



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS
PART NUMBER
21-811C (GUN METAL GRAY FINISH)

2015

Kia

Forte 5 SX

1.6L Turbo

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|---|------|
| 1 | 21-2157DK | Element; 2 3/4" flange 5 1/2" B, 4 3/4 L | 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 | 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

- 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: | 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 intake 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 air box lid and intake hose.



f. Remove the 2 clips holding the air scoop with a screwdriver by depressing the center pin. Do not discard the clips.



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.. 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.



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 turbo inlet side in towards the fire wall.



d. Pull the filter end up and over the frame rail to its proper place in the front wheel well.



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 with supplied m6 nut and washer. 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.



k. Properly align the intake to make sure there is clearance, then tighten the m6 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 and secure using the stock spring clamp.



n. Reinstall the recirculation hose to the intake tube and secure 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 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.