



Equipped with AEM® Dryflow™ Filter

No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-715

2012 HYUNDAI

VELOSTER

1.6L

NOTE*

PARTS LIST

	Description	Qty.	Part Number
A	HOSE CLAMP, 2.15"-3.0"	1	9440
B	HOSE, ADAPTER 2.50/3.0" X3"	1	5-253
C	INTAKE TUBE	1	2-1495
D	HOSE CLAMP, 2.56"-3.0"	2	9448
E	AIR FILTER	1	21-203DOS
F	HOSE; 3/8"ID X 18"L	1	5-1018
G	HOSE CLAMP, 5/8	2	4093-3
H	NUT; M6 HEX SERRATED	1	444.460.04
I	WASHER 1"DX1/4 HOSE FENDER	1	08160
J	MOUNT, RUBBER	1	1228599



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 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. Never work under a vehicle without using jack stands.
- f. Do not discard stock components after removal of the factory system.

2. Removal of stock system



A. Lift up and remove the engine cover.



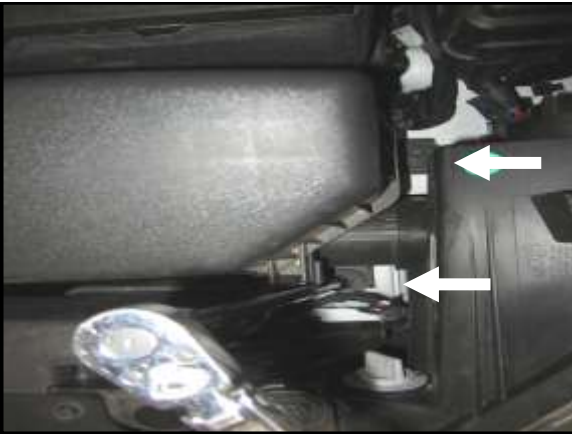
B. Release the clip on the valve cover for the PCV hose, then remove the hose from the valve cover.



C. Loosen the clamp on the throttle body.



D. Loosen and remove the left 6mm bolt holding the air box.



E. Loosen and remove the two 6MM bolts on the right of the air box.



F. Now remove the stock intake system.



G. 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. Remove the driver side wheel.



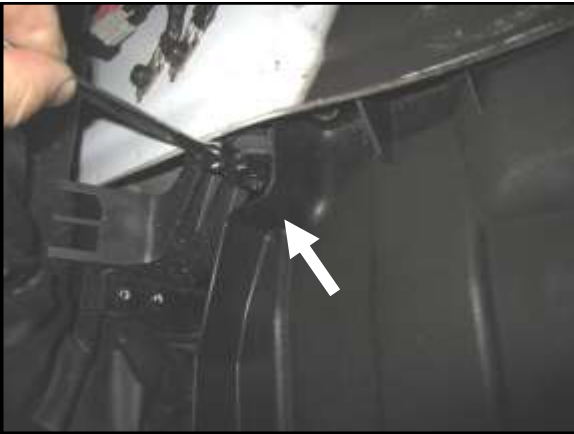
H. Remove the two lower clips on the bottom of the fender liner .



I. Remove the three upper clips on the fender liner.



J. Move the fender liner out of the way to gain access to the resonator .



K. Remove the 6MM bolt on the frame rail holding the top of the air box resonator.



L. Remove the lower 6MM bolt on the bottom front of the resonator .



M. Release the clip holding the fog light wire harness.



N. Remove the top front 6MM bolt holding the top of the resonator.



O. Remove the resonator.



P. Push in on the center of the clips as shown and remove clips. Remove the air scoop.

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 reducer coupler (B) (5-253) on the throttle body with the #40 (A) and # 48 (D) hose clamp.



B. Tighten the #40 (A) hose clamp on the throttle body.



C. Install the rubber mount (J) in the OEM threaded bolt hole as shown.



D. Install the AEM intake tube (C).



E. Install the 6MM washer (I) and nut (H) on the rubber mount.



F. Install the AEM filter (E) with the #48 hose clamp.



G. Rotate the AEM filter to allow for proper clearance and tighten the hose clamp on the filter.



H. Make sure you have clearance around the filter and tighten the 6MM nut installed in step E.



I. Tighten the # 48 hose clamp (D).



J. install the 3/8 hose (F) and 5/8 (G) hose clamp on the intake tube.



K. Install the 3/8 hose (G) and 5/8 hose clamp (F) on the PCV breather on the valve cover.



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 M6 nut on the rubber mount.



M. Reinstall the inner wheel liner with clips removed in steps 2H and 2I. **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.**



AEM Intake Installed.

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 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.**