



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

**PART NUMBER:**

**21-687C**

(Gun Metal Grey Finish)

**21-687P**

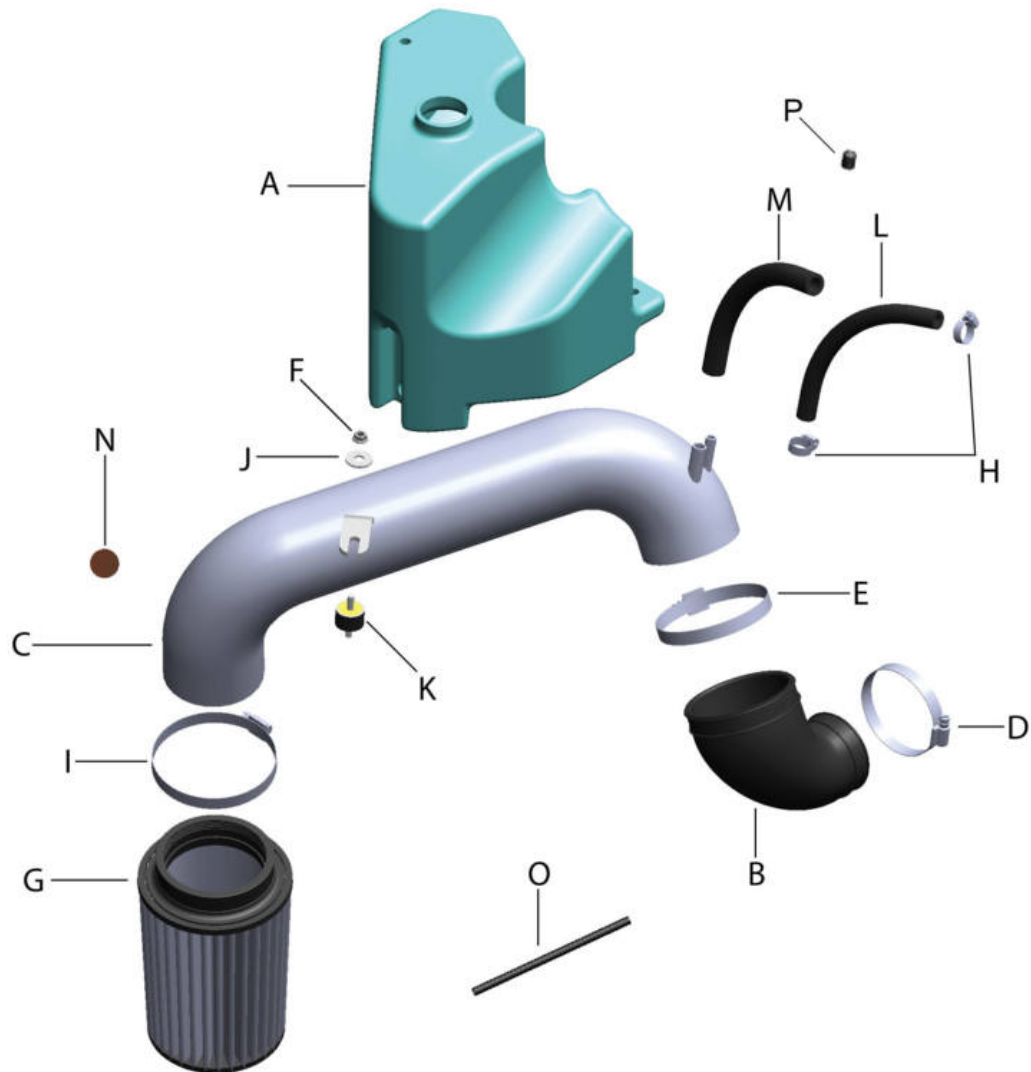
(Vacuum Metalized Chrome - VMC)

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2010-2012 HYUNDAI Genesis Coupe L4-2.0L Turbo C.A.R.B. E.O. # D-670-21

## PARTS LIST:

	Description	Qty.	Part Number
A	Washer Bottle	1	9-0383
B	Coupler	1	5-1036
C	Inlet Tube	1	2-1402C/AP
D	1/2" Bnd. Hose Clamp, 2.31-3.25"	1	9444
E	1/2" Bnd. Hose Clamp, 3.15"-4.00"	1	9456
F	Nut, M6 Hex Serrated	1	444.460.04
G	Element Parts Kit 3.5" X 7" Dry Media	1	21-2047DK
H	Hose Clamp, 3/4"	2	4093-5
I	1/2" Bnd. Hose Clamp, 3.31"-4.25"	1	9460
J	Washer, 6mm Soft Mount	1	08160
K	Mount, Rubber 5/8" X 6mm	1	1228598
L	Hose; 3/8"ID X 8"L	1	5-1008
M	Hose; 1/2"ID X 9"L	1	5-5009
N	Neoprene, 1/16" X 1" Round Adhesive	1	8-167
O	Convolutd Slit, 1/4" X 6"L Hi-Temp	1	3-2006
P	Vacuum Cap, 3/8"	1	8-101



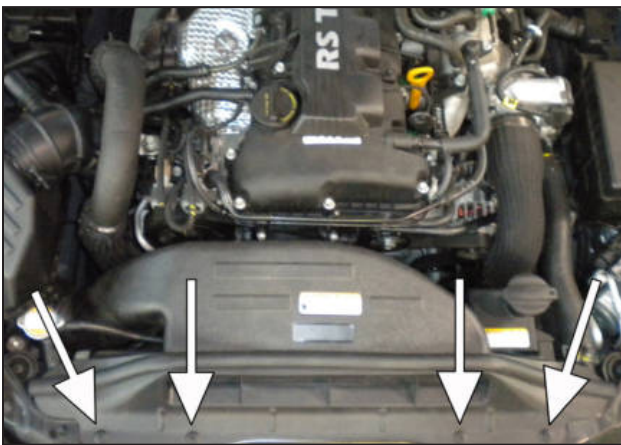
Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

The AEM® intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM air box and intake tract configuration. Failure to follow these instructions will void your warranty.

## 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. Do not discard stock components after removal of the factory system.

## 2. Removal of stock system



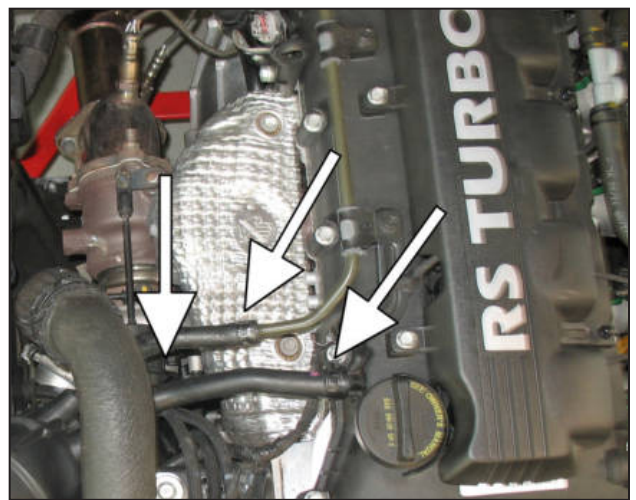
a. Remove the four clips securing the air scoop, remove the air scoop from the vehicle.



b. Loosen the hose clamp on the inlet hose. Unclip the four clips on the air box top and remove it from the vehicle.



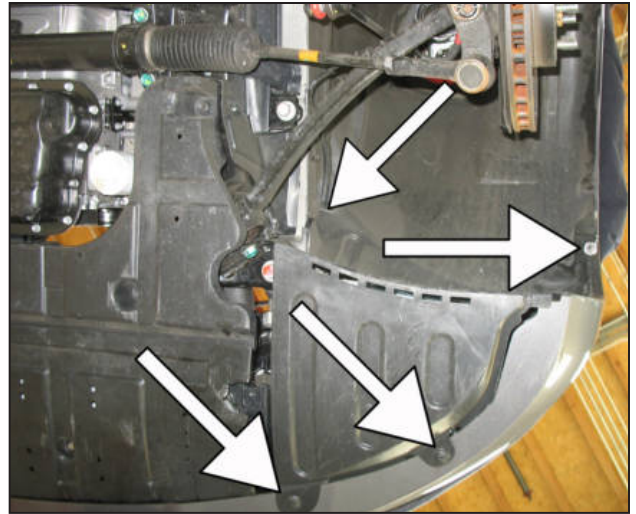
c. Remove the three M6 bolts securing the lower air box, then remove the lower air box.



d. Loosen the hose clamp at the compressor inlet. Locate the two breather hoses connected to the valve cover inlet nipples, compress the spring clamps and slide them off the inlet nipples so the hoses can be removed.



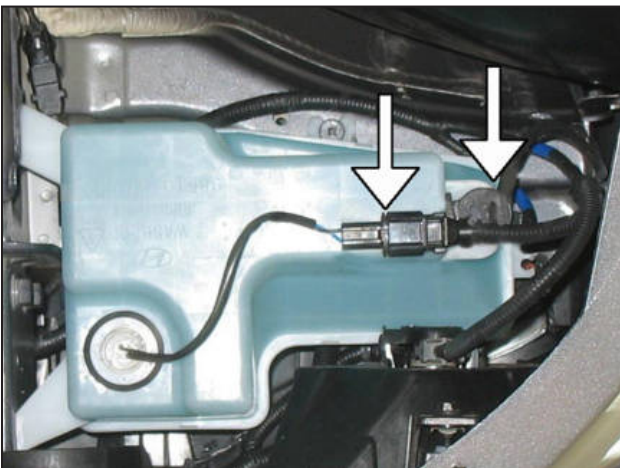
e. Remove the M6 bolt securing the washer bottle filler neck. Also unplug the passenger side headlight.



f. Raise the front of the vehicle with a jack. Refer to your owner's manual for proper jack and jack stand placement to properly support vehicle. Support your vehicle using properly rated jack stands before wheel removal or while working under the vehicle.

**NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS.**

Remove the front passenger wheel. From underneath the vehicle, remove the three clips and one screw from the inner wheel well liner. Pull the wheel well liner back and out of the way as shown.



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



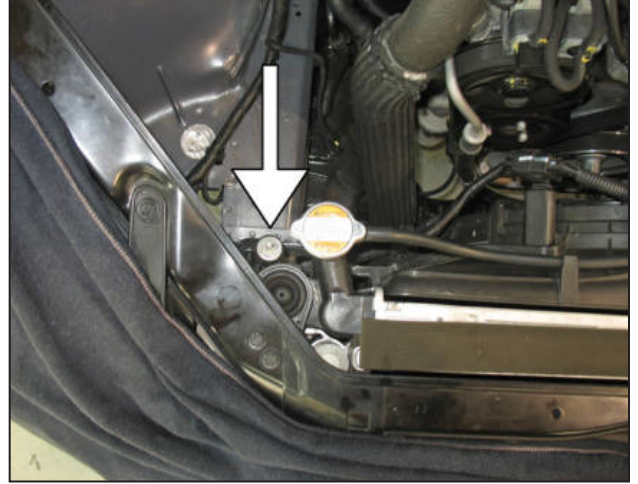
h. Remove the two M6 bolts securing the washer bottle. Unplug the hose from the washer pump and remove the washer bottle from the vehicle. Drain the washer fluid into a clean container and set the washer bottle aside.

### 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.



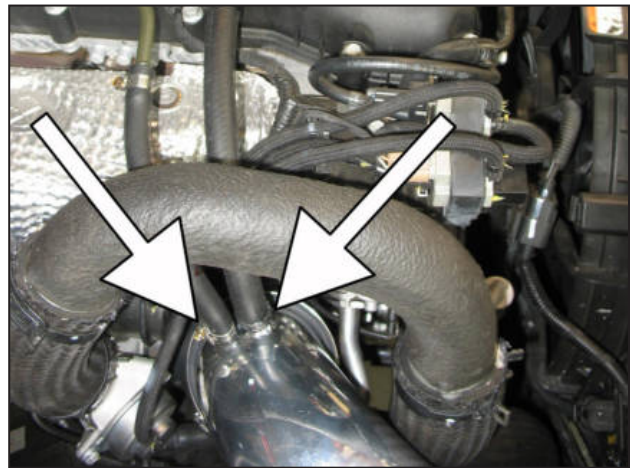
b. Install the compressor inlet coupler using a #9456 and #9444 hose clamp; orient as shown. Plug in the headlight that was unplugged in step 2e.



c. Install the M6 rubber mount in the location shown.



d. Install the inlet pipe by lowering the front end into position, then insert the rear end into the compressor inlet coupler. Guide the pipe's bracket into position on the rubber mount and secure with a M6 nut and washer. Leave the M6 nut loose for now.

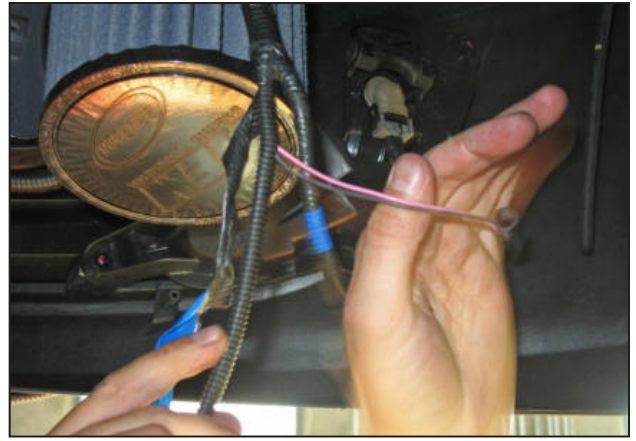


e. Install the larger diameter breather hose to the inlet pipe and valve cover nipple. Secure the large breather hose using the stock spring clamps. Install the smaller diameter breather hose to the inlet pipe and hard line using the two small hose clamps supplied with the kit.

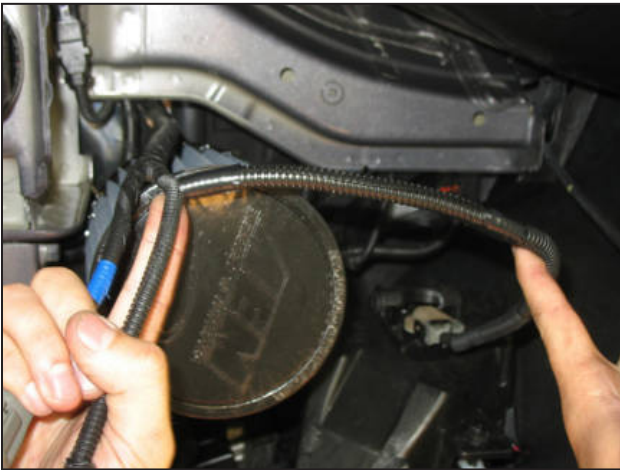
**Vehicles with Automatic Transmission: Install the supplied vacuum cap on the inlet pipe's smaller nipple.**



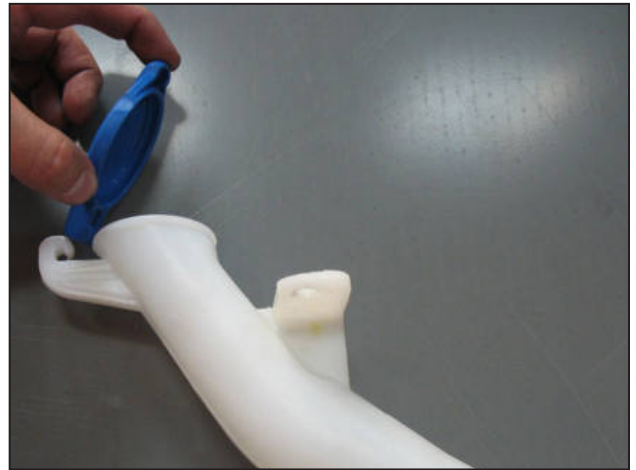
f. From underneath the vehicle, install the air filter with the #9460 hose clamp. Slide the air filter onto the end of the inlet pipe until the pipe reaches the stop inside the filter. Once proper fitment is achieved, tighten the hose clamp.



g. If the vehicle is equipped with fog lights, un-wrap the convoluted slit to expose the wires, then remove the fog light wires.



h. Wrap the supplied convoluted slit over the exposed fog light wires and secure with electrical tape. Unclip the washer fluid hose from the clip that attaches it to the inner fender. Push the hose and the two wire connectors up top behind the headlight.



i. Remove the blue washer fluid cap from the stock washer bottle neck.



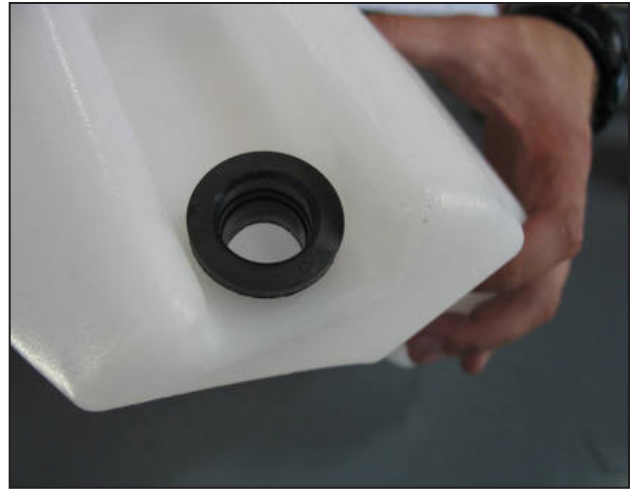
j. Using a flat head screwdriver, unclip the washer pump from the washer bottle as shown.



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, using care not to damage the rubber grommet. A soapy water mixture may be used to aid with the sensor removal. Also, remove the grommet and set aside in a safe area.



m. Insert the stock washer pump grommet into the inlet on the front of the supplied washer bottle.



n. 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.



o. Install the level sensor grommet into the supplied washer bottle as shown.



p. Apply a 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 sit inside the groove of the grommet.



q. Stick the self-adhesive rubber pad onto the small bump that protrudes from the washer bottle.



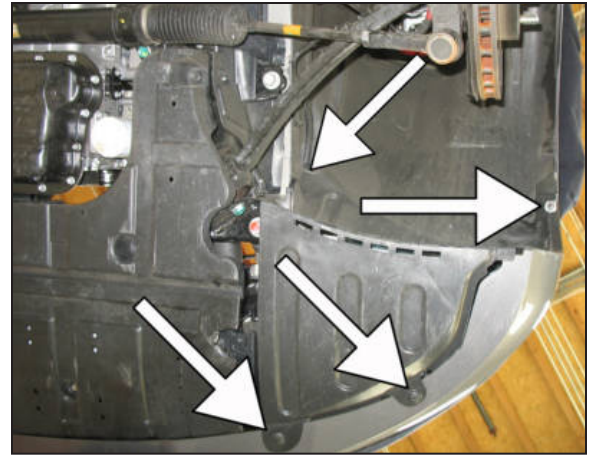
r. Lower the washer bottle assembly into place as shown. Plug the washer hose and wire harness connector to the pump. Plug in the level sensor connector and tuck the wires away. Secure the washer bottle into place with the two M6 bolts removed in step 2h.



s. Refill the washer bottle with the washer fluid drained in step 2h. Snap the blue cap onto the neck of the washer bottle.



t. 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, tighten all hose clamps and the M6 nut on the rubber mount. If desired, reinstall the stock air scoop removed in step 2a.



u. Reinstall the inner wheel liner with the three clips and one screw removed in step 2f.  
**NOTE: Failure to install the fender liner will result in diminished performance and increase the potential for engine damage due to water ingestion in rainy conditions.**

#### 4. Reassemble Vehicle

- a. **Wheel:** Install the front passenger side wheel using the factory torque specification (see owner's manual).
- b. 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.
- c. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- d. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- e. Reconnect negative battery terminal and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

#### 5. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

#### 6. 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 99-0624 and follow the easy instructions.
- b. 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.