



Equipped with AEM® *Dryflow™ Filter*  
No Oil Required!

# **INSTALLATION INSTRUCTIONS**

## **PART NUMBER: 21-717**

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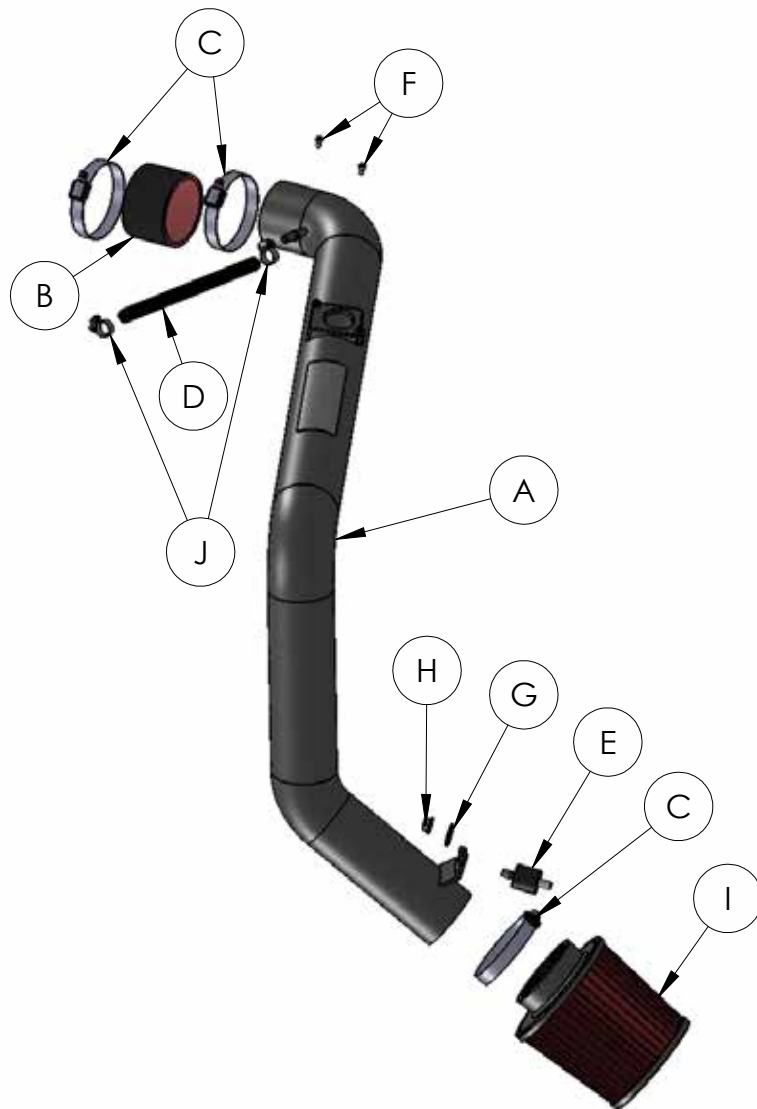
2011-2012

MITSUBISHI ECLIPSE

2.4L

\*NOTE

PARTS LIST			
	PART NUMBER	DESCRIPTION	QTY.
A	2-1494	2011 Mitsubishi Eclipse Pipe 2.4L	1
B	5-272	HOSE, SILICONE 2.75X2" BLACK	1
C	9444	HOSE CLAMP, 2.31-3.25"	3
D	5-2010	HOSE; 5/16"ID X 10"L	1
E	1228560	MOUNT, RUBBER 1" X 8MM	1
F	1-2023	BOLT; SOCKET 8-32 X 5/16 SS	2
G	559960	WASHER, 8MM SOFT MOUNT	1
H	444.460.08	NUT; M8 HEX SERRATED	1
I	21-202DOS	ELEMENT PARTS KIT 2.75 X 5 DRY ELE	1
J	4093-3	HOSE CLAMP, 5/8"	2



**Read and understand these instructions BEFORE attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.**

## **1. Preparing Vehicle**

- a. Make sure vehicle is parked on a level surface.
- b. Set parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Disconnect negative battery terminal.
- e. Do not discard stock components after removal of the factory system.

## **2. Removal of Stock System**



a. Unplug the (MAF) sensor. Remove the (MAF) sensor from the air filter housing.



b. Loosen the hose clamp on the throttle body.



c. Loosen and remove the five 6MM bolts holding the resonator on the valve cover.



d. Release the clamp on the valve cover for the PCV hose, then remove the hose from the valve cover.



e. Remove the two plastic fasteners holding the stock air scoop. Remove the air scoop.



f. Loosen and remove the two 6MM bolts holding the air box in place.



g. Release the (MAF) wire harness clip on the air box as shown.



h. Lift up on the air box and remove the stock intake system.

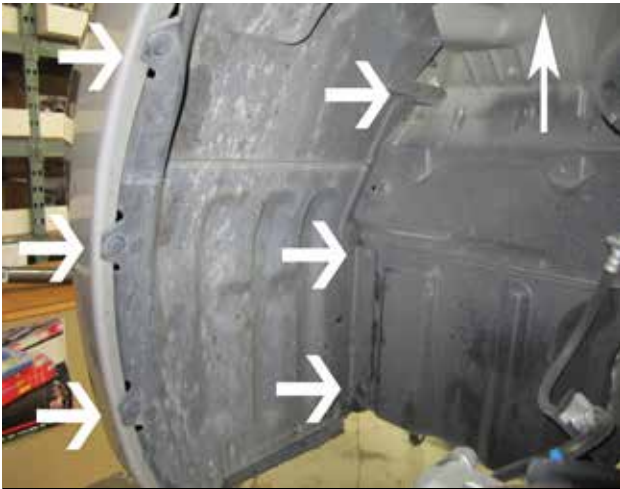


i. Raise the front of the vehicle with a jack. Support your vehicle using properly rated jack stands before wheel removal or while working under the vehicle.



j. Remove the driver side wheel.





k. Remove the seven fasteners holding the fender liner in place.



l. Remove the 6MM upper fender bolt.



m. Move the fender liner out of the way to gain access to the fender well.



n. Remove the top 6MM bolt holding the lower resonator in place.



o. Remove the lower left 6MM bolt holding the resonator.



p. Remove the resonator from the vehicle, this is what the resonator looks like when removed.

### 3. Installation of AEM® Intake System

- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



- a. Install the coupler (B) and two (C) hose clamps on the throttle body.



- b. Tighten the clamp on the throttle body.



- c. Remove the 8MM bolt holding the horn in place and replace it with the supplied rubber (E) mount as shown.



- d. Install the (MAF) sensor removed in step (2a).in the AEM intake tube.





e. Now install the AEM intake tube (A).



f. Use the 8MM nut (H) and washer (G) on the intake tube bracket.



g. Install the AEM dryflow filter (I).



h. Plug in the MAF sensor.



i. Install the 5/16 hose (D) and hose clamps (J) on the tube and valve cover.



j. Make sure you have clearance around the intake tube and AEM filter and tighten the hose clamp on the intake tube.



k. Tighten the 8MM nut on the intake bracket tube as shown.



l. Check the fitment of the intake system and ensure there is clearance between the inlet pipe and its surrounding components. Once proper fitment is achieved check all the hose clamps and M8 nut on the rubber mount.



#### 4. Reassemble Vehicle

- a. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps.
- b. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and check that all fasteners that were removed are properly tightened.
- d. Reconnect the negative battery terminal and start the engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

#### 5. Service and Maintenance

- a. AEM Induction Systems requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean, purchase our Synthetic air filter cleaner, part number 1-1000 and follow the easy instructions.
- b. Use window cleaner to clean your AEM® intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes).**