



Buy products from authorized and licensed manufacturers using any of our patented processes, beware of cheap knock-offs, look for our licensing logo.

MR Technology Step down process:

- 1- Calibration Method for Air Intake Tracts for Internal Combustion Engines. Patent# 7,359,795
- 2- Calibration Device for Air Intake Tracts for Internal Combustion Engines. Patented
- 3- Calibration Method and Device for Air Intake Tracts having Air Fusion Patented
- 4- Tuning Method and Device for intake tracts having built-in Air Filter Horns patent pending

*Injen is the first and only intake manufacturer that tunes and controls air/fuel ratios, short/long term fuel trim levels using the MR step down process, Air Fusion and built-in air intake horns.*

**Part number SP1320**  
**2009-13 Kia Forte 2.0L 4 cyl.**  
**Manual 5 speed ONLY**

- 1- One piece cold air intake equipped with the patented air horn
- 1- 3" Web nano-fiberdry (#1014) dry filter
- 1- 90° silicone elbow (#3060N)
- 2- Power-bands 40/.312 (#4003)
- 1- 17"- 10mm vac. hose (#3220)
- 1-m6 vibra-mount (#6020)
- 1- m6 flange nuts (#6002)
- 1- Fender washer (#6010)
- 1- air box cover plate (#11057)
- 1- 5 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.

Injen Technology 244 Pioneer Place Pomona, CA 91768 USA

**Please check the contents of this box immediately.**

**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"**

Patented

**This intake system is equipped with the first ever Air Intake Horns**

Patent pending



Figure 1



Figure 2



Figure 3  
Stock air box cleaner and air ducts shown in this picture. Before getting started with the installation, be sure to disconnect the negative battery terminal.



Figure 4  
Loosen and remove the four plastic clips from the front shroud cover.

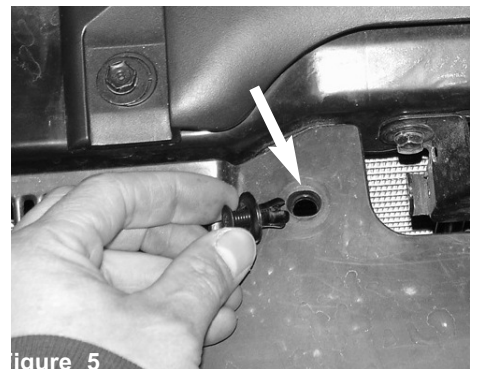


Figure 5  
Close up of plastic clip being removed



Figure 6  
Unscrew and removed the 8mm screw under the passanger and driver side wheel well.

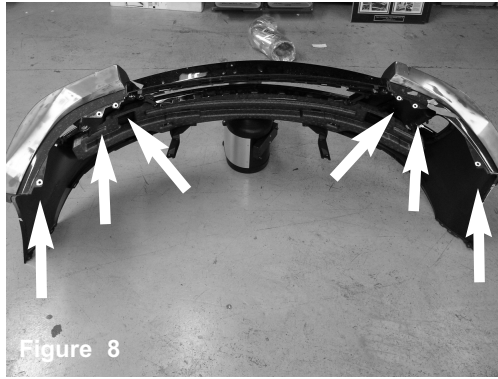


Figure 8  
Bumper shown removed from vehicle showing 6 additional clips that will need to be removed from the bottom.



Figure 7  
Once all plastic clips and screws have been removed continue to pull the front bumper off

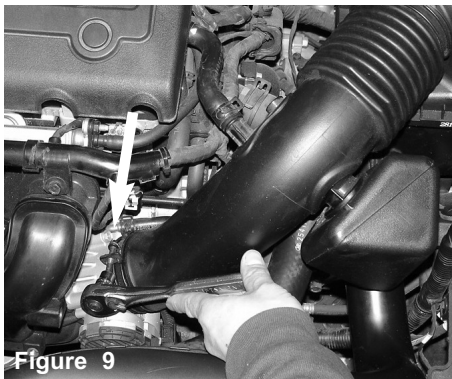


Figure 9  
Loosen the throttle body clamp as shown above.

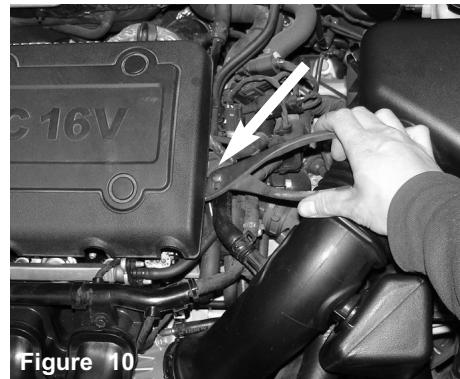


Figure 10  
Using a pair of needle nose pliers, compress clamp on the crank case port underneath the engine cover and pull the clamp back.

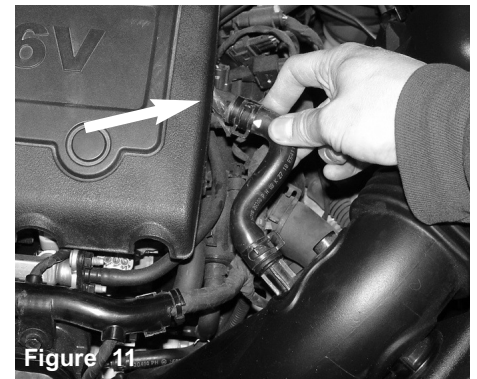


Figure 11  
The clamp on the crank case has been pulled back, now continue to pull the breather hose off the crank case port.

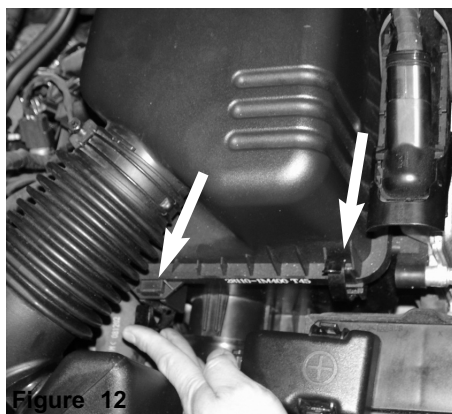


Figure 12  
On the lower part of the airbox, pull back on the two retaining clips holding the top of the air box to the lower portion of the airbox

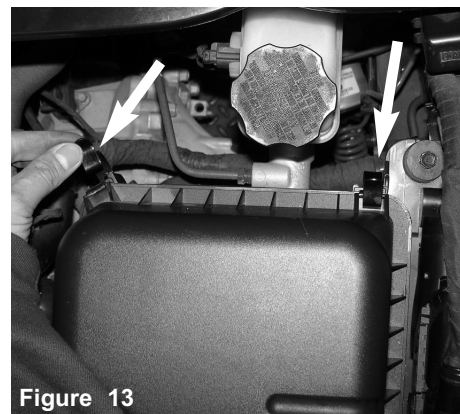
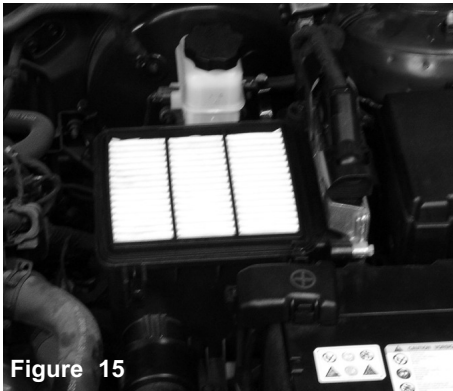


Figure 13  
Now on the upper part of the air box, pull back on the retaining clips.

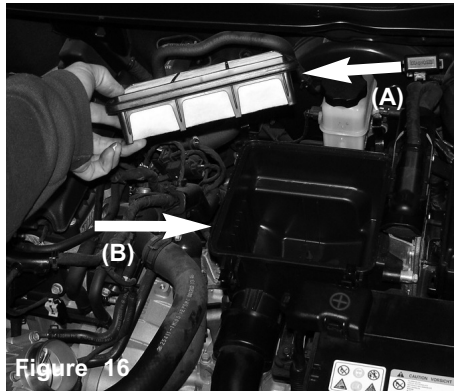


Figure 14  
With all four retaining clips loose, remove the entire upper portion of the air box and air duct.



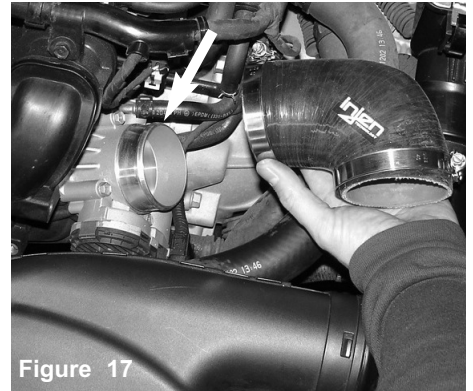
**Figure 15**

Once the upper portion of the air box is removed, you now have access to the air filter element.



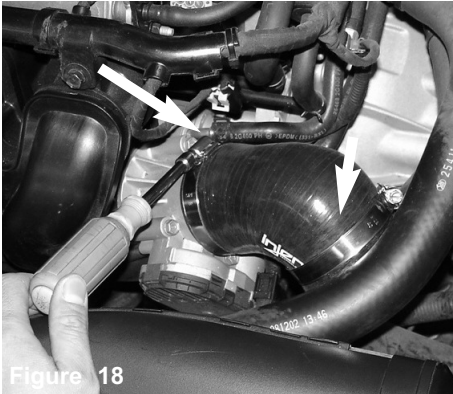
**Figure 16**

Remove the air filter element. (A) Lower portion of the air box will be retained to keep the ECU cool



**Figure 17**

Place the 2.75" 90deg. elbow with 2 clamps onto the throttlebody. Make sure you have the long end of the 90 deg. hose on the throttlebody side.



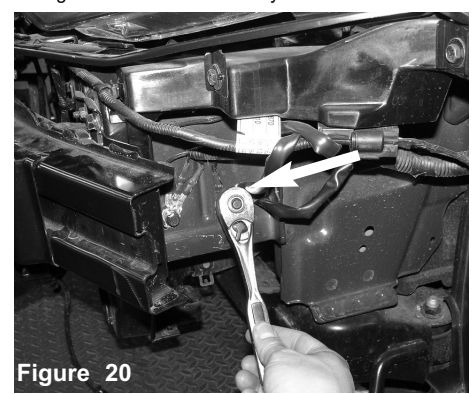
**Figure 18**

Now snug the clamp on the throttlebody side, make sure you leave it slightly loose to make some adjustments later



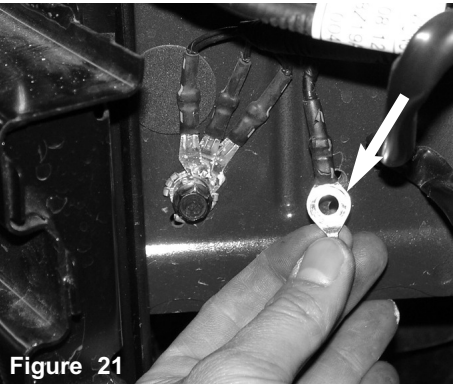
**Figure 19**

Locate a set of ground wires located under the driver side headlight, behind the bumper support.



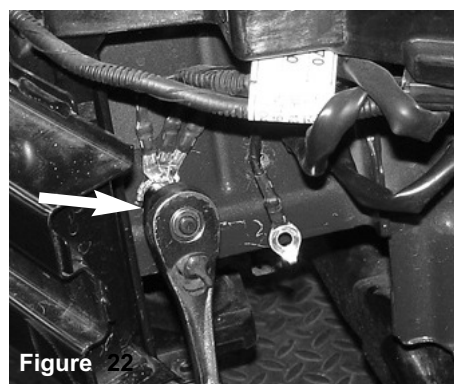
**Figure 20**

Loosen and remove the 10mm bolt on the right ground wire only. This wire will be relocated to the set of ground wires on the left.



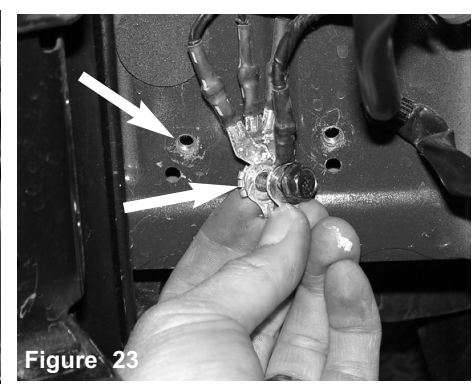
**Figure 21**

Ground wire that needs to be relocated shown above



**Figure 22**

Now loosen the 10mm bolt securing the left set of ground wires



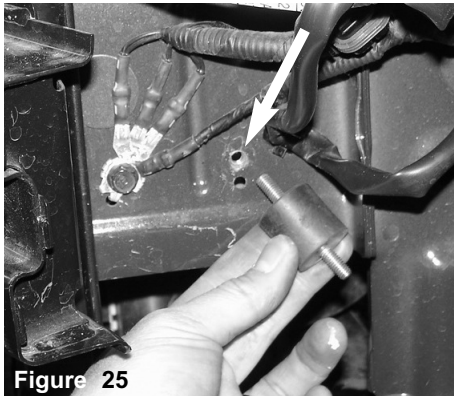
**Figure 23**

Place both set of ground wires together and mount them back to the left side



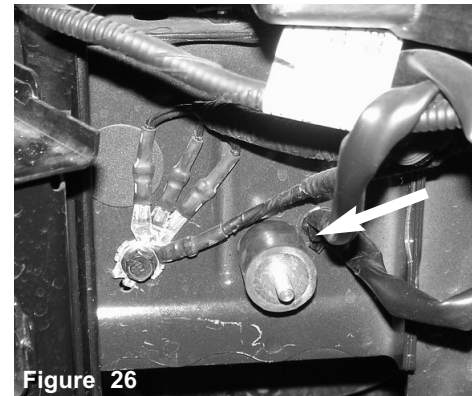
**Figure 24**

Now tighten the 10mm bolt to the frame



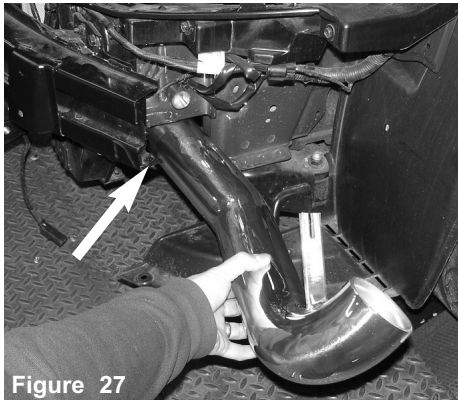
**Figure 25**

Place the vibramount onto the pre-threaded hole the right ground wire was once located.

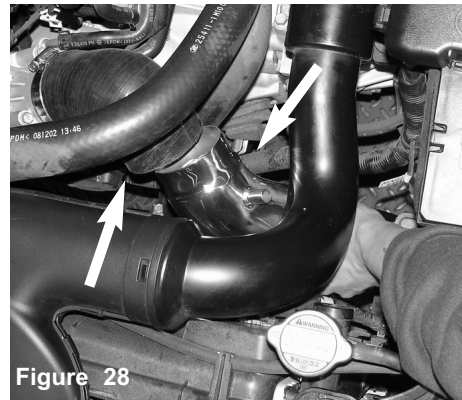


**Figure 26**

The vibramount mounted to the frame



**Figure 27**  
The intake pipe will be inserted from the bottom, behind the bumper support.



**Figure 28**  
Slide the intake pipe from the bottom and work the pipe into the 90 deg. hose already located on the throttlebody.



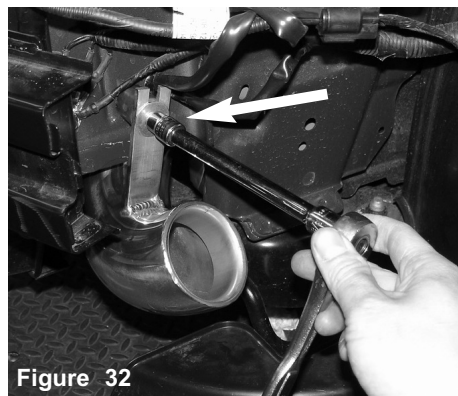
**Figure 29**  
With the pipe in place, make your final adjustments for the best fitment and then tighten both clamps on the 90 deg. elbow located on the throttlebody.



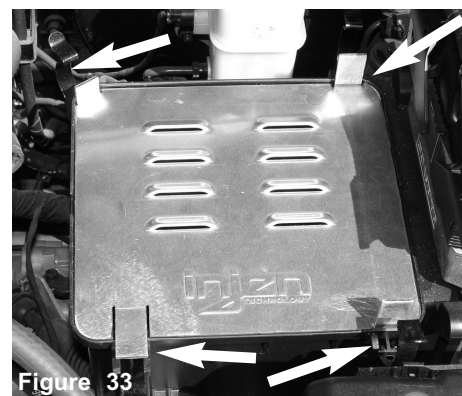
**Figure 30**  
With the intake pipe in place, make sure the lower intake bracket lays flush with the vibramount



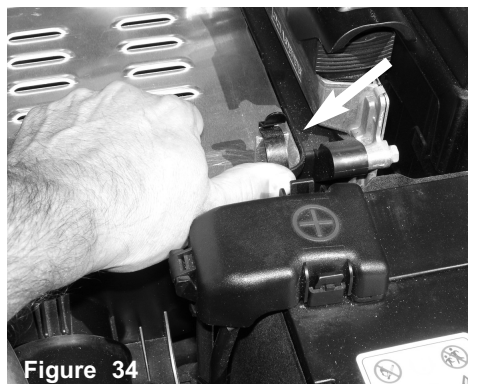
**Figure 31**  
Place the fender washer and the M6 flanged nut over the bracket.



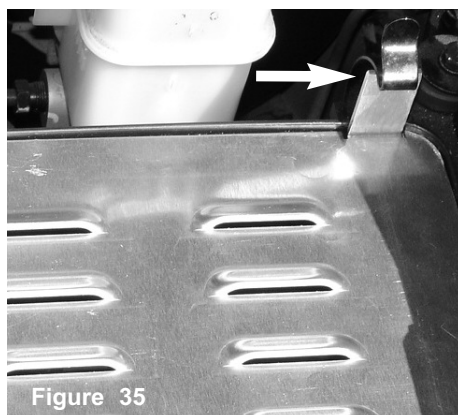
**Figure 32**  
Use a 10mm socket and ratchet and tighten the M6 nut to the bracket



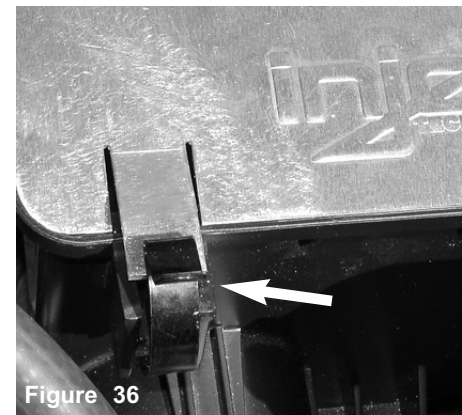
**Figure 33**  
Place the air box cover plate onto the lower portion of the air box. The four arrows indicate mounting points



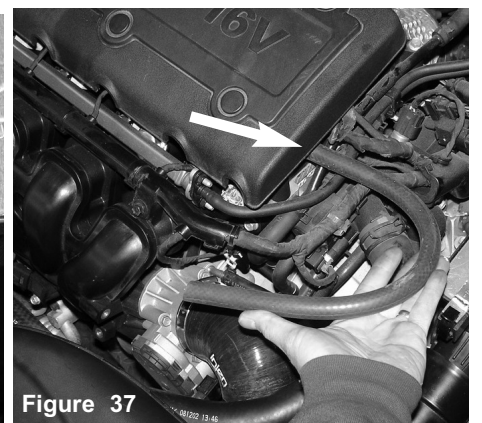
**Figure 34**  
Press the factory air box retaining clip over three air box cover tabs.



**Figure 35**  
Close up photo showing retaining clip on air box cover tab



**Figure 36**  
Place the retaining tab over the horizontal tab.



**Figure 37**  
Place the 17"-10mm vacuum hose over the breather port under the engine cover.

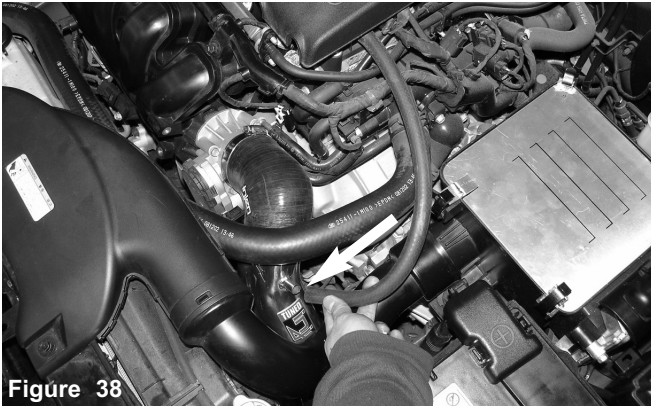


Figure 38

Now place the other end of the 10mm vacuum hose over the welded nipple on the intake pipe.

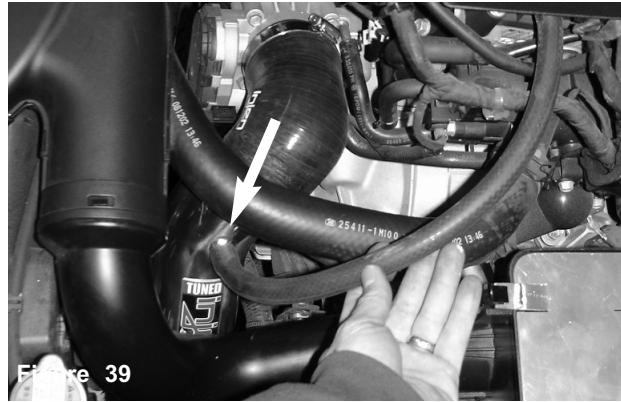


Figure 39

Close up of the nipple attached to the nipple

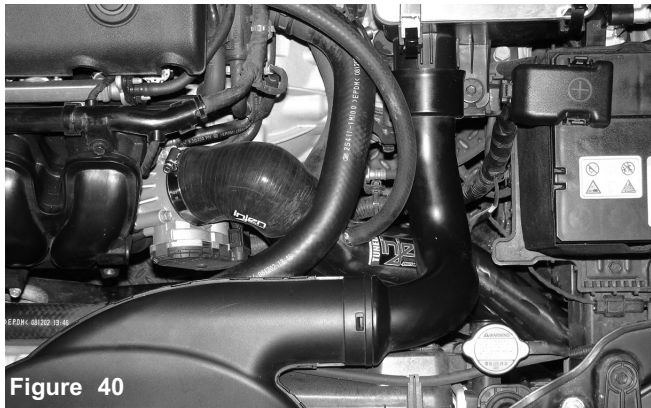


Figure 40

Vacuum line installed on pipe

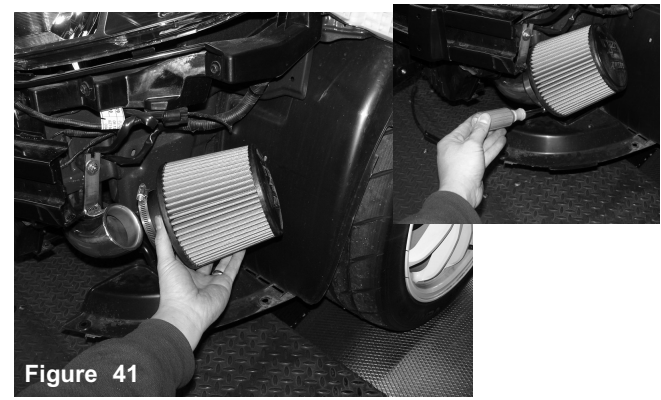


Figure 41

Place the filter on the end of the pipe and then tighten clamp on filter



Figure 42

Congratulations! You have just completed the installation of one of the best air intake systems made. Once the intake and heat shield has been properly adjusted, continue to tighten all nuts, bolts and clamps.



Figure 43

Periodically, check the fitment of both intake systems. Normal driving conditions may loosen nuts, bolts and clamps causing intakes to shift resulting in damage to automotive parts.

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.