



## **JAMES BARONE RACING**

### **AFTERMARKET PARTS AND ACCESSORIES**

#### **JBR TRU-Boost Electronic Boost Control Solenoid Installation Instructions Mazdaspeed 3/6 and CX7**

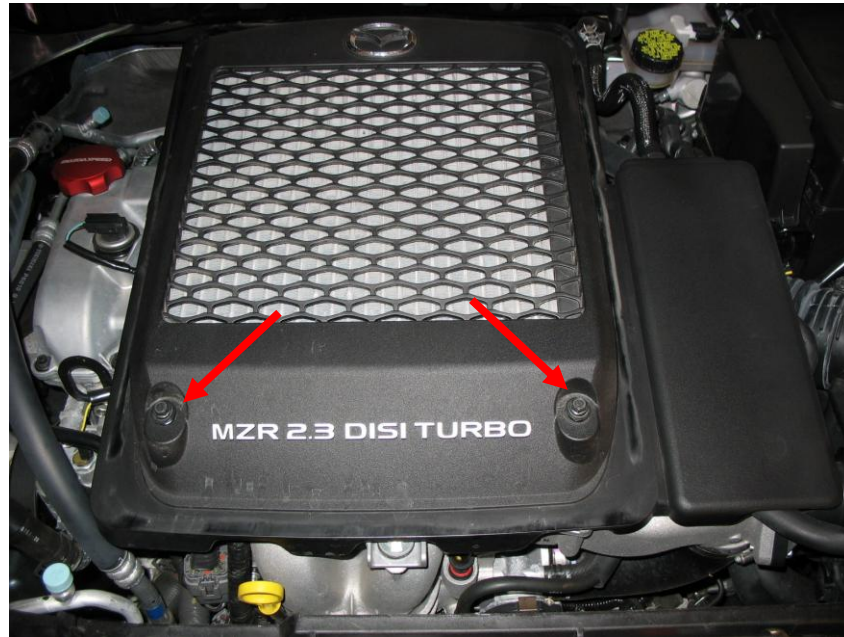
##### **What you will need:**

- Ratchet wrench
- 8mm socket
- 10mm socket
- Needle nose pliers
- Teflon tape (optional)
- Proper tune for 3-Port EBCS

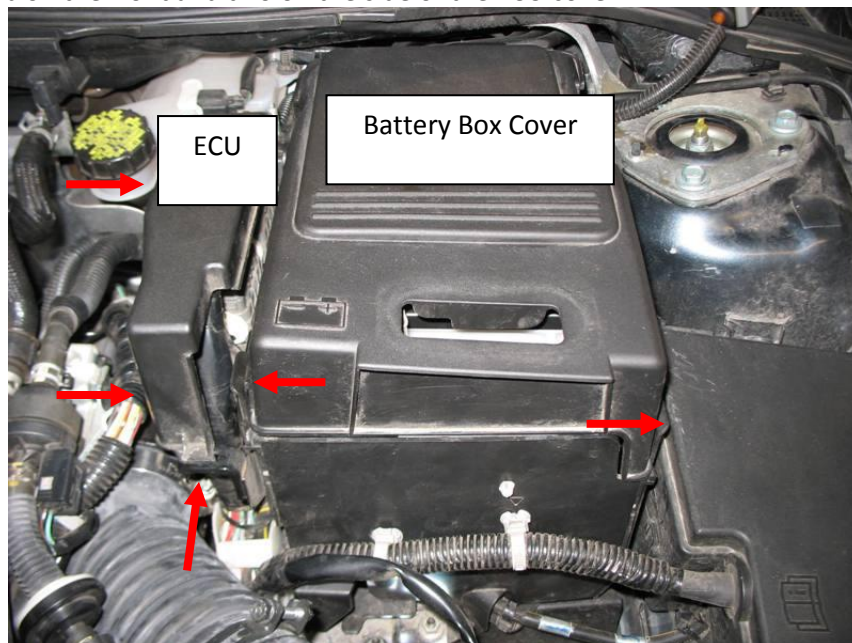
##### **Parts List:**

- 1, EBCS
- 5 zip ties
- 1, 1/8" NPT plug
- 3, 1/8" NPT x 3/16" 90° Vacuum fittings
- 2 rubber vacuum caps
- 2, #6 screws
- 2, #6 lock washers
- 2 #6 Nuts
- 2 6mm x 16mm bolts
- 2, 6mm nylon lock nuts
- 36" Silicone vacuum tubing
- 1, vacuum T

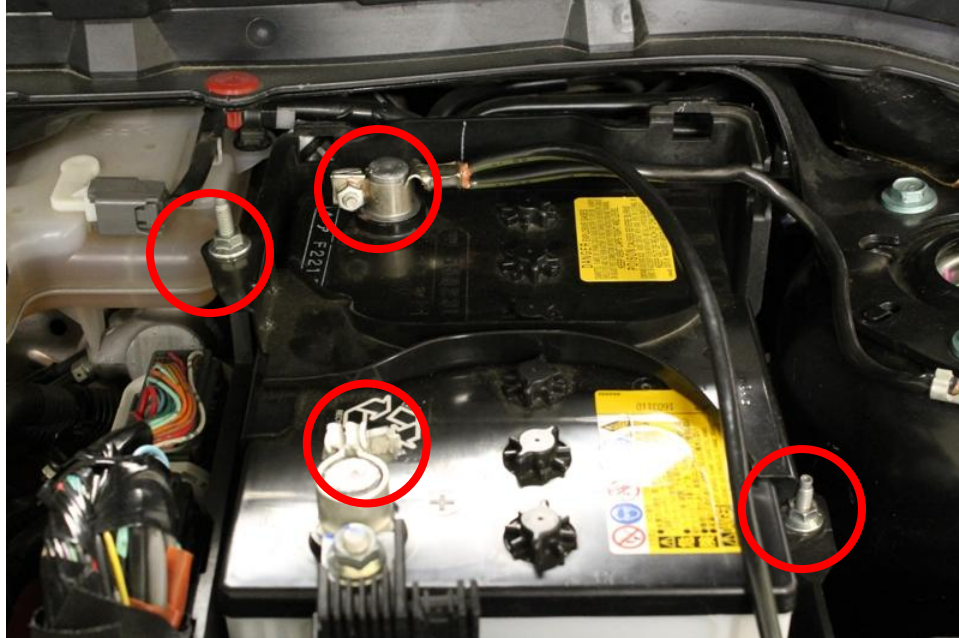
1. Using a 10mm socket, remove the two 10mm bolts securing the intercooler cover. Then slide the cover towards the rear of the vehicle and remove.



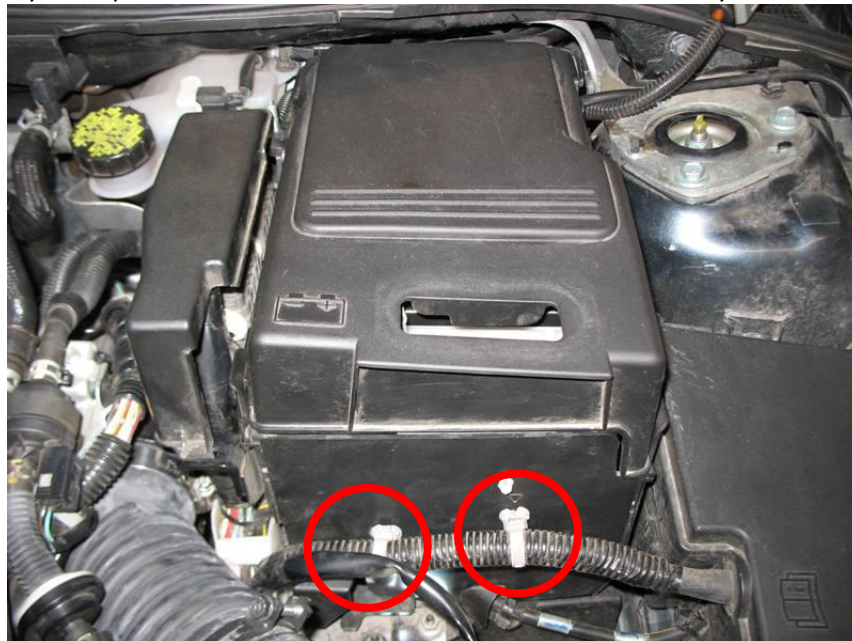
2. Remove the battery box cover and ECU cover. There are tabs on either side of the battery box and a tab on the front and two on the side of the ECU cover.



- Using a 10mm socket, remove the battery hold down bracket, the negative battery terminal connection, then the positive connection.

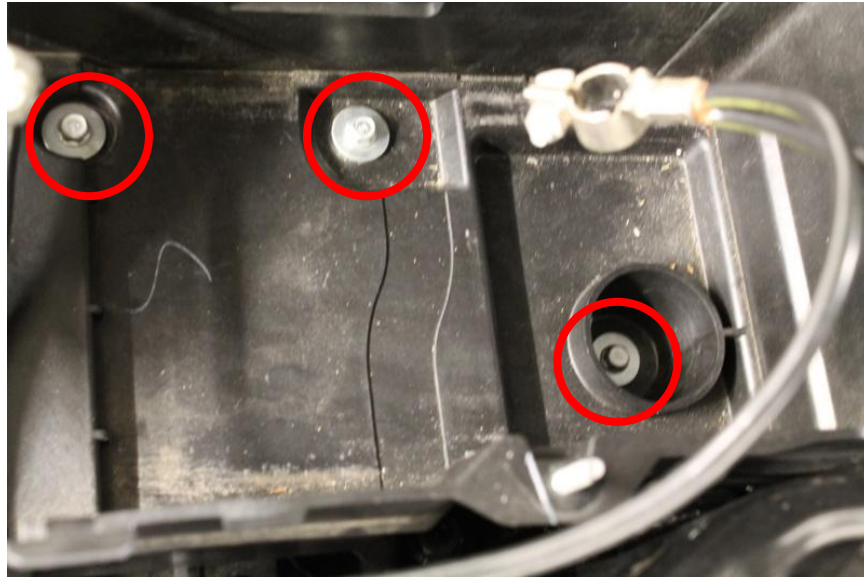


- Using a pair of needle nose pliers remove the fasteners securing the wiring harness to the front cover of the battery box. There are two on the outside and one inside. Slide the front cover of the battery box up and remove from the vehicle. Remove the battery.





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



6. 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.



7. Remove the electrical connection to the OEM EBCS and the two vacuum connections. Using a 10mm socket remove the nut securing the OEM EBCS and remove it from the car.



8. Install the 3, 90° vacuum ports included with your kit on to your new JBR EBCS. You may use Teflon tape on the threads but it's not necessary as long as they're tight. They may not line up exactly as shown in the picture below.



- Using an 8mm socket remove the bolt that secures the upper coolant hard line.



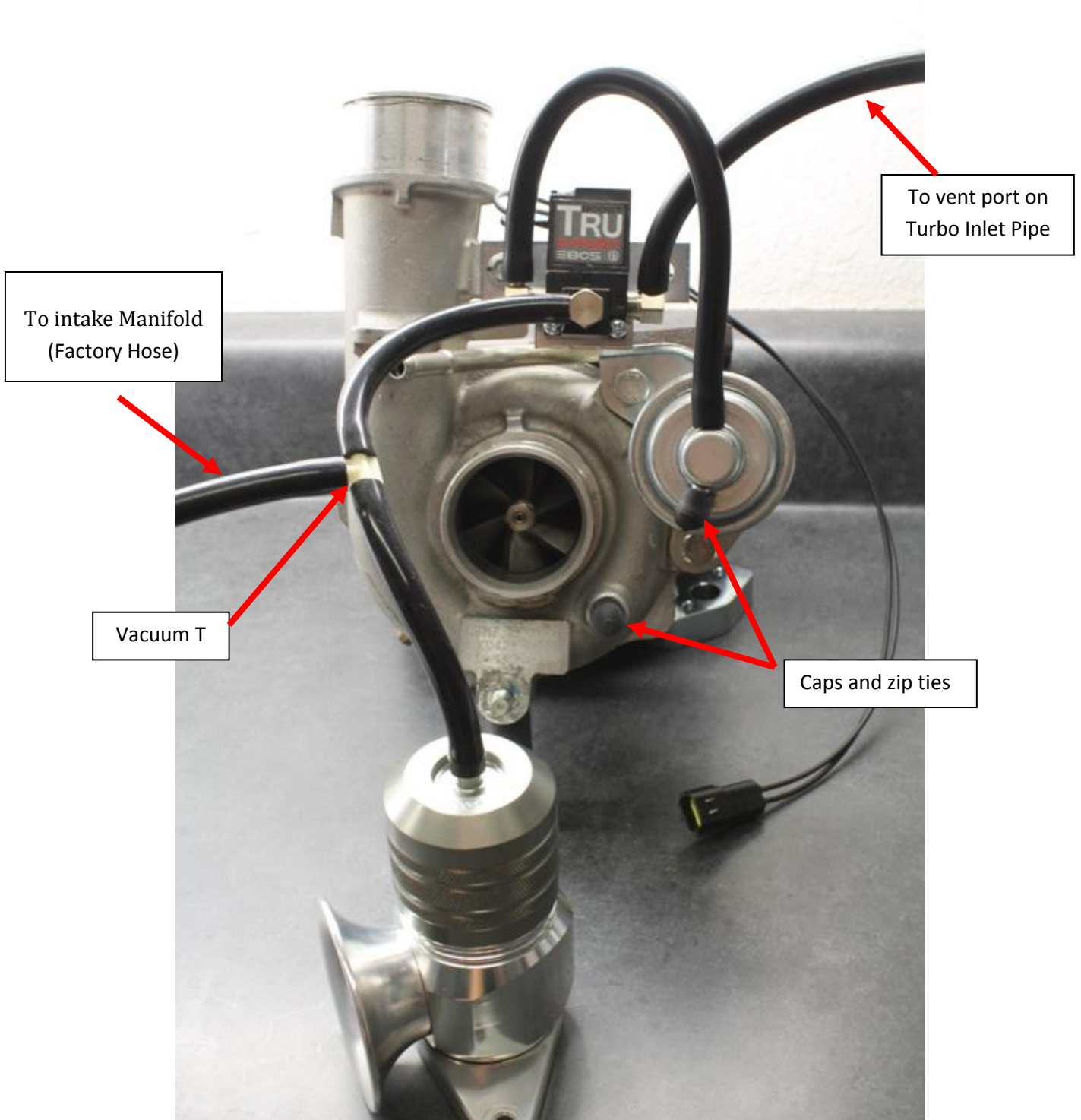
- Install your new JBR EBCS using the bolt removed in step 8 and an 8mm socket.

- Plug the EBCS in to the factory wiring harness.

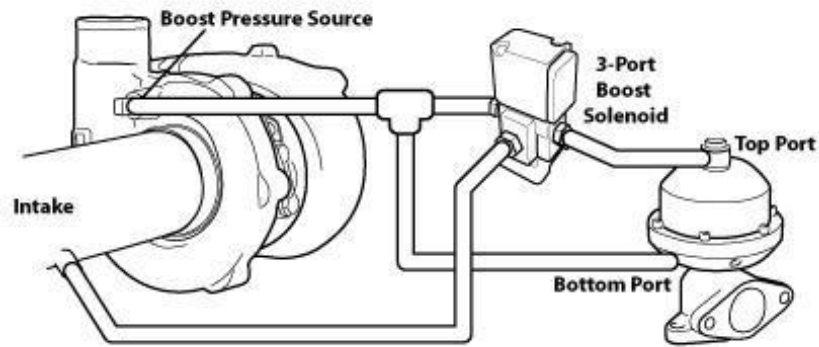




12. Using the factory vacuum hose, the included vacuum hose, vacuum T, caps and zip ties make the connections illustrated below for 3-Port mode, internal waste gate. Zip ties are for the caps and to secure the vacuum hose. No additional clamps or zip ties are needed to make any of the other connections.



13. Using the included vacuum hose, and vacuum T for 3-Port mode, external waste gate.



**Important to note!!** You MUST properly tune for the installation of a 3-port EBCS. Using an off-the-shelf tune will result in overboosting!

Congratulations!! You've just completed the installation of you new JBR EBCS!!



## **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 accept 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.

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## **WARRANTY:**

All JAMES BARONE RACING products carry a lifetime warranty to the original purchaser. Warranty is non-transferable. 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](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.