



**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 SP5022  
2012-2013 Fiat 500  
1.4L 4cyl.**

- 1- 1 pc. Short Ram intake
- 1- 2.75" web/nano fiber dry filter (#1010)
- 1- 15.9mm hose @ 5.5"Length (#3080)
- 2- M6 vibra-mount (#6020)
- 2- M6 flange nuts (#6002)
- 2- M6 washers (#6010)
- 1- zip tie black (#8014)

**Note:** The C.A.R.B Exempt sticker must be attached under the hood in a manner such that it is easily viewed by an emissions inspector.

**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.**



**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 2



Figure 3  
Stock box shown in this picture



Figure 4  
Lift up the engine cover, and remove.

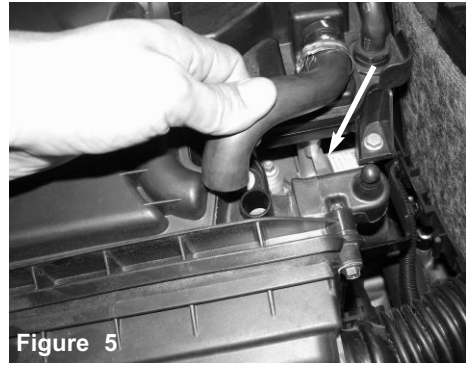


Figure 5  
Pull out the crank case line from the air box.



Figure 6  
With 8mm socket or nut driver, loosen the bolt holding in the 90 degree plastic snorkel.



Figure 7  
Loosen the 3 bolts holding in the air box using 8mm socket or nut driver.

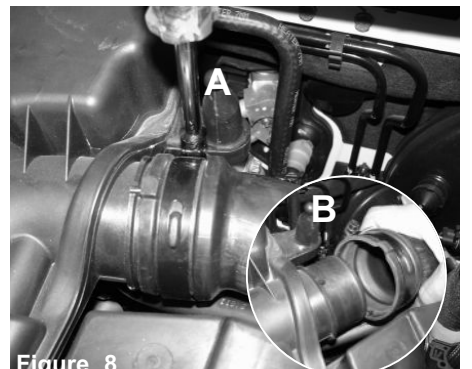


Figure 8  
A) Loosen the clamp on the air box only.  
B) Carefully pull back the stock intake tube.



Figure 9  
Pull out the complete air box assembly. Make sure the coolant line is apart from the back of the air box.

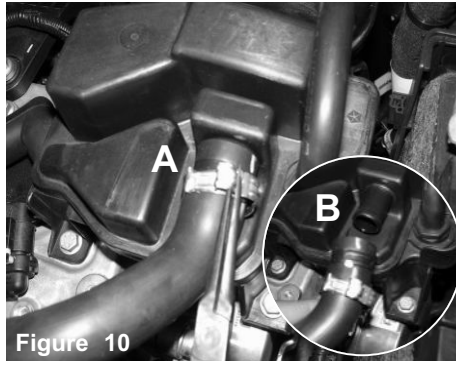


Figure 10  
A) With pliers carefully remove the safety clamp on the crank case line.  
B) Remove the crank case line.

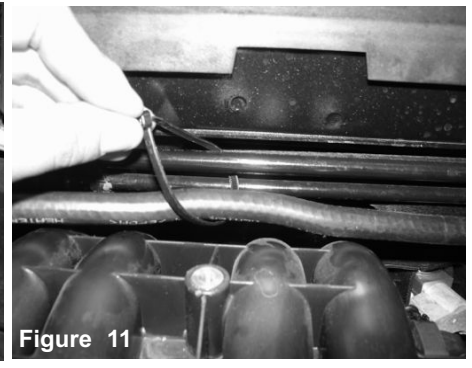


Figure 11  
With provided zip tie secure the coolant line to above hard line.

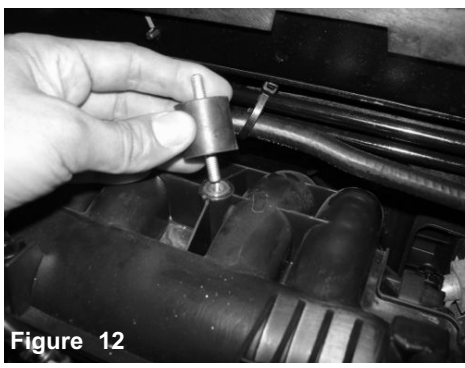


Figure 12  
Locate the threaded insert on the intake manifold.



Figure 13  
Install and tighten the M6 vibra mount to the threaded insert.

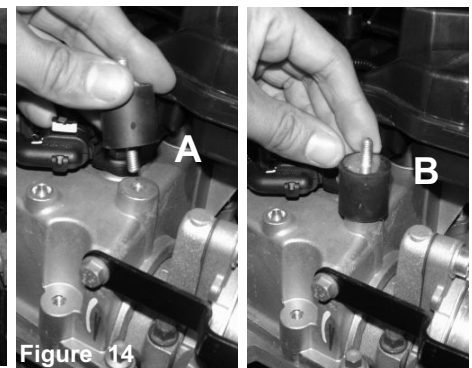
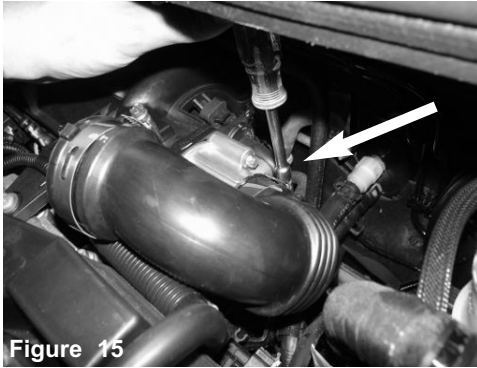


Figure 14  
A) Locate the threaded insert next to CCV box on top of valve cover.  
B) Secure and tighten M6 vibra mount.



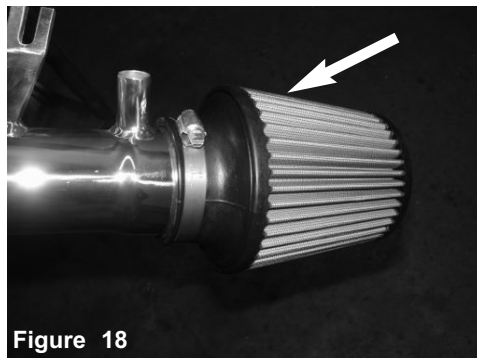
**Figure 15**  
Loosen the clamp on the throttle body using 8mm nut driver.



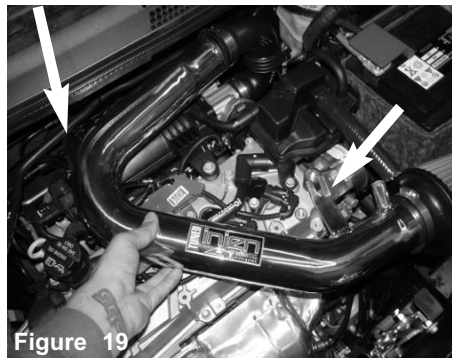
**Figure 16**  
Rotate the elbow hose closer to the firewall.



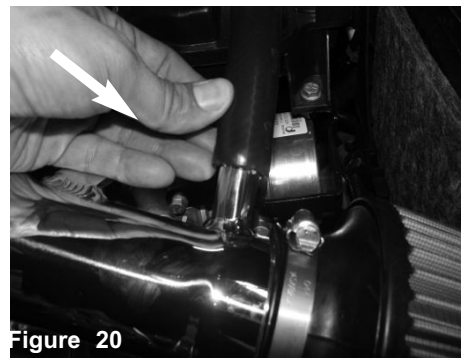
**Figure 17**  
Install the 15.9mm hose to the CCv box fitting.



**Figure 18**  
Install the filter to the intake tube and tighten using 8mm nut driver.



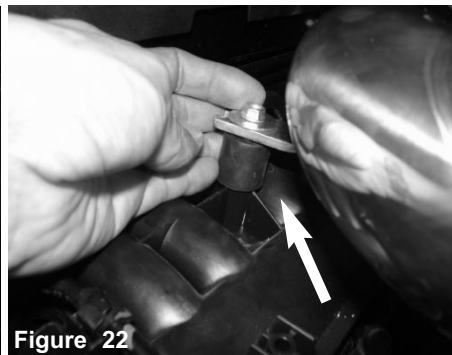
**Figure 19**  
Install the intake tube into the vehicle and position the brackets to the vibra mount and tube to the elbow hose from steps 15/16.



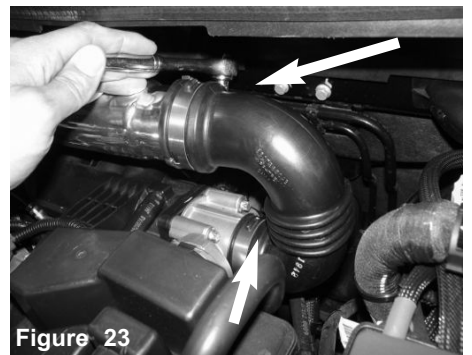
**Figure 20**  
Now secure the 15.9mm hose to the fitting on the intake tube.



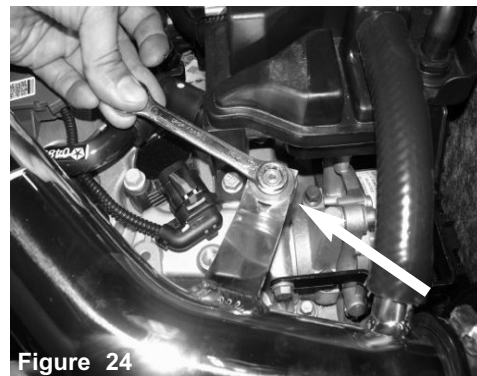
**Figure 21**  
Now secure the bracket using provided m6 nut and washer.



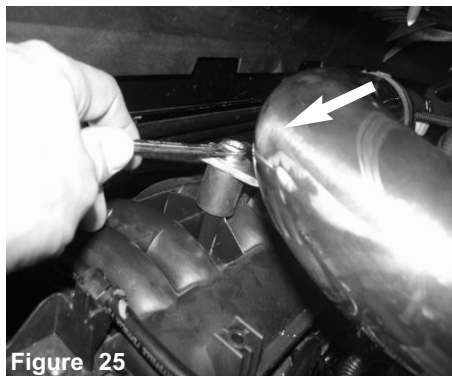
**Figure 22**  
Secure the back bracket using provided m6 nut and washer.



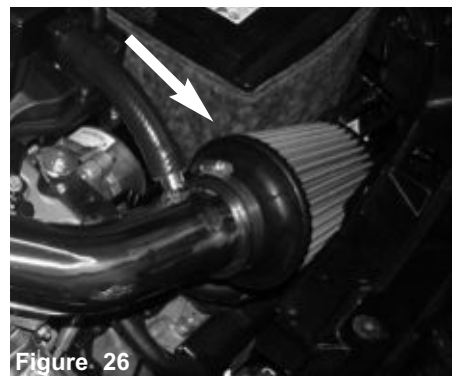
**Figure 23**  
Position for best fit and tighten clamps using 8mm socket and ratchet.



**Figure 24**  
Secure the bracket on upper intake tube assembly using 10mm wrench.



**Figure 25**  
Secure the bracket on upper intake tube assembly using 10mm wrench.



**Figure 26**  
Position for the best possible fit and clearance. Tighten all clamps using 8mm nut driver. check filter clearance and make sure intake system fits nicely.



**Figure 27**

Re-position if necessary and tighten if needed. Make sure there is enough clearance.



**Figure 28**

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. **Note: Check clearance and adjust if needed!** **Failure to check the alignment and adjust the intake can cause damage that will void the warranty. Injen Technology is not responsible for any damages caused by/from improper installation.**

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.
- 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.