



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# INSTALLATION INSTRUCTIONS

## PART NUMBER

### 21-811 (GUN METAL GRAY FINISH)

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2014-17	Kia	Forte 5	1.6L
2014-16	Kia	Forte Koup	1.6L

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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	2-1593C	Tube; 2.75" x 46" L 2015 Kia Forte 5 SX I4 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	1/2 Bndhose 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. 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.

<b>Tools Needed:</b>	10mm Nut Driver
Phillips Screwdriver	1/4" ratchet extension
10mm Socket	
Socket Driver	
4mm Hex Key	
8mm Nut Driver	
Pliers	

## 2. Removal of stock system



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



b. Remove the PCV hose from the stock air box tube by using a set of pliers to release the spring clamp.



c. Remove the recirculation hose from the stock intake tube by using a set of pliers to release the spring clamp.



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



e. Detach the 2 latches from the air box lid from the lower air box housing and remove airbox lid and intake hose.



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



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



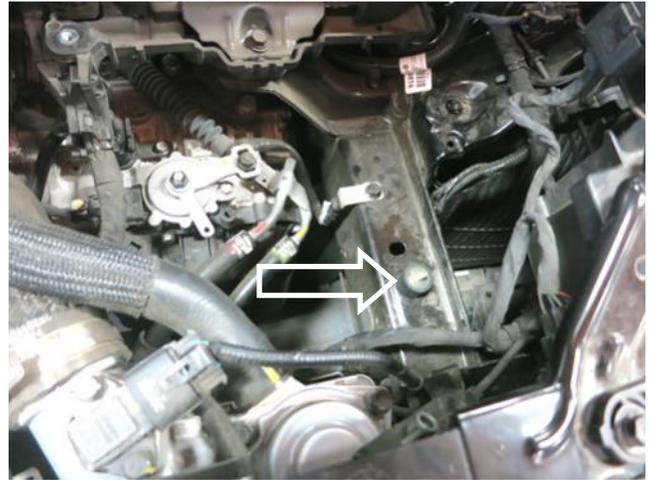
h. Lift and remove the lower air box housing and scoop.

### 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 the coupler and the 2 #44 band clamps.



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



c. Install the AEM intake tube by dropping the filter end inside the frame rail first, then swing the throttle body side in towards the fire wall.



d. Pull the filter end up and over the frame rail to its proper place.



e. Insert the intake tube into the coupler. DO NOT TIGHTEN THE BAND CLAMPS UNTIL FILTER IS INSTALLED.



f. Attach the intake tube to the rubber mount. DO NOT TIGHTEN THE BAND CLAMPS UNTIL FILTER IS INSTALLED.



g. Turn the steering wheel to the left and remove the fender liner clip by using a #2 Phillip screwdriver.



h. Remove the 2 fender liner clips by using a #2 phillips screwdriver.



i. Pull back the fender liner to make room to install the AEM filter.



j. Install the filter onto the AEM intake tube, then tighten the band clamp with a 8mm nut driver.



m. Properly align the intake to make sure there is clearance, then tighten the 6mm nut on the rubber mount.



l. Properly align the intake to make sure there is clearance, then tighten the 2 band clamps with an 8mm nut driver. Torque spec: 30in-lb.



m. Reinstall the PCV hose to the AEM intake tube using the stock spring clamp.



n. Reinstall the recirculation hose to the intake tube using the stock spring clamp.



o. 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 ensured 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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