



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# INSTALLATION INSTRUCTIONS

## PART NUMBER: 21-688

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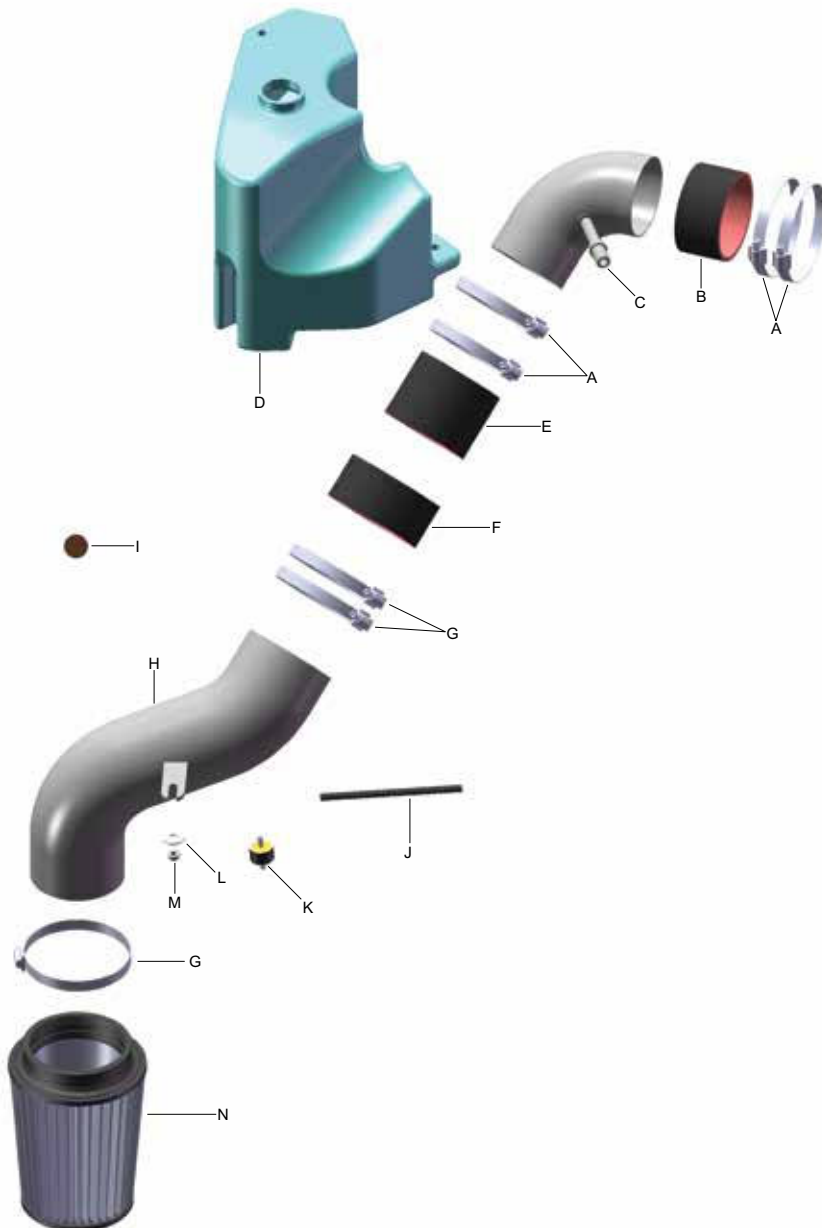
2010-2012 HYUNDAI Genesis Coupe V6-3.8L

**LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES  
WHICH MAY NEVER BE USED, REGISTERED  
OR LICENSED FOR USE UPON A HIGHWAY.**

See [aemintakes.com](http://aemintakes.com) for CARB status on each part for a specific vehicle

**PARTS LIST:**

	<b>Description</b>	<b>Qty.</b>	<b>Part Number</b>
A	1/2" Bnd. Hose Clamp, 3.31"-4.25"	4	9460
B	Hose, Silicone 3.50 x 2" Black	1	5-351
C	Upper Tube, Genesis V6	1	2-1403
D	Washer Bottle, Genesis	1	9-0383
E	Hose, Silicone 3.50x3" Blk.	1	5-350
F	Hose, Silicone 4.00x2" Black	1	5-402
G	1/2" Bnd. Hose Clamp, 3.56"-4.50"	3	9464
H	Lower Tube, Genesis V6 Black	1	2-1404
I	Neoprene, 1/16" X 1" Round Adhesive	1	8-167
J	Convolved Slit, 1/4" X 6"l Hi-temp	1	3-2006
K	Mount, Rubber 5/8" X 6mm	1	1228598
L	Washer, 6mm Soft Mount	1	559999
M	Nut, M6 Hex Serrated	1	444.460.04
N	Element Parts Kit 4" X 7" Dry Media	1	21-2057D

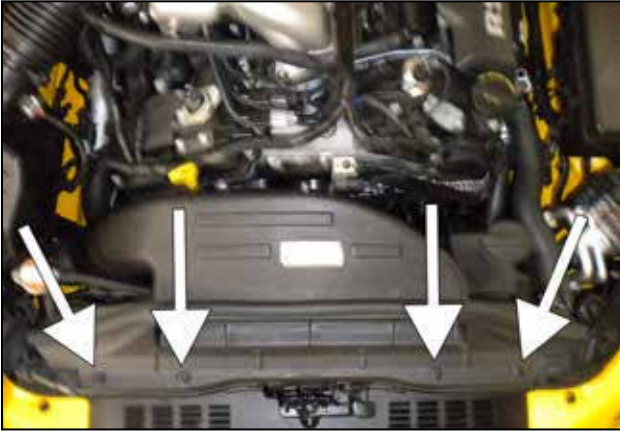


Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

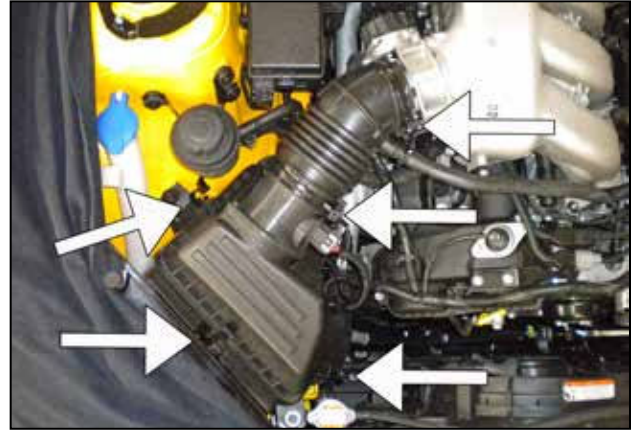
## 1. Preparing Vehicle

- a. Make sure vehicle is parked on 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. Jack up the front of the vehicle and support using properly rated jack stands.
- f. Do not discard stock components after removal of the factory system.

## 2. Removal of stock system



a. Remove four clips and remove air duct.



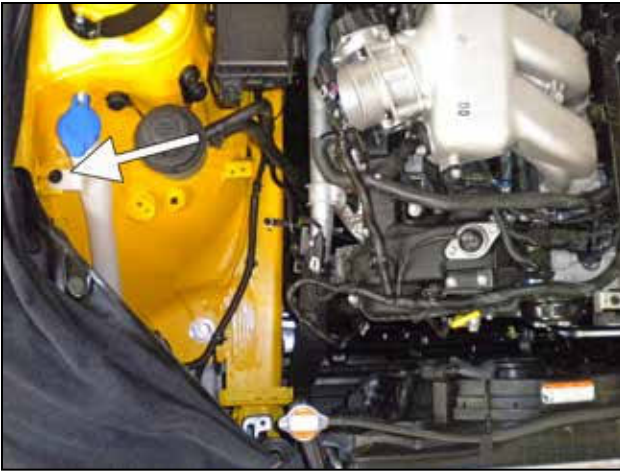
b. Unclip the four airbox clips and loosen the clamp at the throttle body. Unplug the MAF sensor.



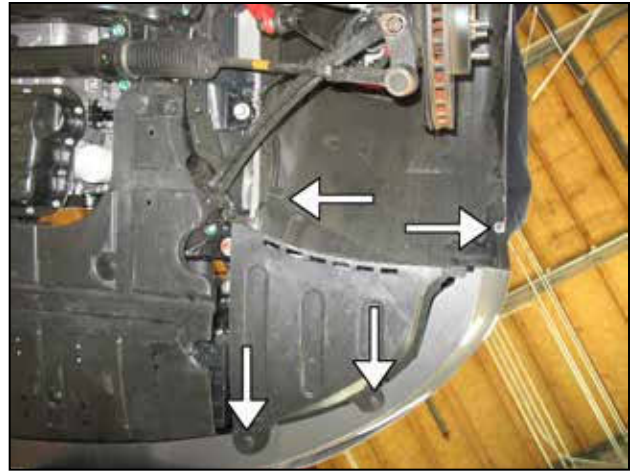
c. Unhook the crankcase vent hose by sliding back the spring clamp, then pulling the hose off of the nipple on the inlet tube. Remove the airbox lid and stock inlet tube assembly.



d. Unclip the MAF sensor harness from the lower half of the airbox. Remove the three M6 bolts securing the lower airbox, and remove the lower airbox.



e. Remove the M6 bolt securing the washer bottle neck and unplug the right headlight.



f. Lift the car and remove the right front wheel. From underneath the vehicle, remove three clips and one screw from the inner wheel well liner. Pull the wheel well liner back out of the way.



g. Unplug the washer pump and washer fluid level sensor.



h. Remove two M6 bolts securing the washer bottle. Unplug the hose from the washer pump and remove the washer bottle from the car. Drain any remaining washer fluid into a clean container so it can be reused.



i. Remove the blue washer fluid cap from the washer bottle neck by carefully unsnapping it from the neck.



j. Using a flat head screwdriver, unclip the washer pump from the washer bottle as shown.



k. Pry the washer pump out of the grommet and set it aside. Also remove the grommet and set it aside.



l. Using two flat head screwdrivers, carefully pry up on the lip of the washer level sensor. Take care not to damage the rubber grommet. Some liquid soap and water mixture applied to the sensor may help with removal. Also remove the grommet and set it aside.

### 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.



b. Insert the stock washer pump grommet into the hole on the front of the supplied washer bottle.



c. Apply some liquid soap solution to the washer pump and insert it into the grommet. Firmly press the pump all the way into the grommet.



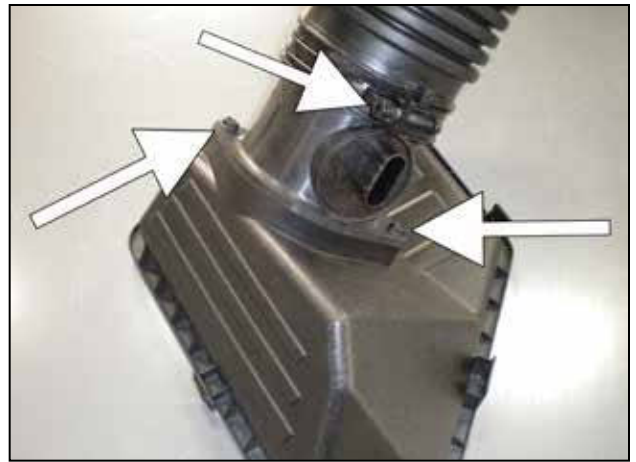
d. Install the level sensor grommet as shown.



e. Apply liquid soap solution to the level sensor and insert it into the grommet. Make sure that the level sensor is pressed all the way into the grommet. The lip of the sensor should be inside the groove of the grommet.



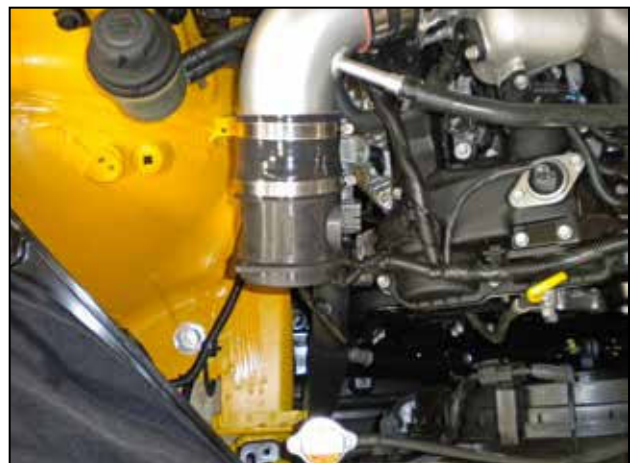
f. Apply the self adhesive rubber pad onto the protrusion on the underside of the washer bottle as shown. Set the new washer bottle assembly aside.



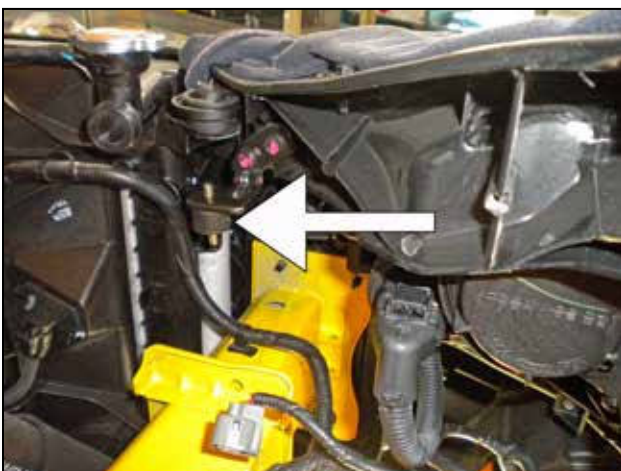
g. Disassemble the MAF from the airbox by removing the two screws. Also loosen the clamp securing the rubber inlet hose to the MAF and remove the hose.



h. Install the upper pipe and 3.5" x 2" throttle body coupler as shown with two #60 Clamps. Secure the crankcase vent hose to the nipple on the inlet pipe with the OE spring clamp. Plug in the headlight unplugged in Step 2e.



i. Attach the MAF sensor to the upper pipe as shown using the 3.5" x 3" coupler and two #60 clamps. Be sure that the MAF sensor is oriented as shown, and arrow on the MAF is pointing toward the engine.



j. Install the supplied M6 rubber mount from the underside of the bracket as shown.



k. Install the washer bottle assembly and attach it with two of the M6 bolts removed in step 2d.



l. Install the lower pipe with the 4.0" x 2" coupler and two #64 clamps. Align the bracket with the rubber mount and secure it with the washer and M6 nut.



m. From underneath the car, install the filter with the #64 clamp. Slide the filter onto the end of the pipe until the pipe reaches the stop inside the filter, then tighten the clamp.



n. If the vehicle is equipped with fog lights, unwrap the wire loom as shown and separate the fog light wires.



o. Install the supplied section of wire loom on the exposed fog light wires and secure it with tape. Unclip the washer fluid hose from the clip that attaches it to the inner fender, and push the hose and two wire connectors up top behind the headlight.



p. Plug in the washer pump and washer fluid level sensor. Reattach the washer fluid hose to the pump and fill up the washer bottle, then snap on the blue washer fluid cap.



q. Reinstall the fender liner and wheel.

#### 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 moved or removed are properly tightened.
- d. Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

#### 5. Service and Maintenance

- a. It is recommended that you service your AEM® Dryflow™ filter every 20,000 miles for optimum performance. Use AEM Dryflow cleaning kit part # 21-110.
- b. Use aluminum polish to clean your polished AEM® intake tube.
- c. Use window cleaner to clean your powder coated AEM® intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes)**

For technical inquiries  
e-mail us at  
sales@aemintakes.com  
or  
call us at  
800.992.3000

#### AEM Air Intake System Warranty Policy

AEM® warrants that its intake systems will last for the life of your vehicle. AEM will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM warranty claims.

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