



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS
PART NUMBER
AEM-21-796C (GUN METAL GRAY FINISH)

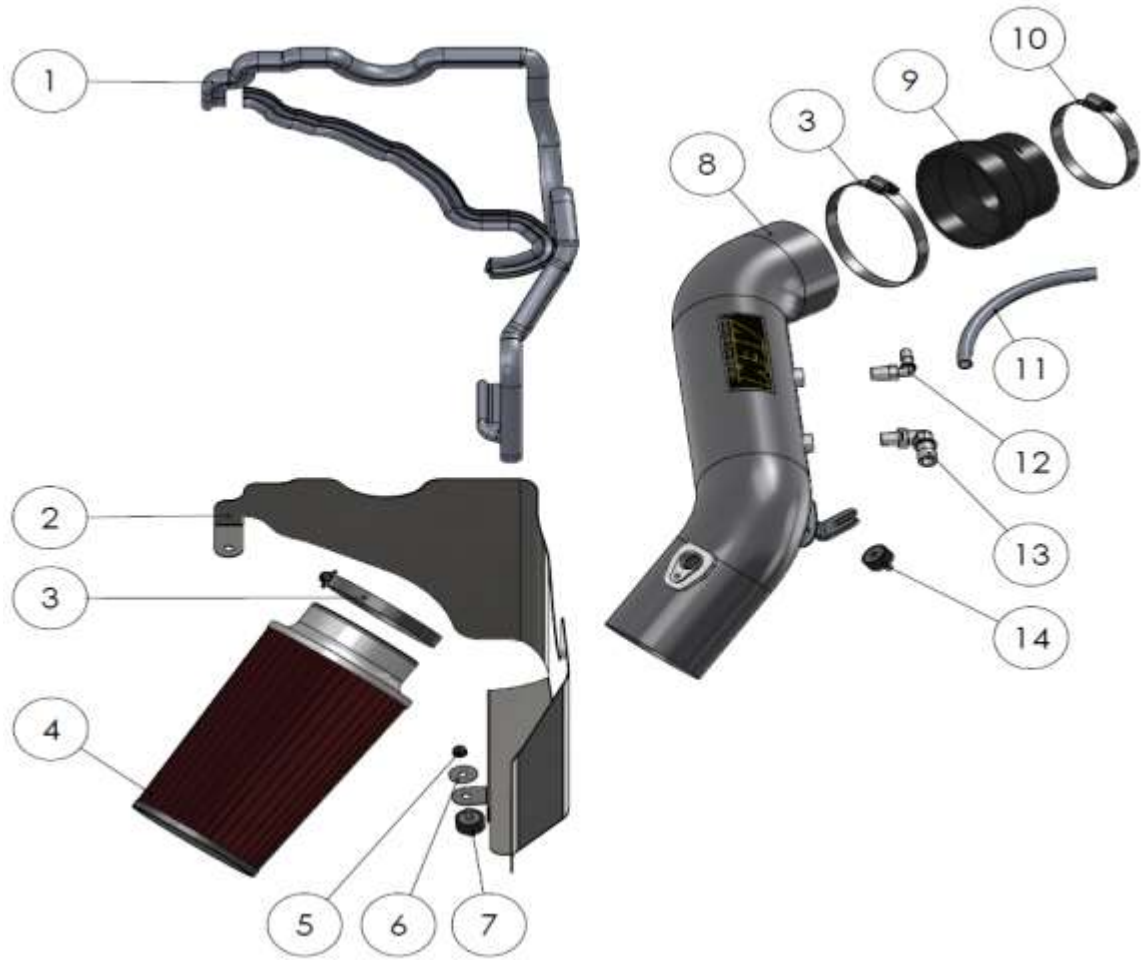
2015-2016

HYUNDAI

GENESIS SEDAN

3.8L V6

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	102472	EDGE TRIM; 3/4" BULB, TOP LOC, 66"L	1
2	20-8583	HEAT SHIELD, HYUNDAI GENESIS, 2015, TB/PC	1
3	9464	1/2" BNDHOSE CLAMP, 3.56"-4.50"	2
4	21-2059DK	AIR FILTER; 4" X 9" DRYFLOW	1
5	444.460.04	NUT; M6 HEX SERRATED	1
6	08160	WASHER; 1"D X 1/4 HOLE FENDER	1
7	07027	STUD; M6-1.00 M/M, RUBBER MNTD	1
8	2-1577C	INTAKE TUBE; 4" OD X 27", 21-796, GUNMETAL GRAY	1
9	5-324	HOSE, ADAPTER 3.25/4.00 X 3" BL	1
10	9452	1/2" BNDHOSE CLAMP, 2.90"-3.75"	1
11	5-1010	HOSE; 3/8" ID X 10" L	1
12	08523	VENT; 1/4 NPT, 90 DEG., 3/8" HOSE BARB, BLACK	1
13	08525	VENT; 1/4 NPT, 90 DEG., 5/8" HOSE BARB	1
14	070228	STUD; RUBBER MNT, M/F, 1/2" L X 1" W, M6 X 1.00	1



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 the 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.
- f. Open the air intake kit package and make sure all parts are included.

Tools Needed:	Optional:
Screwdriver	Small Torque Wrench
10mm Socket	
Socket Driver	
Side Cutters	
4mm Hex Key	

2. Removal of stock system



a. Remove the 13 plastic tabs that secure the engine bay cover by pushing down in the middle of the tabs, and then removing them. Note: Not all clips are shown in picture. Remove the cover.



b. Remove the engine cover by pulling it up and out of the vehicle.



c. Remove the two bolts securing the brace to the vehicle. These will be reinstalled in step 3m.



d. Remove the nut that secures the intake resonator to the engine. This nut will not be reused.



e. Release the tension on the spring clamp, and remove the hose from the 2-way check valve.



f. Release the tension on the spring clamp, and remove the hose from the stock intake tube.



g. Loosen the hose clamp at the throttle body.



h. Remove the two bolts securing the air box to the vehicle. Note: One of these bolts will be reused in step 3f.



i. Remove the pressure sensor connector from the sensor, then unclip the harness from the air box.



j. Remove the stock intake assembly by lifting it up and out of the vehicle.



k. Remove the bolt circled on the passenger side valve cover. Note: This will be reused in step 3j.



l. Remove the two outside spring clamps off the stock intake vent line. Note: These will be reused in step 3k.



m. Remove the bolt securing the pressure sensor to the stock upper air box. Note: this will be reinstalled in step 3a.

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 pressure sensor with the bolt removed in step 2m into the AEM intake tube.



b. Install the provided 90° elbows into the AEM intake tube as shown. Note: The larger one will go on the filter side of the AEM intake tube.



c. Install the provided edge trim around the AEM heat shield as shown. Note: Cutting the trim to fit will be necessary.



d. Install the provide rubber mount into the vehicle chassis as shown.



e. Install the AEM heat shield into the vehicle aligning the tab with the previously installed rubber mount. Then secure it with the provided washer and nut.



f. Using a bolt from step 2h, secure the heat shield to the vehicle.



g. Install the provided coupler onto the throttle body, tightening the hose clamp closest to the throttle body to 30 in-lbs.



h. Install the provided rubber mount onto the passenger valve cover where the original bolt was removed in step 2k.



i. Install the AEM intake tube into the coupler while aligning the bracket with the rubber mount. Then tighten the hose clamp at the AEM intake tube.



j. Install the bolt removed in step 2k. to secure the AEM intake tube to the rubber mount.



k. Slide the spring clamps that were removed in step 2l. onto the provided hose. Then, attach the hose to the AEM intake tube and 2-way check valve. Note: Trimming the hose may be necessary.



l. Install the vent line onto the AEM intake tube and secure with the spring clamp removed from step 2l.



m. Clip the pressure sensor connector into the pressure sensor. Then, clip the harness to the AEM heat shield.



n. Install the AEM filter into the vehicle and onto the AEM intake tube. Tighten the provided hose clamp to 30 in-lbs.



l. Reinstall the engine cover that was removed in step 2b. by aligning the 4 mounts to its grommets.



m. Reinstall the brace and bolts onto the vehicle and tighten to 3.6 ft-lbs.



n. Reinstall the engine bay cover into the vehicle and secure with the clips removed in step 2a. Note: You will only use 12 of the clips (not all pictured)



STOCK INTAKE INSTALLED



AEM INTAKE INSTALLED

4. Reassemble Vehicle

- a. Position all kit components for best fitment. Ensure that no components contact any unintended part of the vehicle.
- b. Check for proper hood clearance. Re-adjust components if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and ensured that all fasteners that were moved or removed are properly tightened.
- d. Reconnect negative battery terminal and start 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 powder coated AEM[®] intake tube.

NOTE: DO NOT USE aluminum polish on powder coated AEM[®] intake tubes.