



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# **INSTALLATION INSTRUCTIONS**

## **PART NUMBER**

### **21-816C (GUN METAL GRAY FINISH)**

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2014-16

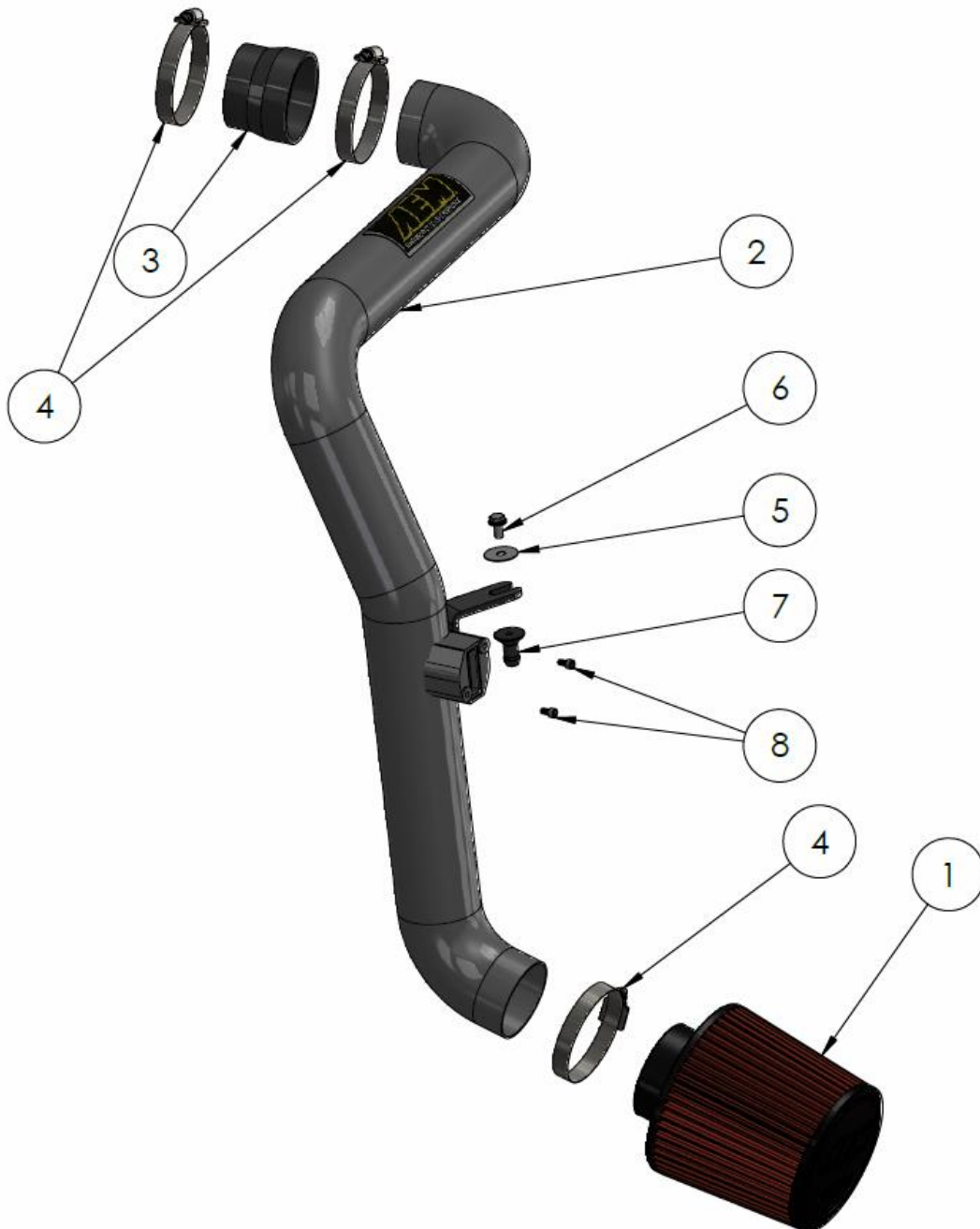
Ford

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1.0T

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| ITEM NO. | PART NUMBER | DESCRIPTION  | QTY. |
|----------|-------------|--|------|
| 1        | 21-2011DK   | Element; 2 3/4" flange 5 1/2" B, 4 3/4 L           | 1    |
| 2        | 2-1595C     | INTAKE TUBE; 2.50" OD X 39"; 2015 FORD FIESTA 1.0T | 1    |
| 3        | 08476       | HOSE; 2-1/2" TO 2-1/4" ID X 2" L TPRD REINFORCED   | 1    |
| 4        | 9440        | HOSE CLAMP, 2.15-3.00"                             | 3    |
| 5        | 08160       | WASHER; 1"D X 1/4 HOLE FENDER                      | 1    |
| 6        | 22224       | BOLT; M6X1.00X12 HEX; FLG, GRADE 10.9, GEO         | 1    |
| 7        | 8-186-1     | MOUNT, PLASTIC AIRBOX, NYLON                       | 1    |
| 8        | 1-2023      | BOLT; SOCKET 8-32 X 5/16" SS                       | 2    |



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. If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

## 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   |                     |
| Utility Knife   |                     |
| 4mm Hex Key     |                     |
| T15 Torx Driver |                     |

## 2. Removal of stock system



a. Disconnect the crankcase vent line by pinching the plastic ring. Move the line out of the way at this time.



b. Disconnect the Intake Air Temperature (IAT) sensor harness by pulling back the red locking tab and depressing the latch.



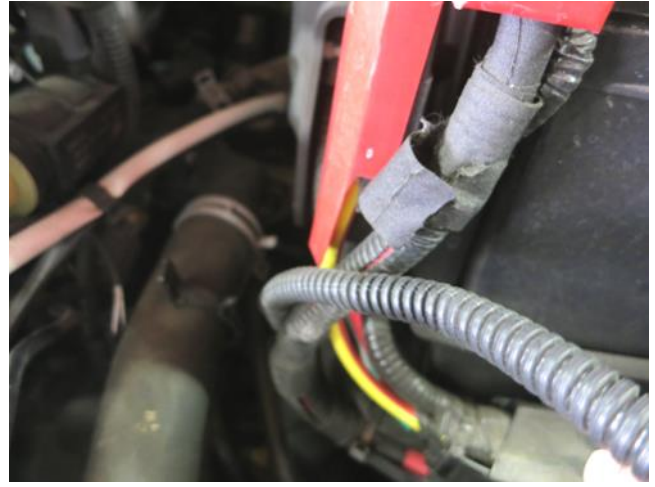
c. Loosen the hose clamp on the factory tube and disconnect the tube.



d. Disconnect the air box duct from the radiator support using a flathead screwdriver.



e. Release the air box and tube from its rubber grommets by pulling up on the assembly and remove it from the engine bay.



f. Using a knife, carefully cut the tape securing the excess IAT sensor harness wire and pull the harness free.



g. Remove the IAT sensor from the factory air box. This sensor will be reused in step 3a. **Do not discard any of your factory equipment.**

### 3. Installation of AEM® intake system.

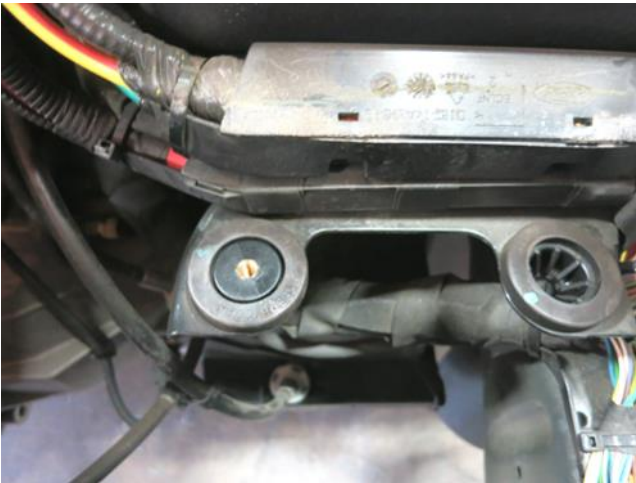
- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



a. Install the IAT sensor into your AEM intake tube using the provided hardware.



b. Install the small end of the provided coupler onto the intake duct and secure using the provided hose clamps. Leave the right-hand side hose clamp loose at this time.



c. Install the included nylon mount into the left-hand side grommet as shown.



d. Lower your AEM intake tube into the engine bay and insert the end into the coupler. Do not tighten the hose clamp at this time.



e. Connect the IAT sensor harness to the IAT sensor and lock with the red locking tab.



f. Use the provided bolt and washer to secure the bracket to the previously installed nylon mount.



g. Install the AEM Dryflow filter with the provided hose clamp from under the vehicle.



h. Position the tube and filter for best fit and tighten the hose clamp at the top of the intake tube.



i. Reconnect the crankcase vent line, ensuring it clicks and secures itself.



j. **Optional:** For driving in inclement weather, it is recommended the AEM Filter Wrap 1-4000 be used; sold Separately.



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<sup>®</sup> intake tube.

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

For technical inquiries  
e-mail us at  
[sales@aemintakes.com](mailto:sales@aemintakes.com)  
or  
call us at  
800.992.3000

## **AEM Air Intake System Warranty Policy**

AEM® warrants that its intake systems will last for the life of your vehicle. AEM® will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM® will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM® intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM® part. In no event shall this warranty exceed the original purchase price of the AEM® part nor shall AEM® be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM® must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM® disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM®. Warranty returns will only be accepted by AEM® when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM® within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM® warranty claims.

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