



## INSTALLATION INSTRUCTIONS

**21-858C**

**KIA**

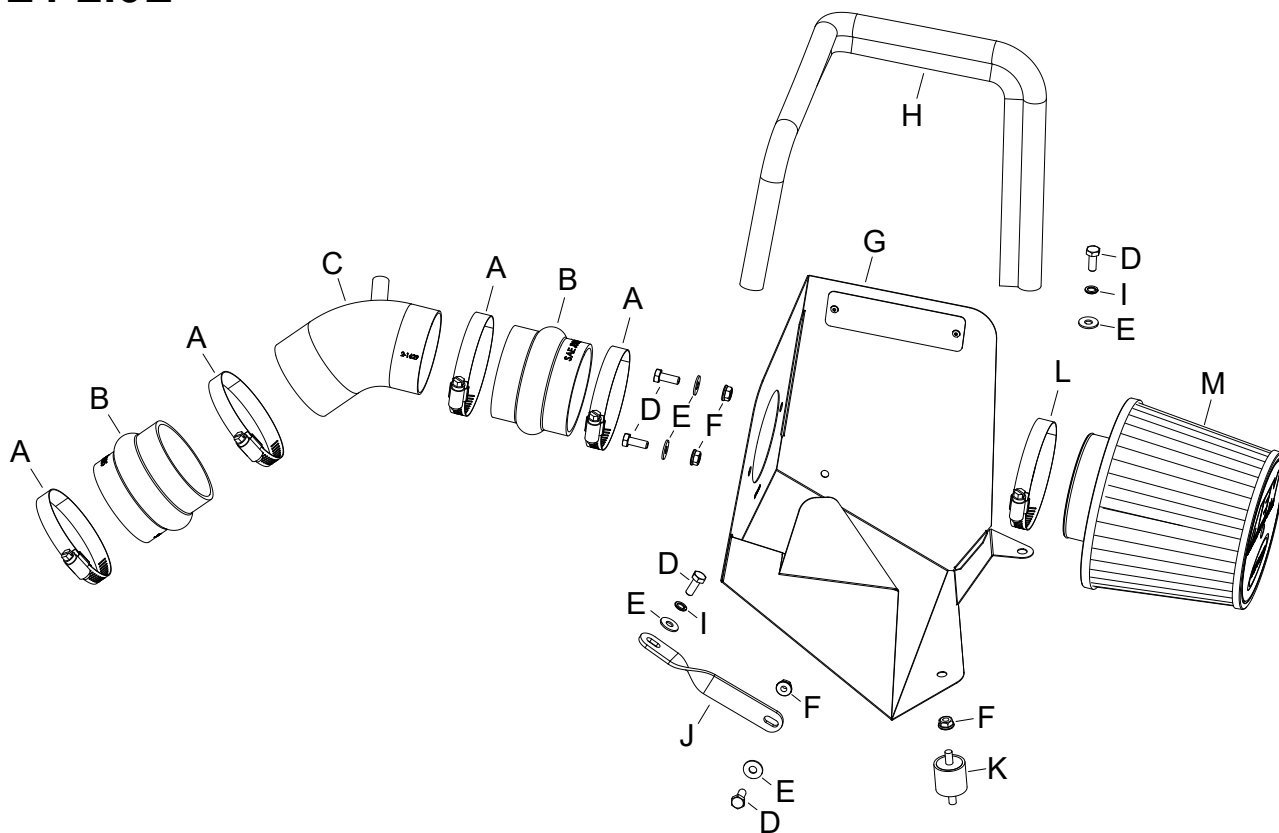
**2019-20 Forte**

**L4-2.0L**

**NOT LEGAL FOR SALE OR USE ON ANY POLLUTION CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR STATES ADOPTING CALIFORNIA EMISSION PROCEDURES.**

### TOOLS NEEDED:

Flat Blade Screw Driver  
10mm wrench  
Ratchet  
Extension  
10mm socket



### PARTS LIST:

Description	Qty.	Part #
A HOSE CLAMP #44 STAINLESS	4	08560
B HOSE; HUMP 2.75"ID X 2.5"L	2	08185
C INTAKE TUBE	1	2-1629C
D BOLT; 6MM-1.00 X 16MM, SS	5	07812
E WASHER; 6MM FLAT, SS	5	08269
F NUT; M6, HEX, SERRATED	4	444.460.04
G HEAT SHIELD	1	20-8643B
H EDGE TRIM (26")	1	102488
I WASHER, M6 SPLIT LOCK ZINC	2	1-3025
J BRACKET; TWIST	1	070772A
K MOUNT, RUBBER 1" X 6MM	1	1228599
L 1/2" BNDHOSE CLAMP, 2.56"	1	9448
M FILTER	1	21-202DK

**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.**

### TO START:

1. Turn off the ignition and disconnect the negative battery cable.

**NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code.**



2. Disconnect the mass air sensor electrical connection. Disconnect the crank case vent line from the intake tube. Loosen the clamps at the throttle body and mass air sensor, then remove the factory intake tube. Push in the center of the pins that retain the fresh air intake duct and then remove the pins.



3. Remove the fresh air intake duct from the vehicle. Remove the three bolts that secure the air filter housing and then remove the air filter housing from the vehicle.

**NOTE: AEM recommends that customers do not discard factory air intake.**



4. Install the rubber mounted stud into the frame rail at the air filter housing mounting location.



5. Install the provided hump coupler (08185) onto the throttle body and secure with the provided hose clamp.



6. Install the provided edge trim onto the heat shield as shown.  
**NOTE: Some trimming of the edge trim will be necessary.**





7. Install the provided bracket (070772A) onto the heat shield as shown using the provided hardware.



8. Remove the mass air sensor from the factory air filter housing and install it into the AEM® heat shield and secure with the provided hardware.

**NOTE: Remove the O-ring seal from the mass air sensor housing before installing it onto the heat shield.**



9. Install the hump coupler (08185) onto the mass air sensor and secure with the provided hose clamp.



10. Install the heat shield and secure with the provided hardware. Install the AEM® intake tube into the couplers and adjust for best fit and secure with the provided hose clamps.



11. Reconnect the mass air sensor electrical connection. Connect the crank case vent hose and secure with the factory spring clamp.



12. Install the AEM® air filter and secure with the provided hose clamp.



13. Remove the hose from the fresh air intake duct and then reinstall the duct and secure with the factory retaining pins.  
**NOTE: The hose is glued to the duct.**



### Reassemble Vehicle

Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened. Reconnect negative battery terminal and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

### Service and Maintenance

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 99-0624 and follow the easy instructions. Use window cleaner to clean your powder coated AEM® intake tube.

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

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