



Cyborg Intake System

“The World’s First Tuned air Intake System!”

Factory safe air/fuel ratio’s for Optimum performance
Injens tuning process covered by three U.S. Patents

Part number SP1334

2015-2019 Hyundai Sonata

2016-2019 Kia Optima

L4 2.0L Turbo

- 1- SRI intake pipe
- 1- 3.50" Filter (#1015)
- 1- 2.50"-3.25" step hose (#3212)
- 1- #48 clamp (#4004)
- 1- #40 clamp (#4003)
- 1- Air diverter bracket (#11151)**
- 1- M6 vibramount (#6020)
- 2- M6 nut (#6002)
- 2- fender washer (#6010)
- 1- M6x40 bolt (#6007)
- 1- Stainless bracket (#20011)
- 1- 3/8"x1" spacer (M-10016)
- 4 page instruction

Note: All parts and accessories now sold on-line at :

www.injenonline.com

Note: This Injen Cyborg Intake System does not have CARB exemption and is not legal for sale or for use on any vehicle registered with the California Department of Motor Vehicle and any other state adopting to California emissions standards. The use of this device on public streets or highways is strictly prohibited on vehicles in California and others states that have adopted California emission regulations. Legal in California for use on race vehicles only.

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.

Injen Technology 244 Pioneer Place Pomona, CA 91768 USA

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.

Parts and accessories are available on line at “Injenonline.com

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



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



Figure 1



Figure 3
Stock box shown in this picture

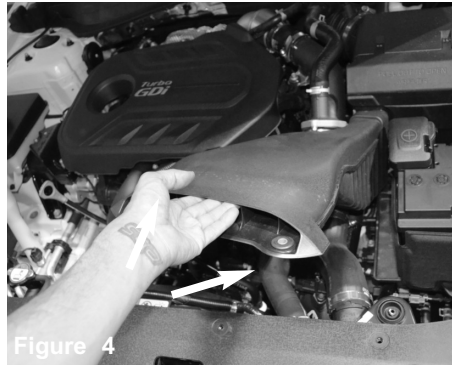


Figure 4
Use a 10mm socket/ratchet and remove the two M6 bolts attached to the factory air box inlet duct. Remove the air box inlet duct from the engine bay. This air duct will be re-used in this installation to draw in cool air to the Injen intake system.

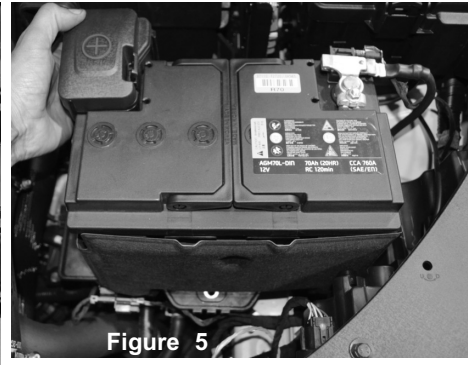


Figure 5
Loosen the battery bracket and pull battery forward. This will allow removal the the OEM air box.

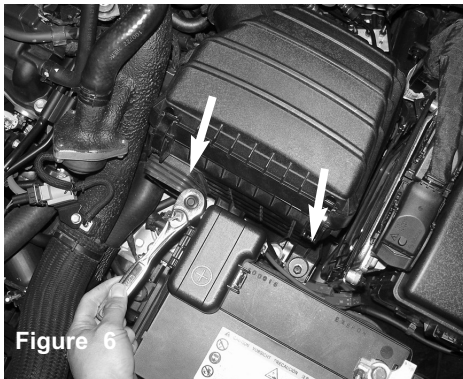


Figure 6
Use a 10mm socket/ratchet and remove the two M6 bolts in front of the air box assembly

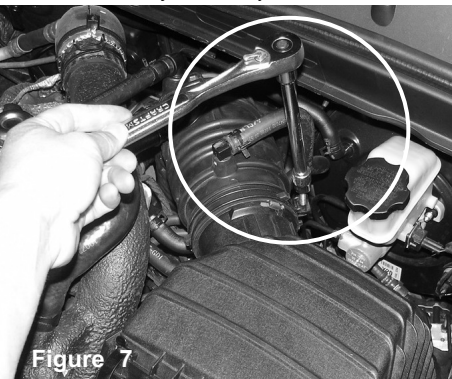


Figure 7
Loosen the clamp on the intake air duct connected to the air box assembly. Detach the intake air duct from the air box assembly



Figure 8
You may now pull the entire air box assembly out of the engine bay by lifting up and out.

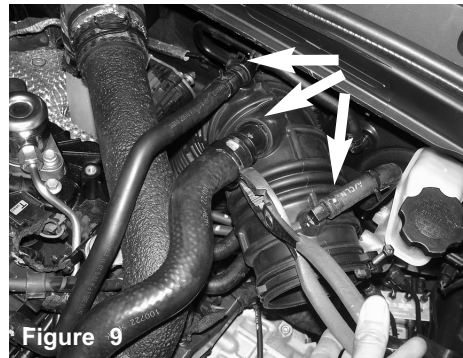


Figure 9
Use a plier and loosen and pull back on the three pressure clamps. The crank case breather line, blow off valve return line and brake booster line will be detached from the intake air duct.



Figure 10
From the top side of the intake air duct, loosen the clamp with a 10mm socket/ratchet attached to the turbo inlet. Detach the intake air duct from the turbocharger and you may now remove the intake air duct from the engine bay.



Figure 11
Remove the rubber coupler from the turbo.

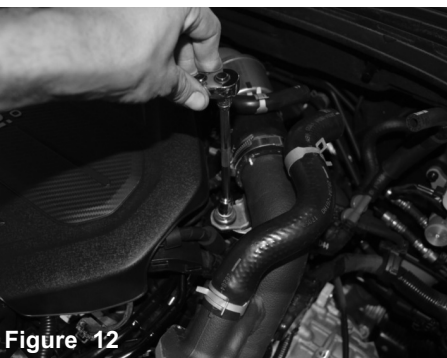


Figure 12
Loosen the bolt holding in the upper intercooler pipe to engine.

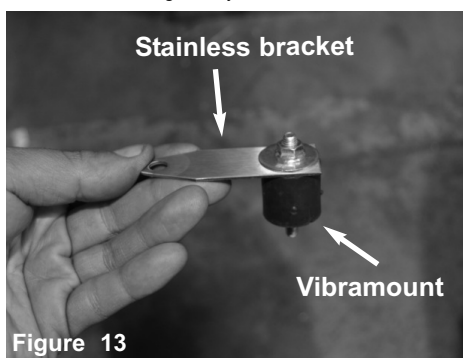


Figure 13
With provided stainless bracket, attach the provided vibramount and fender washer with nut. Secure and tighten like above image.

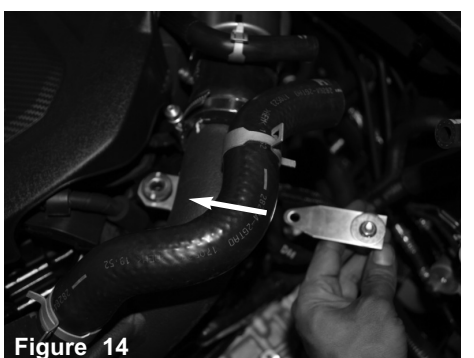


Figure 14
Lift the factory upper intercooler pipe up and slide the stainless bracket underneath the upper intercooler pipe bracket. Re-install the bolt from step 12.

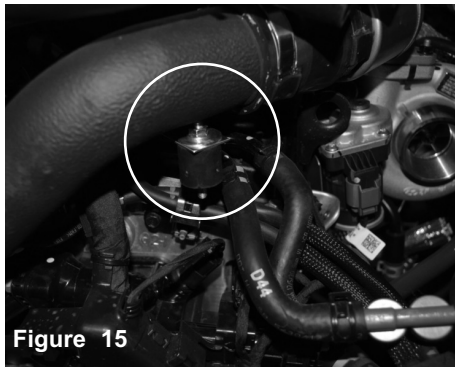


Figure 15

Secure the bracket and position like above image. Do not tighten.



Figure 16

Install the provided 3/8" aluminum spacer and M6 bolt to the hole on the air diverter bracket.

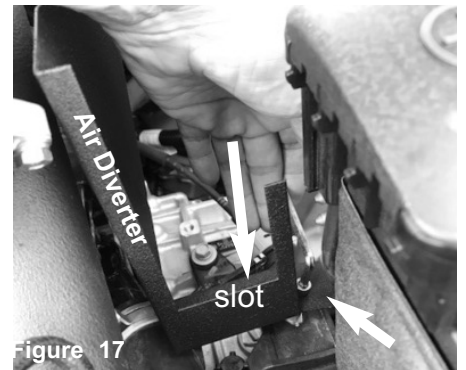


Figure 17

Photo showing air diverter attached behind battery. Arrow indicate where the slot where the factory air box inlet duct will be re-installed. Make sure Spacer is installed for clearance.



Install the inlet duct placed into the slot of the air diverter. Make sure you line up the first groove with the slot on the air diverter. Secure the inlet duct.



Figure 19

Install the 2.50"-3.25" step hose with 1-#48 and 1-#40 clamp onto the inlet of the turbocharger compressor inlet. The 2.50" end goes onto the turbocharger inlet



Figure 20

Use a 8mm nut driver and only tighten the #40 clamp on the 2.50" side of the step hose attaching the step hose to the turbo inlet

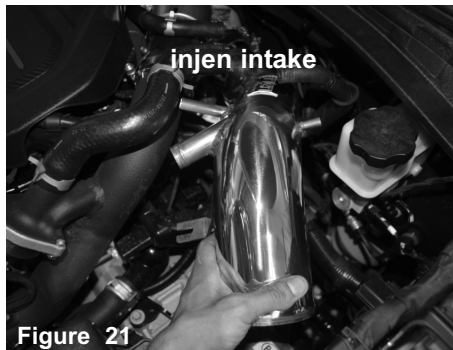


Figure 21

Install the intake tube into the vehicle. Position the tube to step hose and bracket to the vibramount from steps 12-15.



Figure 22

Position the bracket for best fit. Secure using provided fender washer and nut. Do not tighten.

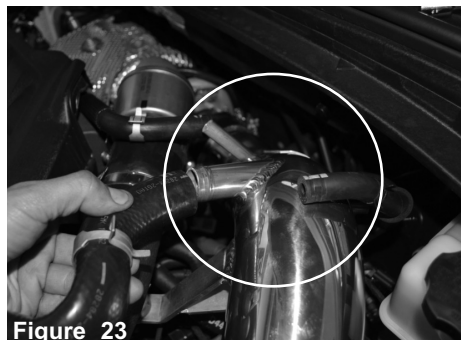


Figure 23

Secure the BOV line, crank case and vacuum line to the intake tube.

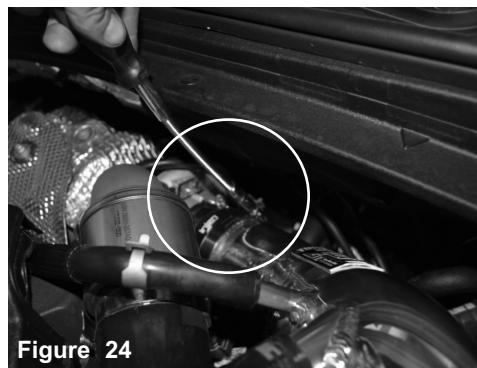


Figure 24

Position the Injen intake pipe into the engine bay. Adjust for best fit and tighten clamp on turbo using 8mm nut driver.



Figure 25

Now with intake adjusted properly. Tighten bracket using 10mm socket or wrench. Also secure and tighten bracket from step 15.

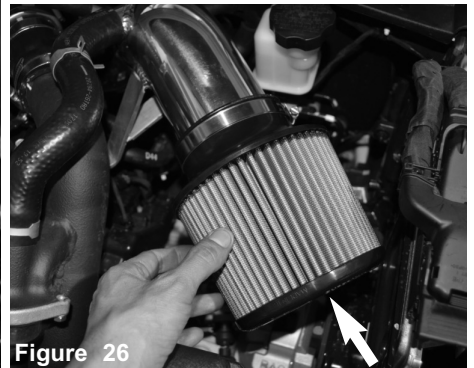


Figure 26

Install the air filter to the intake tube. Secure using 8mm nut driver.



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 (can be bought on-line at "injenonline.com"). 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.