



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# **INSTALLATION INSTRUCTIONS**

## **PART NUMBER**

### **21-817C (GUN METAL GRAY FINISH)**

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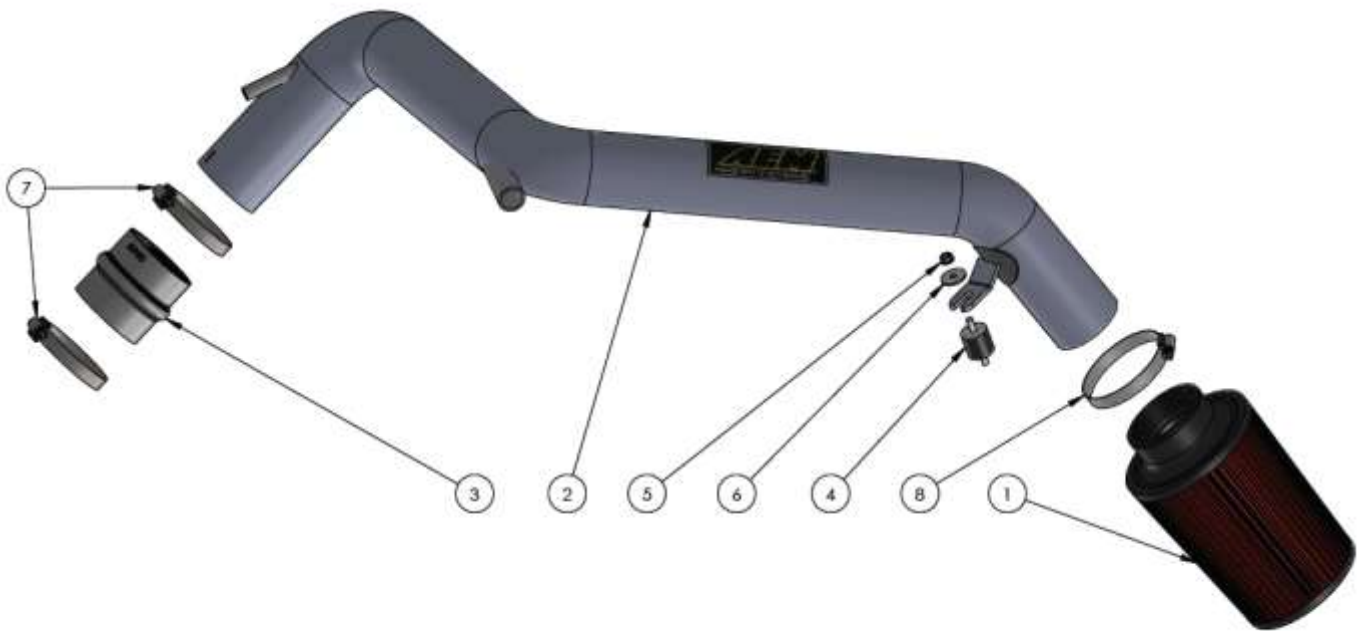
2017

Hyundai

Elantra Sport

1.6T

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	21-2157DK	Air Filter 2-3/4" Flg, 5-1/2"B, 4-3/4T Dryflow	1
2	2-1598C	Tube; 2.75" X 45" L, 2017 Hyundai Elantra 1.6L	1
3	08439	Hose; 2 3/4" ID x 3" L Hump Reinforced	1
4	1228599	Mount; Rubber 1" x 6mm	1
5	444.460.04	Nut; M6 Hex Serrated	1
6	08160	Washer; 1" D x 1/4" Hole Fender	1
7	9444	Hose Clamp; 2.31"-3.25"	2
8	9448	Hose Clamp; 2.56"-3.50"	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

- Make sure vehicle is parked on level surface.
- Set the parking brake.
- If engine has run in the past two hours, let it cool down.
- Disconnect negative battery terminal.
- Do not discard stock components after removal of the factory system.
- Open the air intake kit package and make sure all parts are included.

Tools Needed:	Optional:
Screwdriver	Small Torque
10mm Socket	Wrench
Socket Driver	
Pliers	
8mm nut driver	

## 2. Removal of stock system



- a. Remove the engine cover by lifting up to release it from rubber grommets.



- b. Remove the PCV and recirculation hose from the stock intake tube by using a set of pliers to release the spring clamp.



- c. Loosen the band clamp with a 10mm socket and ratchet. DO NOT REMOVE INTAKE HOSE UNTIL STEP 2d IS COMPLETED.



- d. Detach the 2 latches from the air box lid from the lower air box housing and remove air lid and intake hose.



e. Remove the 2 clips holding the air scoop with screwdriver by depressing the center pin.



f. Remove the 3 bolts that secure the lower air box housing with a 10mm socket and ratchet.



g. Lift and remove the lower air box housing and scoop. AEM recommends that you do not discard the factory intake system.



### 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 supplied coupler and the 2 #44 band clamps. Tighten the turbo tube side only.



b. Install the 6mm rubber mount in the stock air box mounting hole.



c. Install the AEM intake tube into the coupler, then attach the tube to the 6mm rubber mount with supplied M6 nut and washer. DO NOT TIGHTEN THE BAND CLAMP UNTIL FILTER IS INSTALLED.



d. Turn the steering wheel to the left and remove the 2 fender liner clips by using #2 phillip screwdriver.



e. Underneath the car on driver side, remove the 3 fender liner clips by using a #2 phillip screwdriver.



f. After pulling back the fender liner, install the AEM Dryflow filter with provided band clamp into the AEM intake tube, then tighten the band clamp with a 8mm nut driver.



g. Reinstall the PCV hose to the AEM intake tube and secure using the stock spring clamp.



h. Reinstall the recirculation hose to the intake tube and secure using the stock spring clamp.



i. Properly align the intake tube to make sure there is clearance, then tighten the band clamp with a 8mm nut driver and also tighten the M6 nut on the rubber mount.



j. Install the engine cover by aligning the post to the rubber grommets, then pressing down until they are seated.





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 ensure 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.**