



Part number SP1333
2011-15 Hyundai Sonata
2011-15 Kia Optima
2.4L 4cyl.

- | | |
|--------------------------------|-----------|
| 1- Short Ram intake pipe | |
| 1- 3.00" Nano Fiber dry filter | (#1014BB) |
| 1- 3.00" Straight hose | (#3044) |
| 2- #48 Clamps | (#4004) |
| 1- M6 flange nut | (#6002) |
| 1- Fender washer | (#6010) |
| 1- M6 Vibra mount | (#6020) |
| 1- 6"-10mm vacuum hose | (#3077) |
| 1- 3/8" vinyl cap | (#8005) |
| 1- 4- page instruction | |



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

Please check the contents of this box immediately.

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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: The installation of this cold air intake does require mechanical skills. **Removal of the front bumper requires loosening and removing several plastic plugs and screws that may be difficult.** It is recommended that this system be installed by a professional mechanic. Be sure to disconnect the negative terminal before proceeding.

Congratulations! You have just purchased the worlds first tuned intake system.

MR Technology, Leading the way!

"The Worlds First Tuned Air Intake System"™



Figure 1



Figure 2



Figure 3
Stock OEM intake system.



Figure 4
Lift up firmly on the engine cover and remove the engine cover from the engine bay.

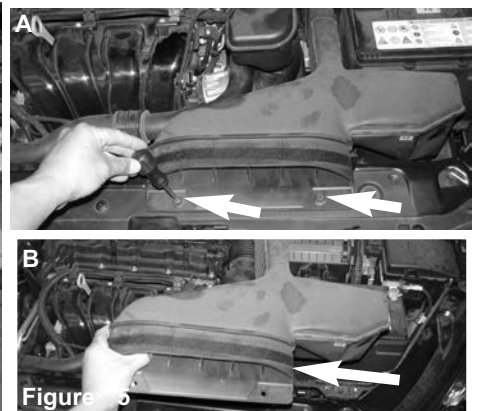


Figure 5
Figure A: Use a phillips screw driver and remove the two plastic retaining screws on the front vent duct.
Figure B: This air duct will be removed.

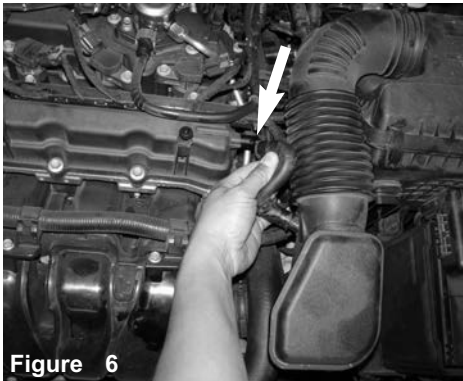


Figure 6
Use a plier to release the pressure clamp on the crank case vent tube on the OEM air duct. Disconnect the crank case vent tube from the valve cover.

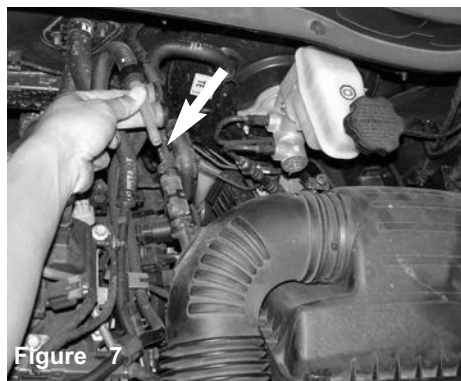


Figure 7
Use a plier to release the pressure clamp on the brake booster vent tube and then disconnect the booster vent tube from the air duct. **NOTE:** Manual models will not have this vacuum line.

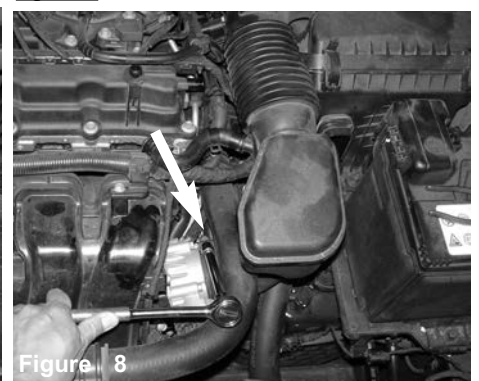


Figure 8
Use a 10mm socket and ratchet and loosen the clamp on the air duct on the throttle body.



Figure 9
Pull the air duct from the throttle body

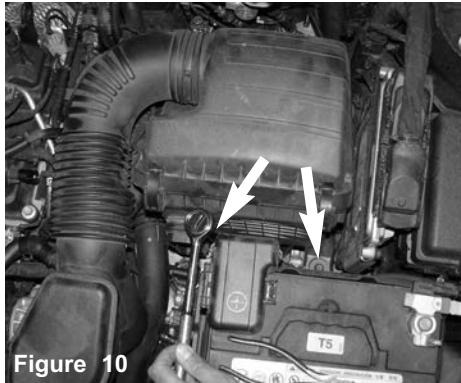


Figure 10
Use a 10mm socket and 3/8" ratchet and extension and loosen the two 10mm bolts attached to the front of the OEM air box assembly



Figure 11
Firmly lift up on the OEM air box assembly and remove the entire air box assembly from the engine bay.

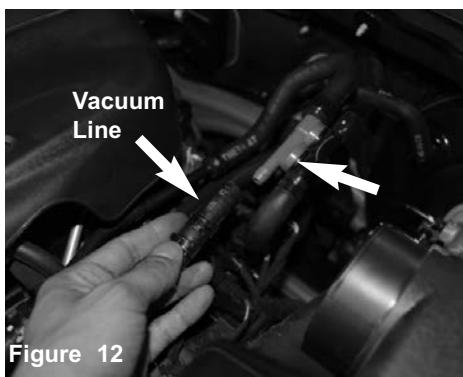


Figure 12
Remove the vacuum line from the brake booster vent fitting.

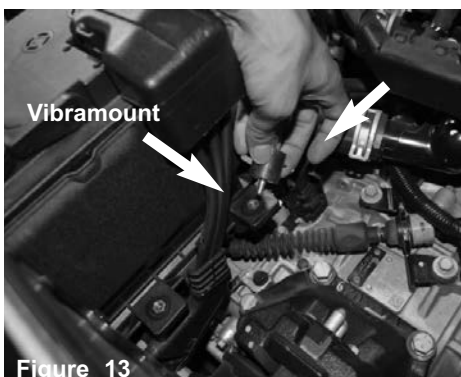


Figure 13
Now install the provided M6 vibramount behind battery in the airbox location insert.



Figure 14
Now secure the vibramount and tighten.

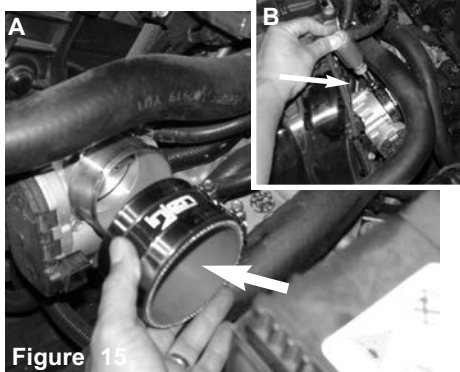


Figure 15

Place the 3.0" straight hose and two #48 clamps onto the throttle body. **Figure B:** Use a 8mm nut driver and secure only the clamp on the throttlebody side only for now.

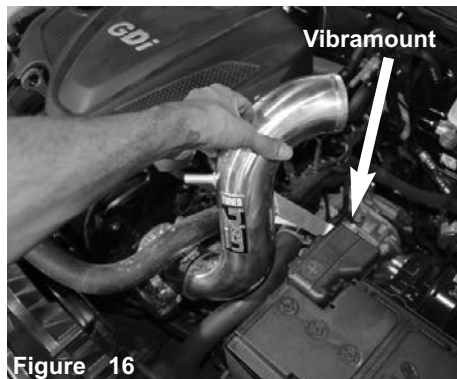


Figure 16

Figure A: Install the intake tube into vehicle and position to the straight hose and bracket to the vibramount.

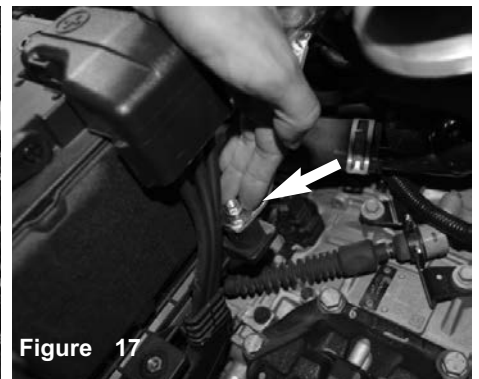


Figure 17

Now secure the bracket using provided M6 nut and fender washer.

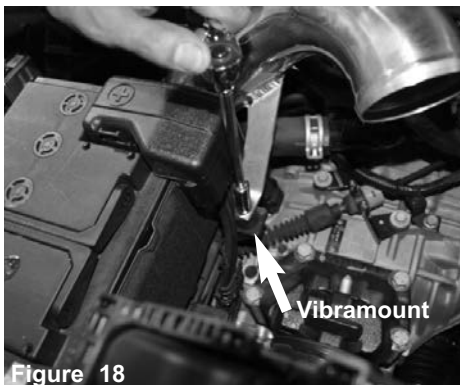


Figure 18

Position for the best fit and secure using 10mm socket or wrench.



Secure and tighten clamp on throttle body using 8mm nut driver.

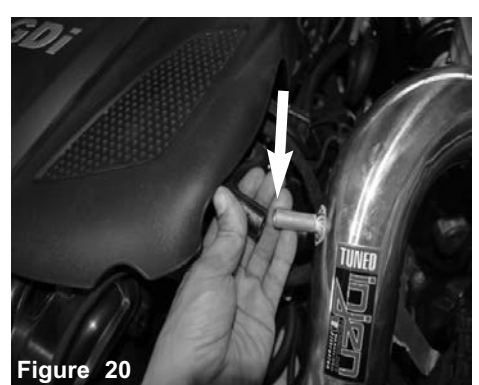


Figure 20

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

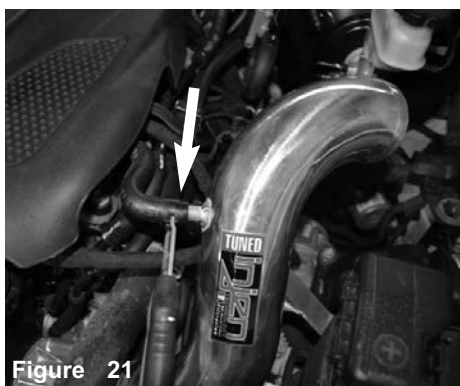


Figure 21

Secure hose on the fitting.



Figure 22

Automatics only: Place the 6"-10mm vacuum line to the 3/8" welded nipple on the intake pipe and the brake booster vent tube. **Manual transmission:** Place the supplied 3/8 Vacuum cap onto the 3/8 nipple



Figure 23

Secure line to brake booster vent line.



Figure 24

Reinstall the engine cover. Your intake installation is now complete. Go over all your clamps and fittings to make sure they are snug. Check the clearance on the pipe and make sure it does not make contact with any components in the engine bay.



Figure 25

Congratulations! You have just completed the installation of the World's first tuned intake system. Periodically, check the system for fitment, this will enhance the life of your Injen SP system, failure to do so 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.