



Warning: Manufactures attempting to duplicate Injen's patented process will now face legal action.

MR Technology Step down process:

- 1- Calibration Method for [Air Intake](#) Tracts for Internal Combustion Engines. Covered under Patent# 7,359,795
- 2- Calibration Device for Air Intake Tracts for Internal Combustion Engines. Published and patent pending
- 3- Calibration Method and Device for Air Intake Tracts having Air Fusion Inserts Published and patent pending

**Part number IS1321
2009-12 Kia Forte 2.4L 4 cyl.
ALL**

- 1- 1 short ram intake system
- 1- Air Box Plate (#11057)
- 1- 3.00" Small Filter (#1020)
- 1- M6x25 Bolt (#6006)
- 1- Fender Washer (#6010)
- 2- 48 Clamps (#4004)
- 1- 2.75"X3.00" 45 deg. elbow (#3013)
- 1- 12mm hose @4.5" L (#3078)
- 1- 8mm vacuum cap (#8005)
- 1- 4 page instruction

Congratulations! You have just purchased the best engineered, dyno-proven cold air intake system available.

Please check the contents of this box immediately.

Report any defective or missing parts to the Authorized Injen Technology dealer you purchased this product from.

Before installing any parts of this system, please read the instructions thoroughly. If you have any questions regarding installation please contact the dealer you purchased this product from.

Installation DOES require some mechanical skills. A qualified mechanic is always recommended.

*Do not attempt to install the intake system while the engine is hot. The installation may require removal of radiator fluid line that may be hot.

Injen Technology offers a limited lifetime warranty to the original purchaser against defects in materials and workmanship. Warranty claims must be handled through the dealer from which the item was purchased.

Please check the contents of this box immediately.

Note: This intake system was Dyno-tested with an Injen filter and Injen parts. The use of any other filter or part will void the warranty and CARB exemption number.



Note: Injen strongly recommends that this system be installed by a professional mechanic.

MR Technology

**"The World's First Tuned air Intake System!"
Factory safe air/fuel ratio's for Optimum performance**

Patent# 7,359,795

Now equipped with "Air Fusion" Patent pending

"At Injen Technology, we didn't copy the step down process, we invented it!"



Figure 1



Figure 2



Figure 3
Stock box shown in this picture



Figure 4
Remove the plastic engine cover by firmly lifting up.

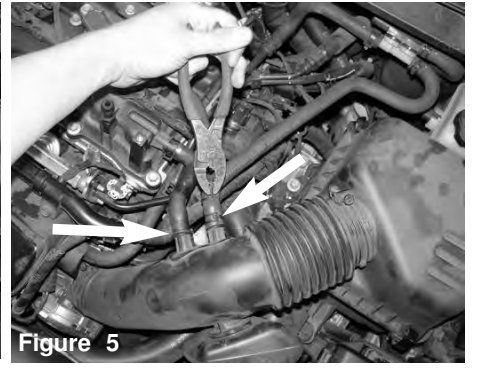


Figure 5
Use a plier and loosen the two pressure clamps on the two breather lines on the air box duct.



Figure 6
Remove the crank case line from the vehicle. If equipped with the brake booster line, disconnect from the intake and save for later install.



Figure 7
Use a 10mm socket and ratchet to loosen the clamp on the air duct connected to the throttle body

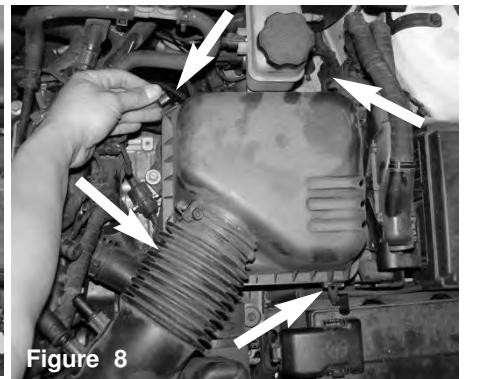


Figure 8
There are four retaining clips that you will have to unlatch to remove the upper portion of the factory air box cleaner

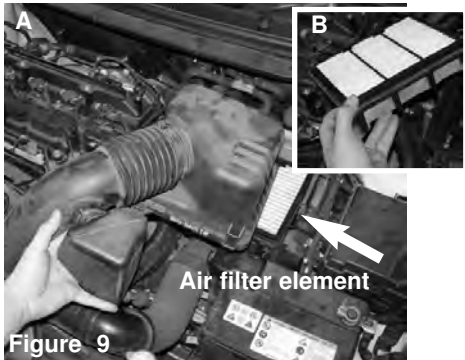


Figure 9
Figure A: Remove the entire upper portion of the air box cleaner. **Figure B:** Now remove the air cleaner element. This filter will no longer be used in this installation

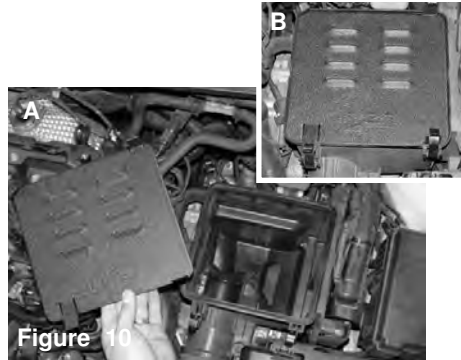


Figure 10
Figure A: Place the Injen Air box ventilation cover onto the top of the air box cleaner and use factory latch to keep cover in place. **Figure B:** Injen Cover shown on top of factory air box

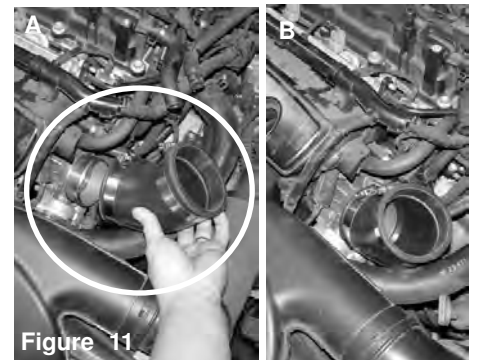


Figure 11
Figure A: Place the 2.75\"X3.00\" 45 degree elbow with two 48 clamps onto the throttle body. Make sure the 2.75\" side goes onto the throttle body. **Figure B:** Hose shown on throttle body



Figure 12
Attach the provided 12mm hose to the crank case fitting on engine.



Figure 13
Install the air filter to the intake tube and tighten using 8mm nut driver.

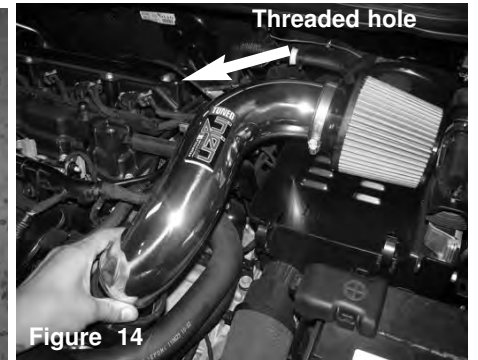


Figure 14
Install the intake system. Line up the intake bracket next to the threaded insert on the valve cover.



Figure 15

Secure the crank case line to the fitting on the intake tube.



Figure 16

Locate the insert on the valve cover, and secure the bracket using provided M6 screw and fender washer. Tighten using 10mm socket and ratchet.

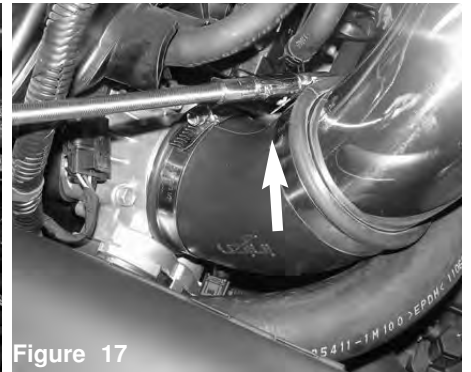


Figure 17

Once you have adjusted the intake and 45 degree elbow for the best possible fitment, tighten the two clamps on the 45 degree elbow



Figure 18

(AUTOMATIC MODELS ONLY) Place the vacuum line from the brake booster to the 3/8" straight nipple underneath the intake pipe. Make sure to reuse the pressure clamps to secure the vacuum line.



Figure 19

(MANUAL TRANSMISSION ONLY) Place the 8mm cap onto the 3/8" nipple



Figure 20

Reinstall the engine cover



Make sure everything is tighten. Position for best possible fit.



Congratulations! You have just completed the installation of this intake system. Periodically, check the alignment of the intake, normal wear and tear can cause nuts and bolts to come loose. Failure to check the alignment and adjust the intake can cause damage that will void the warranty.

1. Upon completion of the installation, reconnect the negative battery terminal before you start the engine.
 2. Align the entire intake system for the best possible fit. Once the intake has been properly fitted continue to tighten all nuts, bolts and clamps.
 3. Periodically, recheck the alignment of the intake system and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.
 4. Start the engine and listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that maybe causing leaks or rattles and correct the problem.
 5. Check the filter for excessive dirt build up. Clean or replace the filter with an original Injen filter.
- Congratulations! You have just completed the installation of the best intake system sold on the market. Enjoy the added power and performance of your new intake system.