



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

**INSTALLATION INSTRUCTIONS**  
**PART NUMBER**  
**AEM-21-8129DC (Gun Metal Gray)**

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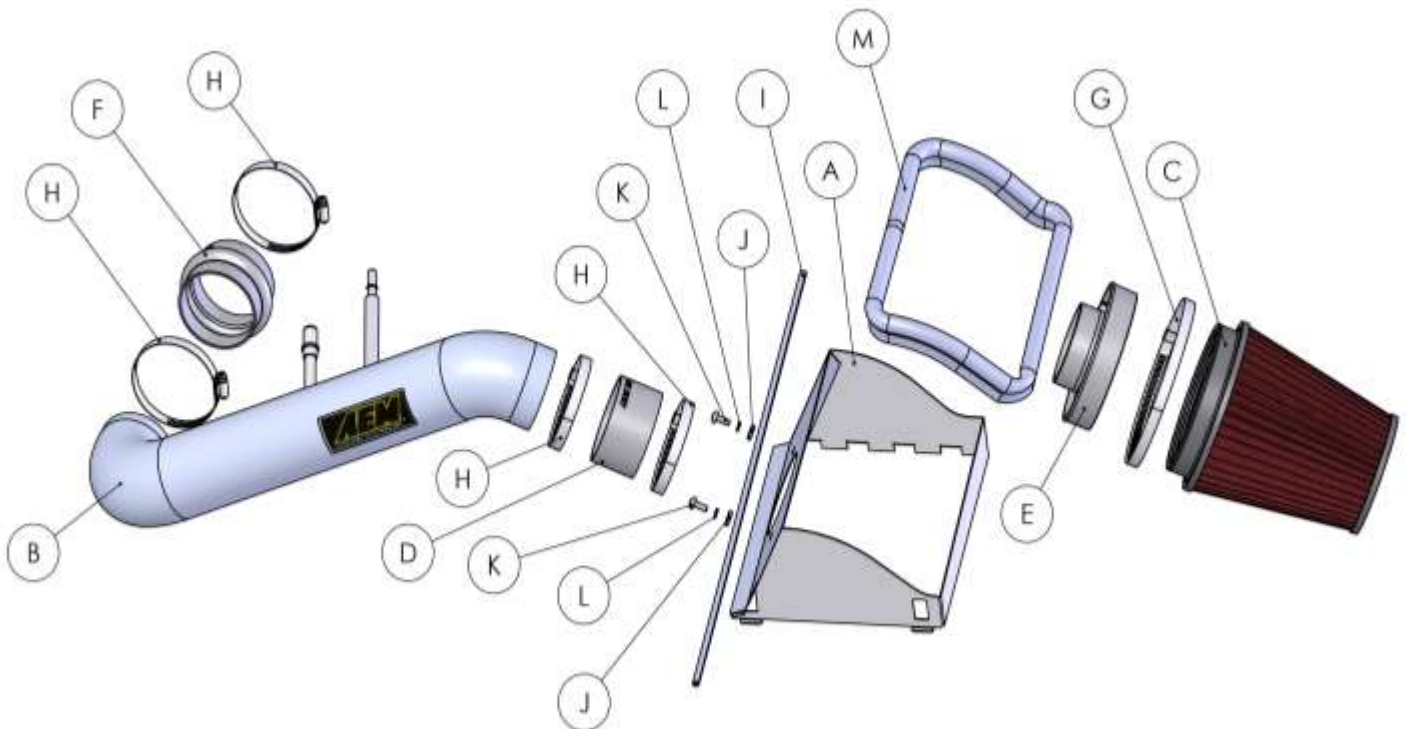
2015

Ford

F-150

5.0L V8

	Description	Qty.	Part Number
A	HEAT SHIELD ASSEMBLY	1	073182
B	INTAKE TUBE	1	27398C
C	AIR FILTER	1	21-210EDK
D	COUPLER HOSE	1	08698
E	FILTER ADAPTER	1	21512-1
F	HUMP HOSE	1	08699
G	HOSE CLAMP	1	8697
H	HOSE CLAMP	4	9456
I	EDGE TRIM; 1/16" GAP, 26" L	1	102459
J	WASHER, FLAT	2	08269
K	BOLT, BUTTONHEAD M6-1.00 X 16MM	2	07730
L	M6 SPLIT LOCK WASHER	2	1-3025
M	EDGE TRIM; 3/4" BUL, 39"L	1	102496



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.

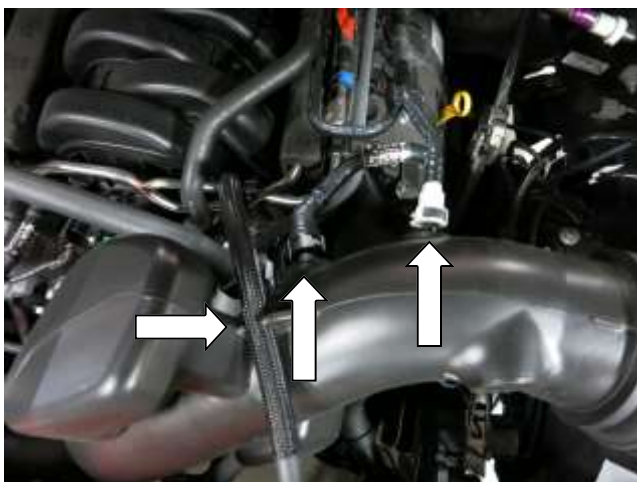
**Tools Needed:**

Screw driver  
10MM socket  
Socket Driver  
Side Cutters  
4MM Hex Key

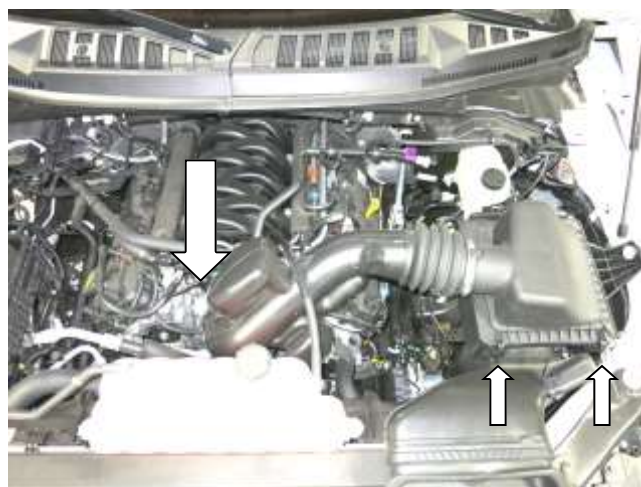
**1. Preparing Vehicle**

- 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.

**2. Removal of stock system**



a. Disconnect EVAP vent and crack case vent connectors from factory intake. Pop coolant hose out of notch.



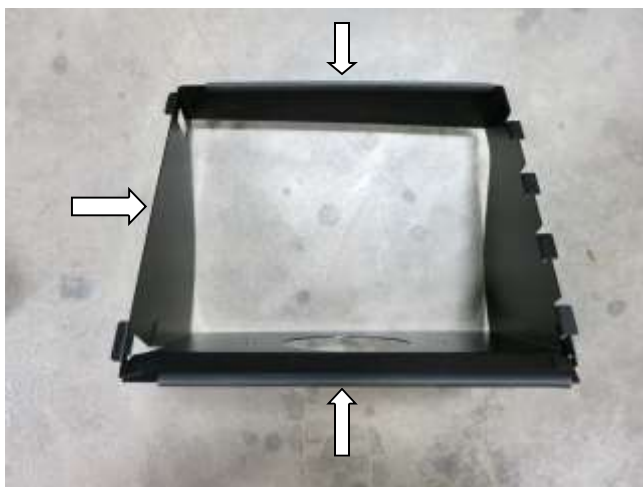
b. Loosen hose clamp at throttle body and release the two clips securing top half of air box.



c. Remove intake tube by lifting top half of air box and moving the whole assembly out, from left to right. Remove factory panel air filter. **Retain all stock components.**

### 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. Cut two 9.5" lengths from small edge trim and install on bottom of heat shield on opposite ends, as shown. Install remaining length on the third edge as shown.



b. Install air filter adapter onto heat shield with provided hardware as shown.



c. Install large edge trim onto top of heat shield, starting from a corner, working around until secured.



d. Install and secure air filter to air filter adapter using the provided large hose clamp.





e. Place heat shield into factory lower air box. Do not secure clips until intake tube is in place.



f. Install included straight hose coupler onto filter adapter and secure with provided hose clamp.



g. Install hump hose coupler onto throttle body and secure with provided hose clamp.



h. Install intake tube at throttle body first, then at air filter. Adjust tube position in couplers for best fit, then secure by tightening hose clamps. Secure heat shield using factory clips at this time.



i. Connect factory EVAP and crank case vent connections to fittings on intake tube.



o. Factory air induction system.



p. Finished installation of AEM Intake System.

#### 4. Reassemble Vehicle

- a. Position the inlet pipes for the best fit. Be sure that the pipes or any other components do not contact any part of the vehicle.
- 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 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<sup>®</sup> intake tube.

**NOTE: DO NOT USE aluminum polish on powder coated AEM<sup>®</sup> intake tubes.**