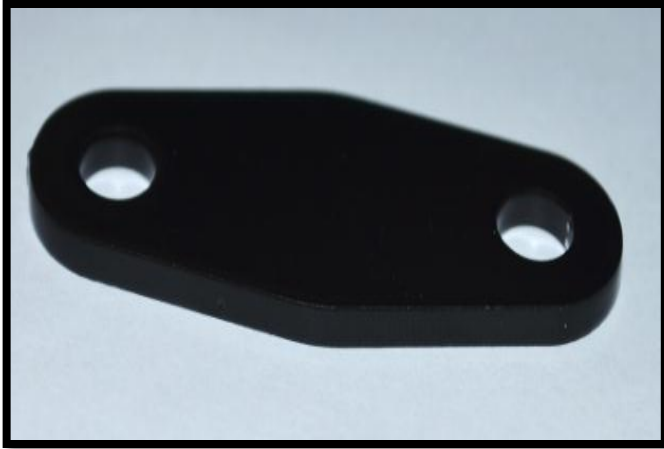


## CorkSport DISI EGR Block Off Plate



Keep carbon and soot build up out of your intake manifold to and intake valves clean from carbon buildup with the CorkSport DISI EGR Block Off Plate. This complimentary part is sold by other performance companies for \$15-\$20, but at CorkSport, we believe in giving you the best value for your money so we are including it in your order today at no cost to you. This optional part may trigger a check engine light. It will not effect engine performance or longevity and the CEL can be easily cleared with a scan tool such as the MSD DashHawk or the Cobb AccessPORT ECU Programmer.

### Pre-Installation Notes:



**Make sure your vehicle is completely cooled down** prior to starting installation. If you are going to work on your car within an hour or two of having driven it, use a fan to cool off the car.



**These instructions were written for reference only** and the use of a factory service manual is recommended. Please read these instructions thoroughly prior to starting installation



**How our instructions work:** To best cover all of our customers experience levels, we have included an overview checklist for the more technically advanced users along with step-by-step instructions for customers that require additional detail.



**These installation instructions were written using a 2010 Mazdaspeed 3.** Other year Mazdaspeed3 models will be similar.

### Materials and Time:



#### General Info.

Part #: Gen-6-747  
Time Est: 1 hours  
Wrench Rating: 2/5



#### Tooling List

10mm Socket  
12mm Socket  
3/8" Drive Ratchet  
1/2" Drive Ratchet  
Swivel Socket  
12" Extension



#### Parts List

One (1) CorkSport Catted Downpipe

Need Help With Your Installation?  
Call (360) 260-CORK

## Detailed Instructions

 These installation instructions were written using a 2010 Mazdaspeed 3. Other year Mazdaspeed3 models will be similar

### 1. Removing Factory Intake

- a) **Unplug the MAF housing sensor** located on the air box (shown in green circle in Figure 1a)
- b) **Loosen the 10mm hose clamp bolt** connecting the factory rubber intake elbow to the air box (shown in red circle in Figure 1b)
- c) **Remove the two 10mm bolts** on the air box bracket and remove the bracket (Shown in red circle in Figure 1a)
- d) **Pull up on the intake box** to pop it free from the car and remove it
- e) **Remove the valve cover breather tube** connected to the factory rubber intake elbow (circled in Figure 1c). You will need to press in on both sides of the blue clip to pull it off of the connection

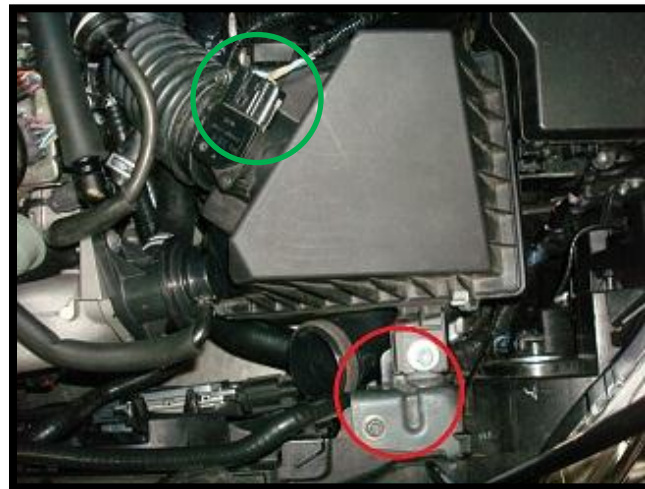


Figure 1a



Figure 1b



Figure 1c

- f) **Loosen hose clamp** (circled in green in Figure 1b) from intake elbow to factory turbo inlet pipe and remove elbow.

### 2. Removing the Turbo Inlet Pipe

- a) **Remove the battery box cover**. The cover is held on with two clips (shown in Figure 2a). Pry the clips outward by hand and lift the front of the lid off the box.



Figure 2a



## Detailed Instructions

### 2. Removing the Turbo Inlet Pipe Continued...

- b) **Remove the Battery.** First, Disconnect the battery terminals with a 10mm end wrench. Disconnect the negative terminal of the battery first before the positive terminal. Next, Remove the two 10mm nuts for the battery tie down bracket. (Shown [Figure 2b](#)) Finally lift the battery out of your car and place it in a safe location.
- c) **Disconnect the three wiring tie downs on the battery box and remove the front cover.** Remove the three wiring harness loom straps by compressing their push lock connectors with a pair of angled or straight needle nosed pliers and pushing them back through the hole they are attached to. Remove all three of these connectors (shown in [Figure 2c](#)) and remove the front cover of the battery box.
- d) **Remove the cover from the engine control unit (ECU) if you have not already** by disconnecting the latch ([See Figure 2d](#) for location of ECU cover and latch)
- e) **Disconnect the two ECU plugs** by depressing the hasp below the white camlock latch of the plug housing. When the hasp is depressed, lift the white latch mechanism which will unlock and disconnect the ECU plugs (shown in [Figure 2e](#)).

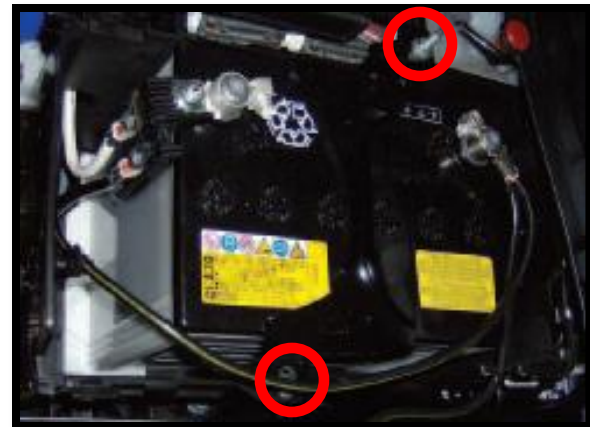


When done correctly, this process should be effortless.

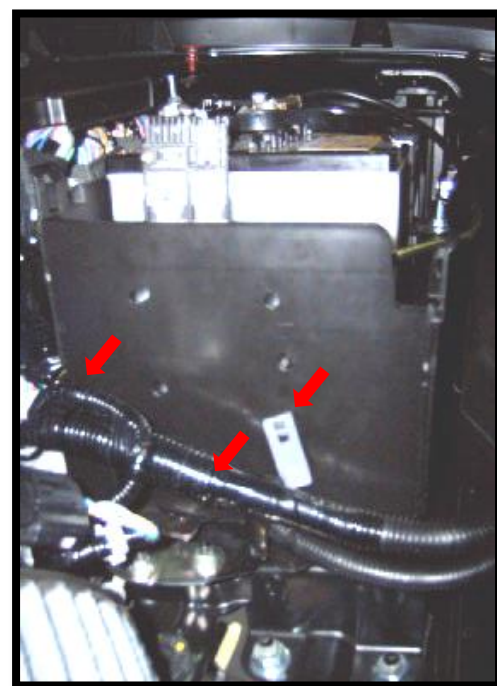


[Figure 2e](#)

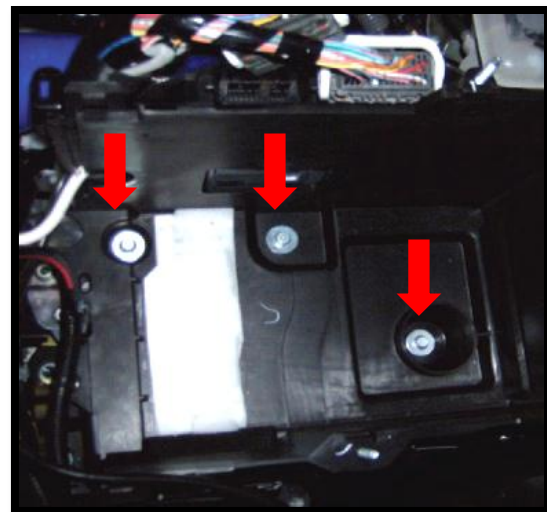
- f) **Remove the (3) 10mm bolts from the floor of the battery box** (shown in [Figure 2f](#)) using a ratchet, 10mm socket and 6" 3/8" drive extension. Remove the battery box and ECU.



[Figure 2b](#)



[Figure 2c](#)



[Figure 2f](#)

## 2. Removing the Turbo Inlet Pipe Continued...

- g) Using pliers release the hose clamp (shown in [Figure 2h](#) and [Figure 2g](#) with a yellow arrow) located on the recirculation hose that is attached to the recirculation valve (BOV) and plastic turbo inlet pipe. Move the hose clamps away from the fittings and remove hose.

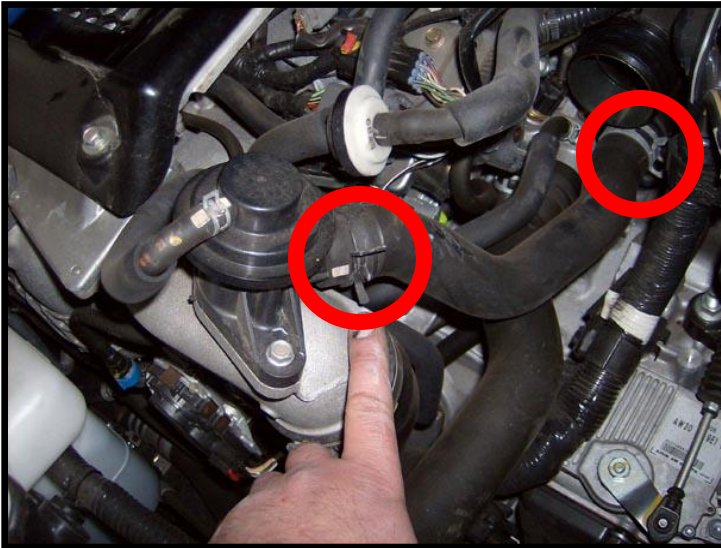


Figure 2h

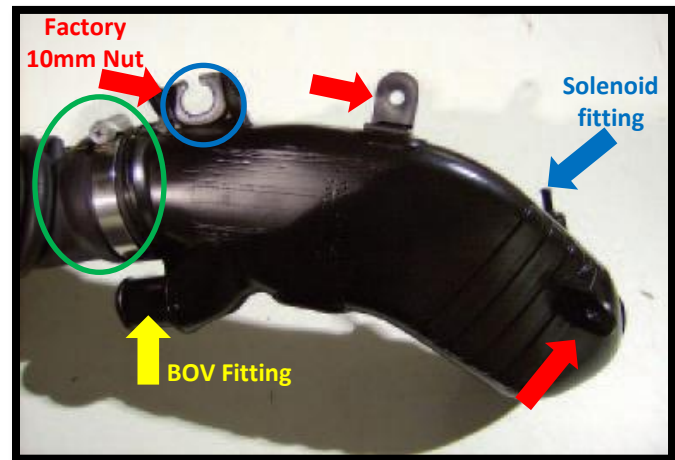


Figure 2g

- h) Remove the 10mm nut that holds the stock turbo inlet pipe in place (location shown in [Figure 2g](#)).
- i) Disconnect Boost Solenoid Line using [Figure 2i](#) as a reference, remove the two wiring harness clips (shown with the red arrows in [Figure 2i](#)) located on the stock turbo inlet pipe.
- j) Using needle nose pliers, remove the hose from solenoid fitting on the stock turbo inlet pipe and the boost control solenoid (identified in [Figure 2i](#) by blue arrows).



Be very careful to not break the nipple off the boost control solenoid



If you are having difficulty getting it loose, try rotating the hose to break the seal of the rubber to the plastic fitting and then pulling straight up. It takes a little force, but comes off cleanly.

- h) Remove the plastic inlet pipe from the turbocharger. Loosen the hose clamp and pull the stock turbo inlet pipe off the turbocharger.

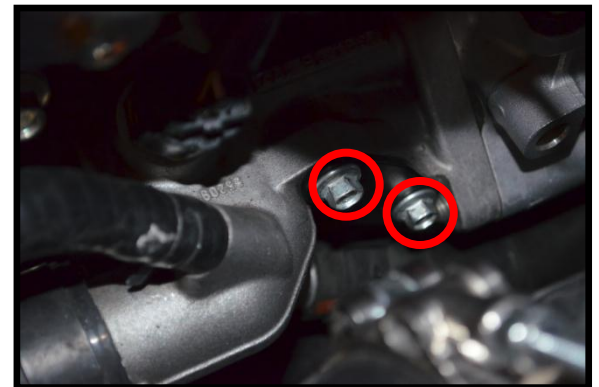


Figure 3a

## 3. Install the CorkSport EGR Delete Plate

- a) Remove the two 10mm bolts holding the EGR pipe on. The bolts are shown circled in [Figure 3a](#).
- b) There are now two ways to install the EGR plate. Option one is shown in [Figure 3a](#). You can completely remove the pipe and cap off the intake manifold port shown in [Figure 3b](#).
- c) Option #2 You can sandwich the plate between the EGR outlet and the Pipe that bolts to it. Make sure to use high temp grey silicone to ensure a good seal.



Figure 3b

#### 4. Reinstall Your Intake System

- a) **Install the factory turbo inlet pipe in the factory position. Tighten the 10mm nut removed earlier**
- b) **Install the factory recirculation valve hose** between the recirculation valve and the lower pipe on the Turbo Inlet. Shown in **Figure 4d**).
- c) **Install the vacuum line back onto the turbo inlet pipe.**
- d) **Install the battery box back into place**, with three 10mm bolts (shown in **Figure 2h**). Feed the battery terminal lines through the cutouts in the box.
- e) **Install the ECU connectors** and latch the cam locks to seat the connectors into the ECU. Install the ECU cover over the connectors (shown in **Figure 2f**).
- f) **Install the battery into the battery box.** First position and install the battery tie down. Next, install the positive battery cable onto its terminal and tighten the 10mm nut. Install the negative battery cable onto its terminal and tighten the 10mm nut. Install the front cover onto the battery box and snap the wiring harness clips into place (shown in **Figure 2d**) Finish by installing the battery box top.
- g) **Install the rubber elbow removed earlier** onto the factory turbo inlet pipe Do not tighten hose clamp yet.
- h) **Install the valve cover breather tube** connected to the factory rubber intake elbow (**circled in Figure 1c**). You will need to press in on both sizes of the blue clip to pull it off of the connection
- i) **Install the intake box.**
- j) **Plug in the MAF housing sensor** located on the air box (**shown in green circle in Figure 1a**)
- k) **Tighten all loose 10mm clamps.**



This completes the installation of your CorkSport EGR delete plate. The EGR plate will trigger a Check Engine Light (CEL). You will need to reflash the ECU to remove this light.