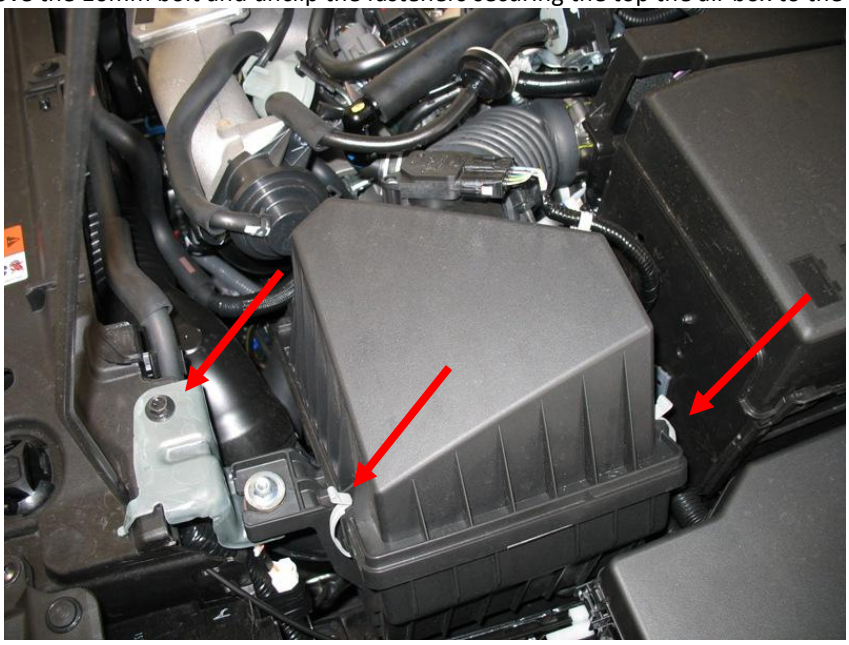
2. Using a philips head screwdriver, loosen the clamp securing the intake tube to the top of the factory air box. Then remove the connection to the MAF sensor by squeezing the tab and pulling the connector off.





Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

3. Remove the 10mm bolt and unclip the fasteners securing the top the air box to the bottom.

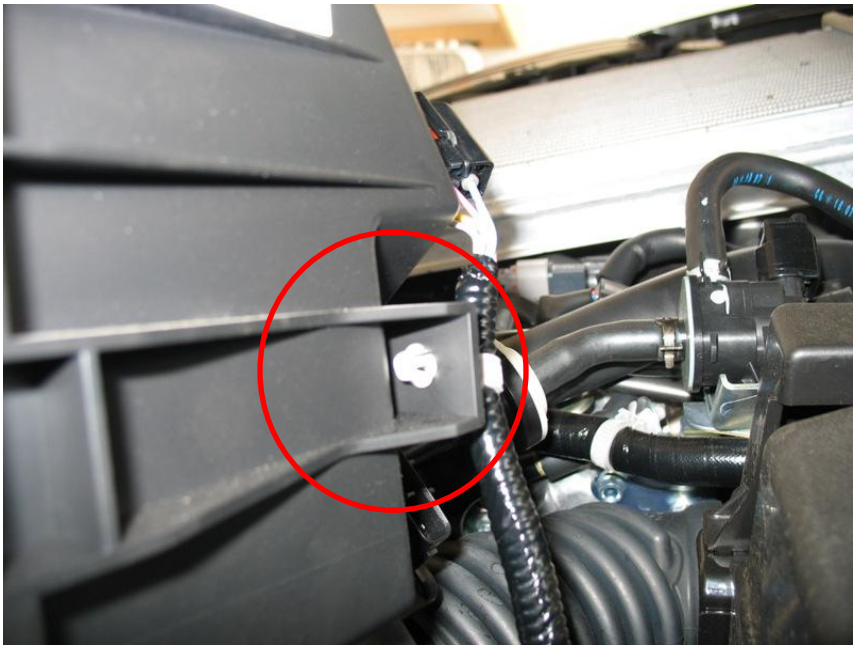


4. Lift the top of the air box up, push the intake hose off.



Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

5. Remove the grey wire connector from the top section of the air box and remove from the vehicle.

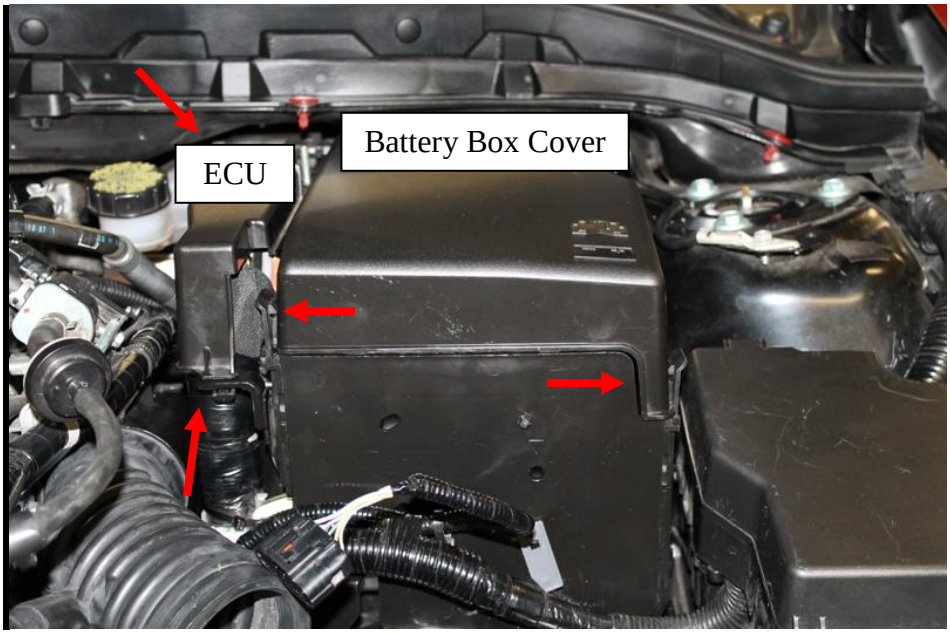


6. Tug up on the bottom of the air box remove it from the vehicle.

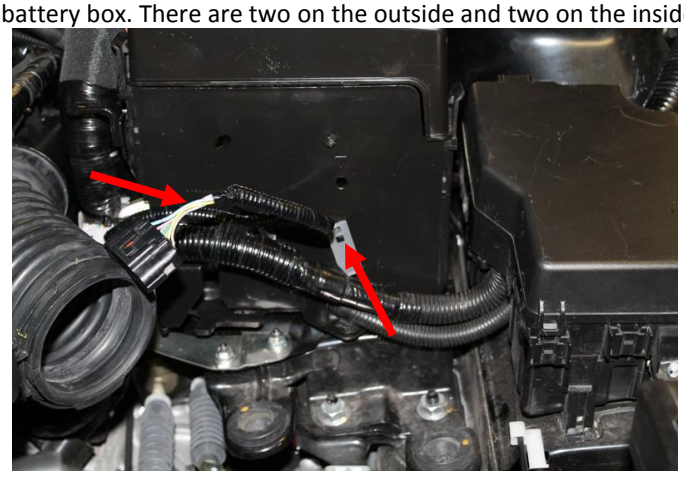


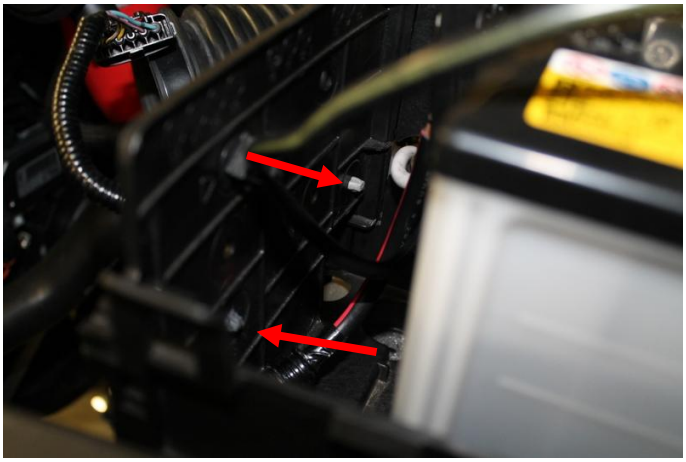
Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

7. Remove the battery box cover and ECU cover. There are tabs on either side of the battery box and a tab on the front and one on the rear of the ECU cover.



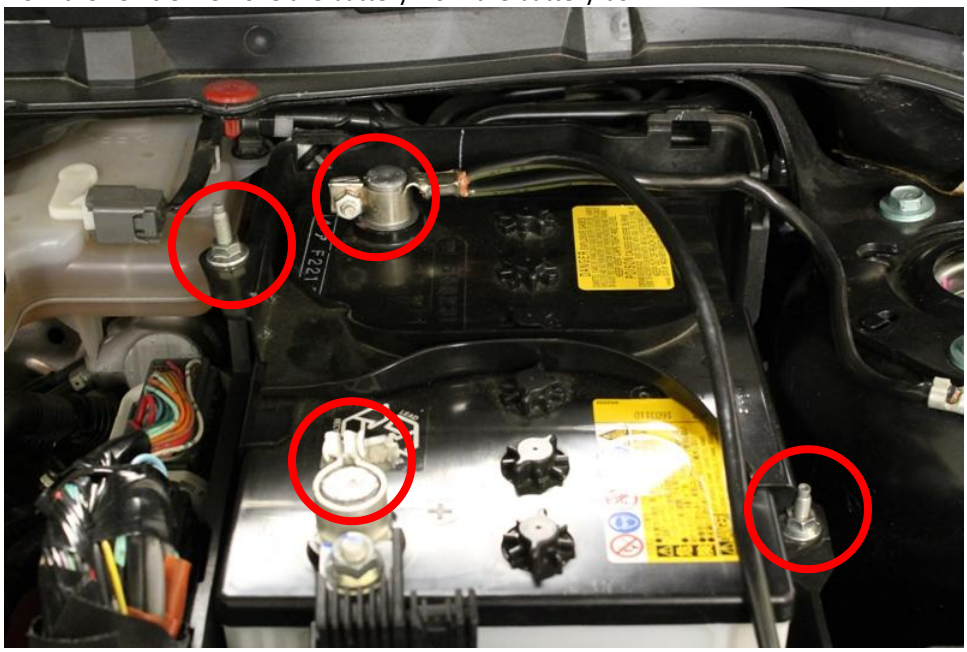
8. Using a pair of needle nose pliers remove the four fasteners securing the wire looms to the front cover of the battery box. There are two on the outside and two on the inside.



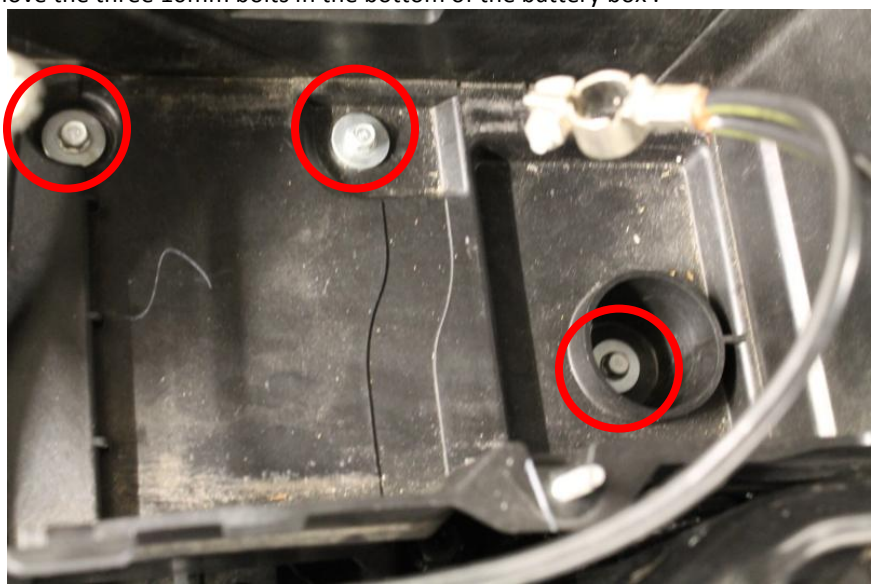


Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

9. Using a 10mm socket remove the battery hold down bracket, the negative battery terminal connection, then the positive connection. Slide the front cover of the battery box up and remove from the vehicle. Remove the battery from the battery box.



10. Remove the three 10mm bolts in the bottom of the battery box .

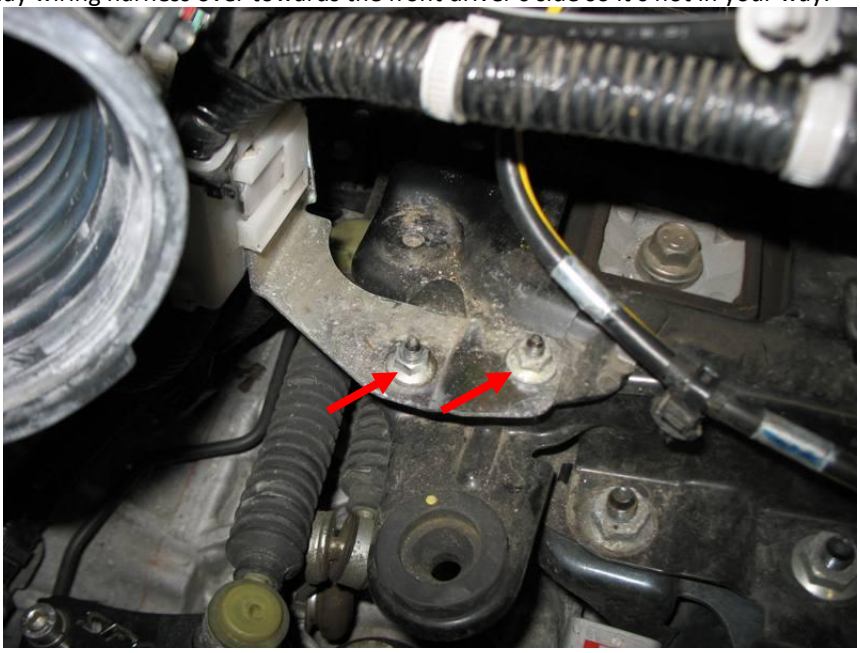


Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

11. Disconnect the wiring harness from the ECU by pressing the tab below the white handle. Then lift the handle to remove the connector. Remove the battery box and ECU as one assembly from the vehicle.

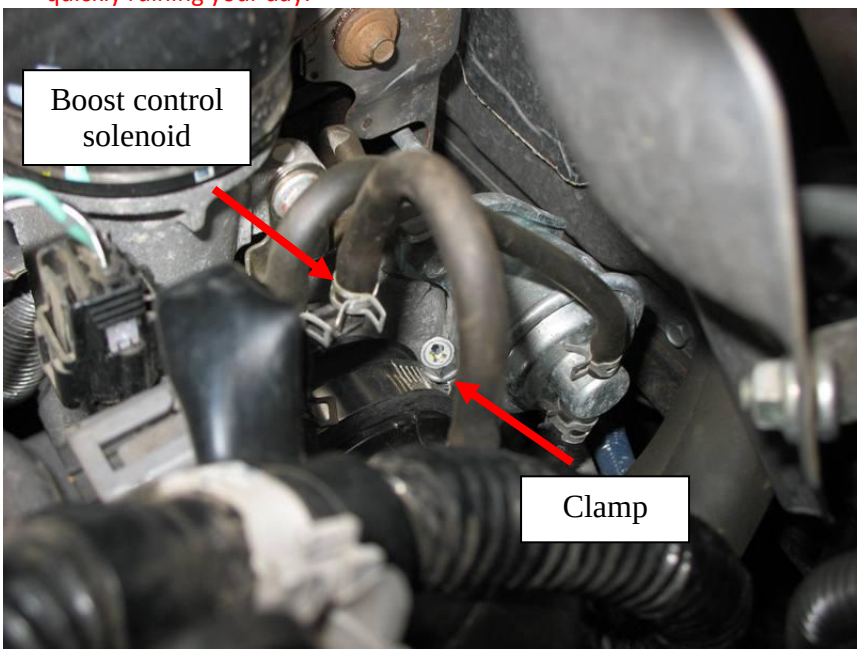


12. Remove the two 10mm nuts securing the wiring harness bracket. Lift the bracket off the studs and lay wiring harness over towards the front driver's side so it's not in your way.

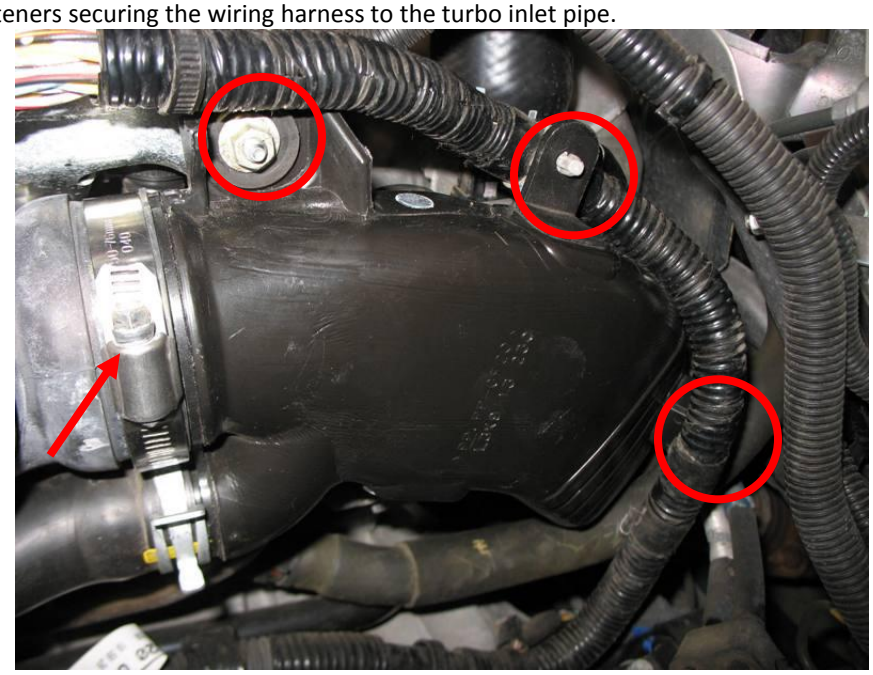


Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

13. Using a pair of needle nose pliers, squeeze the clamp on the boost control solenoid vacuum hose and slide it up. **VERY, VERY CAREFULLY** twist the hose to loosen the it from the boost control solenoid and remove the hose. Using a philips head screwdriver, loosen the clamp securing the intake hose to the turbo inlet pipe.
    - Failure to remove the vacuum hose carefully could result in breaking the hose nipple off, quickly ruining your day.

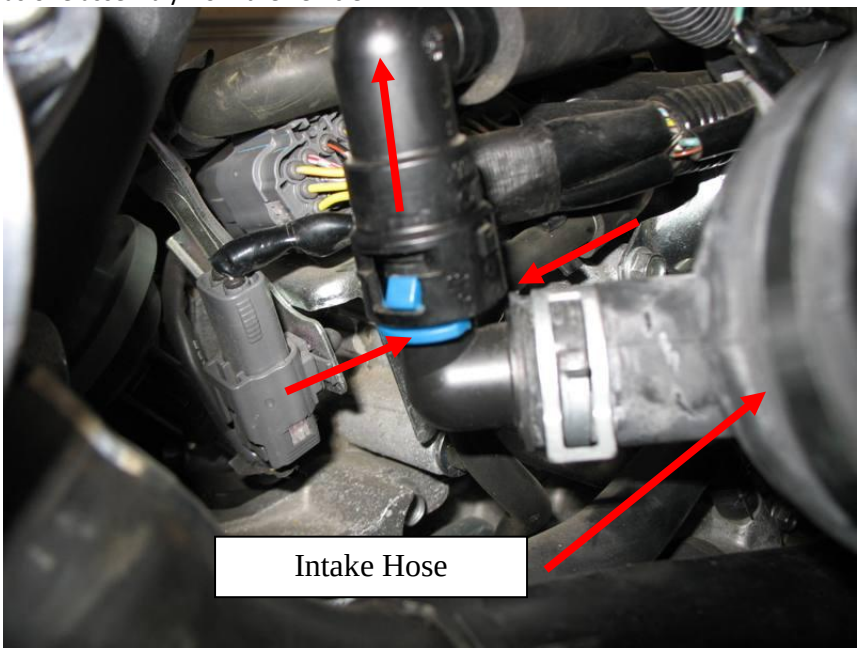


14. Using a 10mm socket remove nut circled below. Using a pair of needle nose pliers, remove the 2 fasteners securing the wiring harness to the turbo inlet pipe.

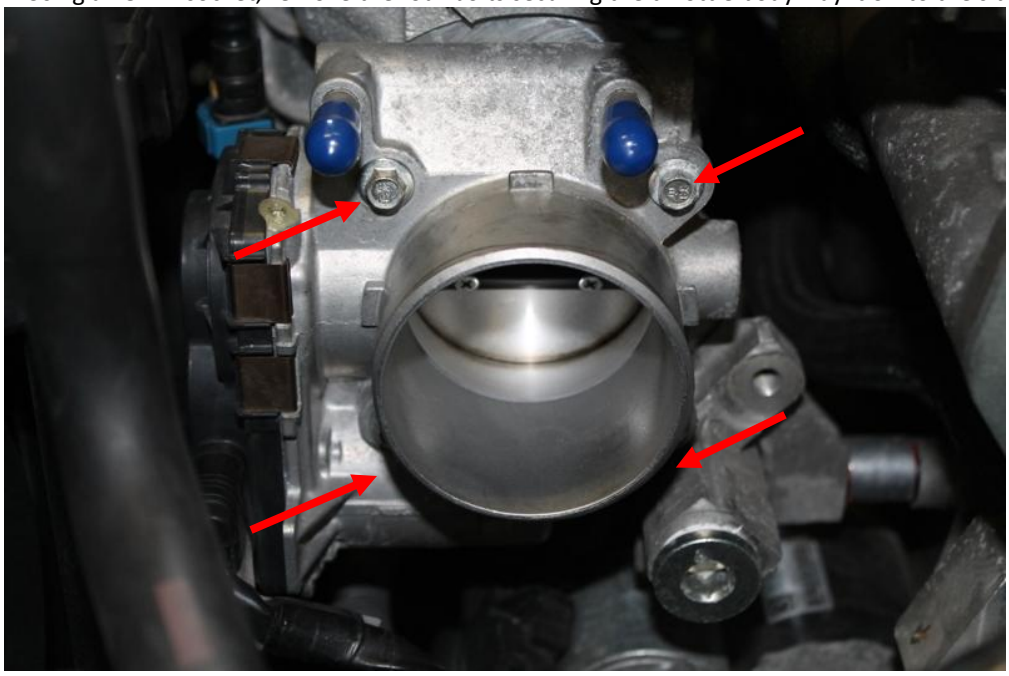


Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

15. Disconnect the valve cover breather connection from the 90 degree fitting at the intake hose by squeezing both blue tabs together then pulling up. Then remove the intake hose and turbo inlet pipe as one assembly from the vehicle.

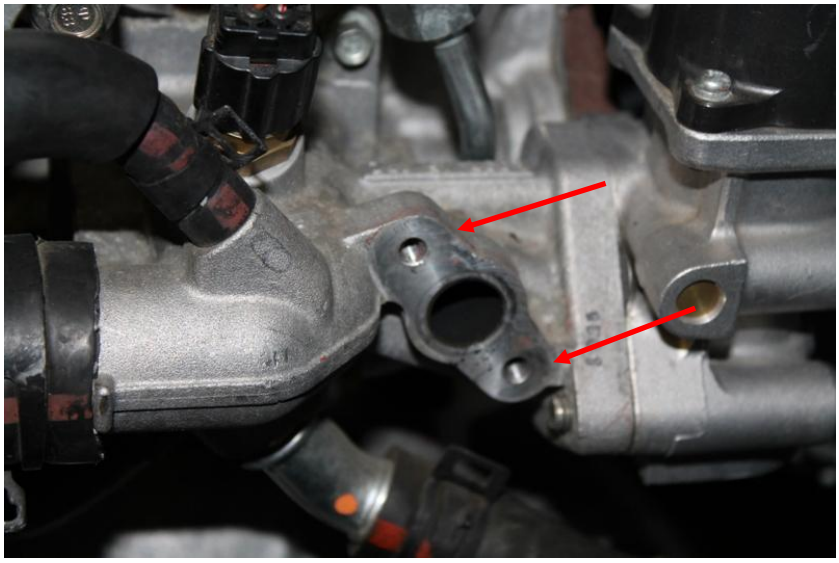


17. Using an 8mm socket, remove the four bolts securing the throttle body. Lay it off to the side.

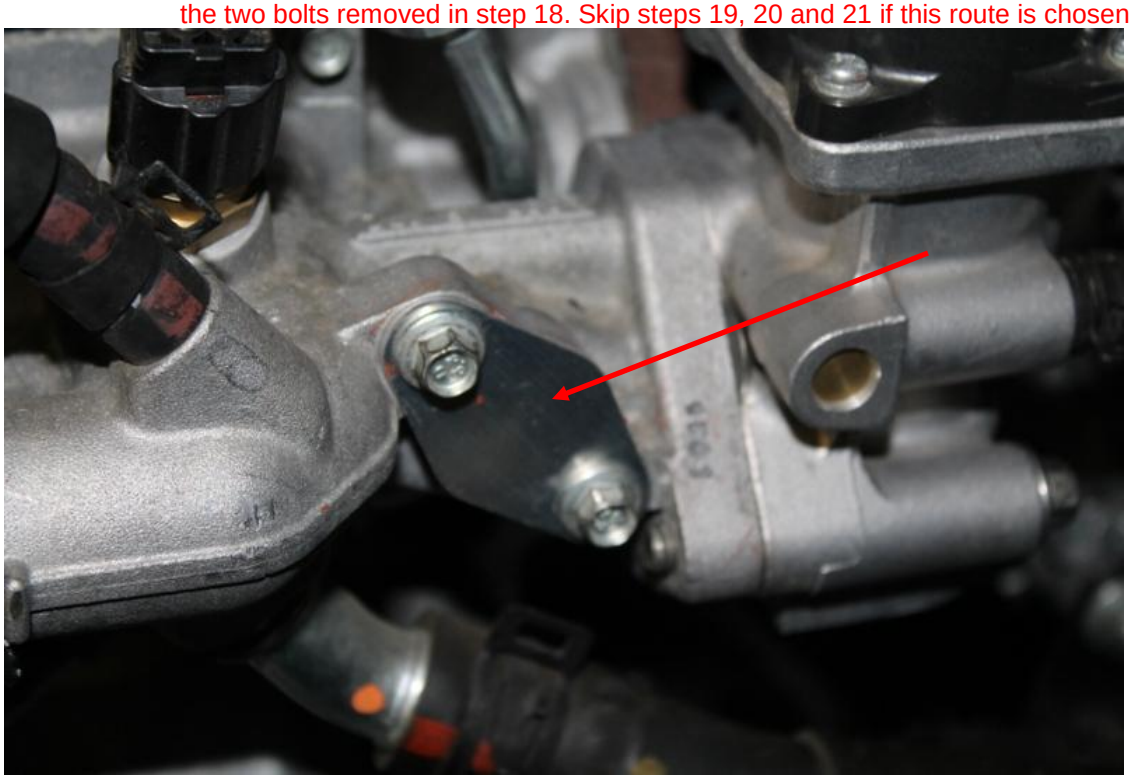


Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

18. Using an 8 mm socket, remove the two bolts holding the rear most end of EGR tube to the engine block.

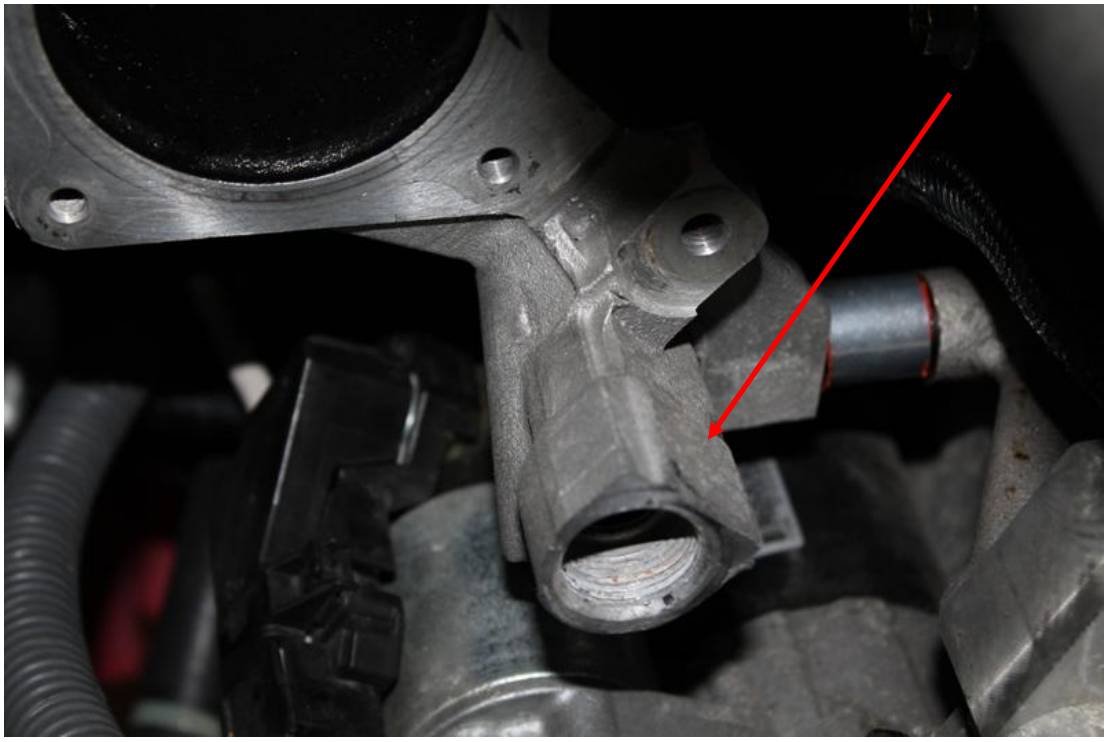


19. Apply gasket sealant (Red RTV) to one side of the EGR plate, add the factory gasket found on the flange of the OEM EGR tube, Re-install with the two bolts removed in step 18 and tighten.
    - Alternatively, you may choose not to remove the tube. Add RTV to one side of the plate, leave the OEM gasket on the flange of the EGR tube and slip the EGR block off plate between the flange of the tube and the motor. Then tighten with the two bolts removed in step 18. Skip steps 19, 20 and 21 if this route is chosen.



Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

20. With a large crescent wrench, remove the compression nut holding the forward most end of EGR tube to the intake manifold. Remove the tube from the vehicle.



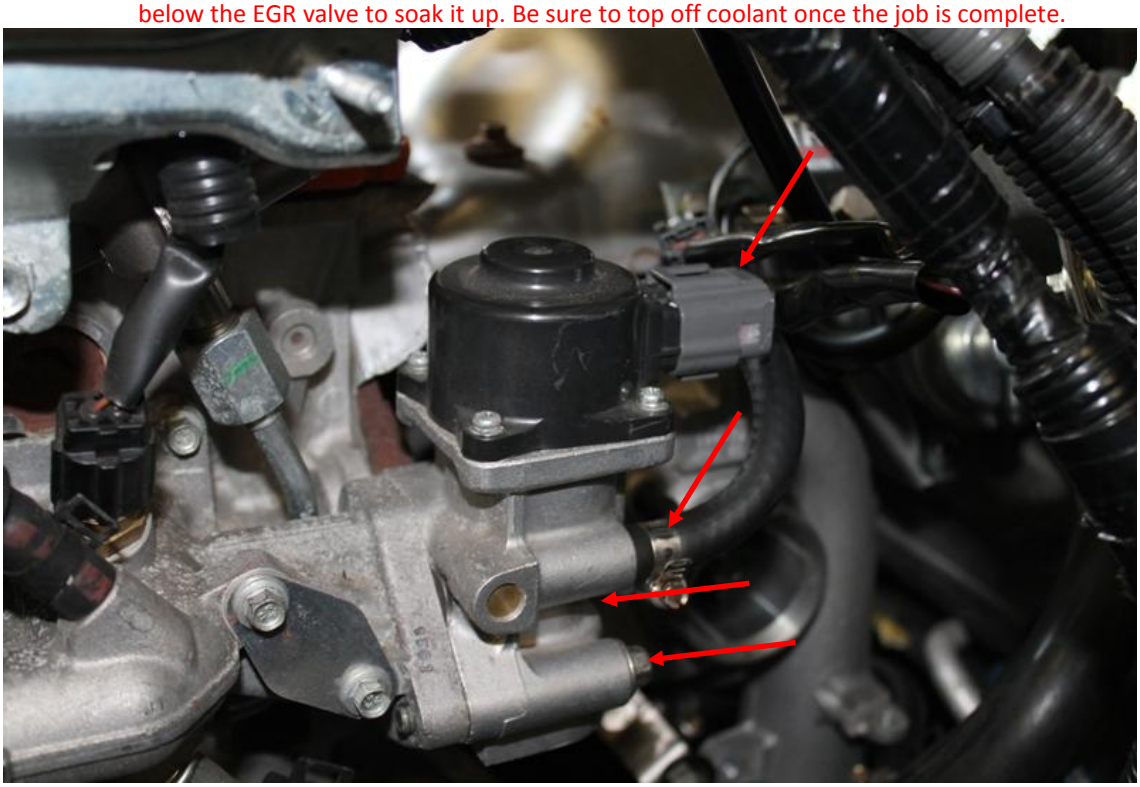
21. Apply Teflon tape to the threads of the EGR plug supplied with your kit and install. Then tighten to 10 ft. Lbs using a 10mm allen wrench or allen socket.



Congratulations! This completes the installation of your JBR EGR Block Off Kit!!
(Proceed on to install the JBR EGR Delete Kit)

Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

22. Using a pair of pliers remove the OEM clamp securing the coolant line from the base of the EGR valve. Then, remove the electrical connector from the EGR valve. Save the gasket.
    - Some coolant will come out when the EGR valve and hose is removed. Lay some shop towels below the EGR valve to soak it up. Be sure to top off coolant once the job is complete.



23. Wrap the threads of the hose adapter with Teflon tape and tighten using a 13mm wrench.



Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

24. Put one lock washer on each of the two 8mm bolts and slip them through your new JBR EGR delete plate. Then, place the gasket removed in step 22 on to the plate.



25. Install the EGR plate on to the motor. Using a 12mm socket, tighten the bolts to 10ftlbs. Re-install the coolant line using the supplied clamp.



26. Re-install the all removed components in the first 17 steps, start the vehicle and allow it to come to full operating temperature. Then check for leaks.

Congratulations!! This completes the installation of your new JBR EGR Delete Kit!!

Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.

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 when 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.

Neither JAMES BARONE RACING nor any of its employees, officers, directors, or shareholders will accept responsibility for improper use or installation of our products. JAMES BARONE RACING is not responsible for the misuse, incorrect installation, or failure of any product we sell. Under no circumstances, including but not limited to negligence, will JAMES BARONE RACING be liable for special or consequential damages that result from the use or inability to use our products. JAMES BARONE RACING does not assume responsibility for any damage to the user, driver, passenger or vehicle resulting from the operation of a JAMES BARONE RACING product. PLEASE DRIVE RESPONSIBLY.

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.

Copyright © 2016 James Barone Racing LLC. Any unauthorized reproduction or publication of this document is a strictly prohibited without the written consent from James Barone Racing.