



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

## INSTRUCTIONS

**PART NUMBER: 21-718**

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2012-13 HYUNDAI

ELANTRA

1.8L

SEE\*NOTE

## PARTS LIST

	Description	Qty.	Part Number
A	TUBE, INTAKE, 2012 HYUNDAI ELANTRA 1.8L	1	2-1496
B	MOUNT, INSULATED, M6 X 0.625	1	1228598
C	WASHER, FLAT, M6 X 1.0 DIA.	1	08160
D	NUT, HEX, FLANGED M6-1.0	1	444.460.04
E	HOSE, COUPLER, SILICONE 2.75" DIA X 3.0	1	5-275
F	1/2" BNDHOSE CLAMP, #48, 2.56"-3.50" DIA.	3	9444
G	AIR FILTER ELEMENT ASSY. 2.75 X 5.0" OFFSET	1	21-202DOSK



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<sup>®</sup> 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 airbox and intake tract configuration. Failure to follow these instructions will void your warranty.

### 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. Open vehicle hood. Remove the plastic engine cover.



B. Disconnect the breather return hose at the stock intake tube.



C. Disconnect PCV hose on top of the valve cover and pull it aside to expose the hose clamp at the throttle body below.



D. Loosen the hose clamp at the throttle body.



E. Unfasten the airbox clamps and remove the stock airbox lid and intake tube.



F. Remove the stock air filter. Do not discard.



G. Remove the 3 M6 mounting bolts with a 10mm socket. Slide the lower airbox housing to the left and remove it from the engine bay.



H. Depress the center buttons of the two plastic clips retaining the stock intake scoop to the radiator support. Pull up on the clips to remove them, then remove the stock intake scoop.



I. Using a #2 Phillips screwdriver, unscrew the 2 plastic clips retaining the plastic underside brush guard to the front bumper on the driver's side, then remove the clips.



J. Raise the vehicle safely and remove the left front (driver's side) wheel. Make sure to set the parking brake, chock the rear wheels, and **use proper jack stands before working under the vehicle.**



K. Unscrew and remove the 3 front plastic clips retaining the drivers' side fender liner. Pull the fender liner aside to expose the stock intake silencer.



L. Inside the wheel well area, remove the 3 M6 bolts retaining the intake silencer to the frame support.



M. Under the hood, remove the 4th and final M6 bolt retaining the intake silencer to the frame support.



N. Lower and remove the large intake silencer from the wheel well.



O. The stock intake silencer.

### 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 two #48 hose clamps (F) onto the silicone hose (E), then install the hose over the throttle body flange. Tighten the hose clamp over the throttle body flange and leave the other clamp loose.



B. Install the insulated M6 mounting stud (B) into the fender well and fully tighten by hand. Use the M6 threaded hole to the left of the hole actually used to mount the stock air box.



C. Carefully install your new AEM Cold Air Intake tube (A) by first inserting the inlet into the fender well access hole and aligning the bracket mount to the insulated M6 mounting stud as shown.



D. Then insert the outlet end of the intake tube into the silicone hose at the throttle body.



E. Loosely install the flat washer (C) and M6 flanged hex nut (D) over the M6 mounting stud as shown. Do not tighten yet.



F. Once properly seated, tighten the second hose clamp at the intake tube outlet connected to the throttle body.



G. Connect the breather hose onto the intake tube at the breather nipple using the stock clamp as shown.



F. Re-connect the PCV hose at the valve cover.



G. Inside the fender well, mount your new AEM® Dry-flow™ Air Filter (G) onto the intake tube inlet. Rotate the offset filter to clear the fog lamp and the wheel well cover, and then secure with the hose clamp.



H. If you drive regularly in inclement weather, consider installing an AEM® Pre-Filter Wrap to protect your Dryflow™ filter for added peace of mind.



I. Reposition the plastic fender liner and brush guard under the bumper, and then re-install the 5 plastic clips you removed earlier. You can simply push them into each hole to lock in place.



J. Now fully tighten the M6 hex nut (D) at the mounting bracket to secure the pipe into place.



K. Re-install the driver's side wheel and torque down the lug nuts to the factory specifications found in your Vehicle Owner's Manual using a torque wrench.



L. Re-install the stock engine cover.



BEFORE: The stock intake system.



AFTER: AEM 21-718 Cold Air Intake System.



#### 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 any rubber mounts (if applicable), 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 the negative battery terminal and start the engine. Let the vehicle idle for 3 minutes. Perform 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 than 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<sup>®</sup> Induction Systems requires cleaning the intake system's Dryflow<sup>™</sup> 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<sup>®</sup> intake tube. **NOTE: DO NOT USE aluminum polish on powder coated AEM<sup>®</sup> intake tubes.**