



*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. Published and patent pending
- 3- Calibration Method and Device for Air Intake Tracts having Air Fusion Published and patent pending
- 4- Tuning Method and Device for intake tracts having built-in patent pending Air Filter Horns

*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 PF1957**  
**2005-17 Nissan Frontier**  
**2005-12 Nissan Pathfinder**  
**2005-15 Nissan Xterra**  
**V6 4.0L**

- 1- MR Tech Power-flow Intake system
- 1- 4.0" Filter (#1026)
- 1- 3 1/8" straight hose (#3054)
- 1- 1 1/8" Straight coupler (#3112)
- 2- medium clamps (.362) .048 (#4004)
- 2- small clamps .016 (#4017)
- 1- 6mm flange nut (#6002)
- 1- Fender washer (#6010)
- 1- 6mm Vibra- mount (#6020)
- 1- CCV breather box (#6060)
- 1- Instruction (5 Pages)

**Tools required:**

- 1- 8mm nut driver**
- 1- Phillips screw driver**
- 1- 10mm socket**
- 1- Pliers**
- 1- ratchet**
- 1- ratchet extension**
- 1- set of allen wrenches**

**Congratulations! You have just purchased the best engineered, dyno-proven Power-Flow 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: The installation of this Injen air intake does require mechanical skills. This may require removal of the front bumper which 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.**

**M.R. Technology, Leading the way Patent# 7,359,795**



Figure 1

Figure 2



Figure 3

Picture of factory air intake system



Figure 4

Use a 10mm socket with a 3/8 ratchet and remove the two 10mm bolts on the engine cover.



Figure 5

Lift up and pull towards you to remove the engine cover. This cover is removed to access the two 10mm bolts to the air duct resonator box/

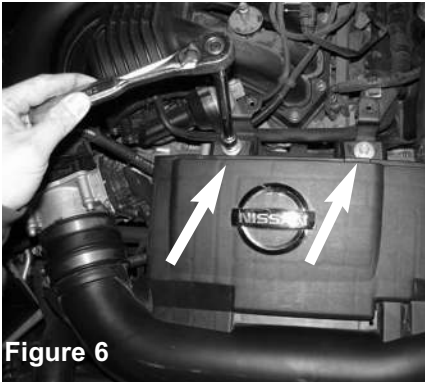


Figure 6

Loosen and remove the two 10mm bolt located on the air duct resonator box.

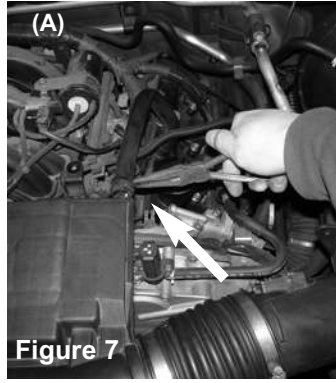


Figure 7

(Figure A) Loosen tension clamp with a plier. (Figure B) Then remove vacuum breather line from air duct resonator box.

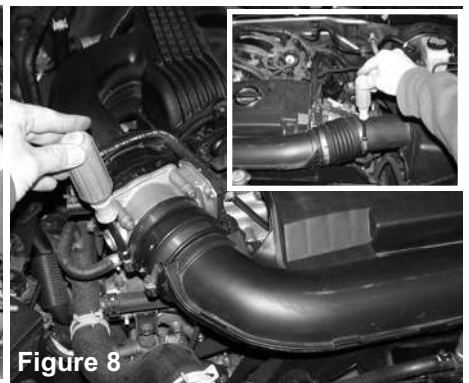


Figure 8

Use a 8mm nut driver to loosen clamp on throttle-body side air duct and air box side



Figure 9

With both clamps loosened, remove entire air duct with the air resonator box attached.

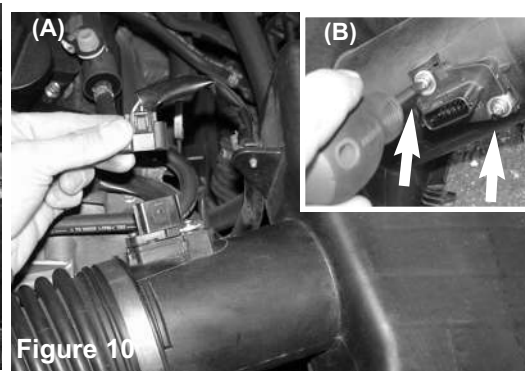


Figure 10

(Figure A) Unclip air mass sensor harness (Figure B) Then use a phillips screw driver to remove the two screws holding the MAF sensor to the housing. These screws will be re-used.

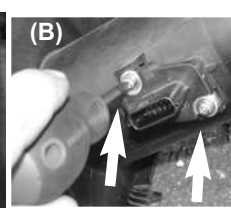


Figure 11

Now remove the MAF sensor out of the factory air box sensor housing. This MAF sensor will be reused later.



Figure 12

Unclip two retaining tabs holding the upper part of the air box to the lower part of the air box

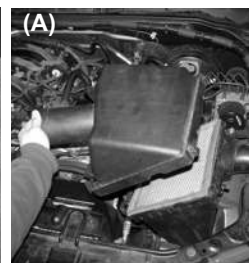


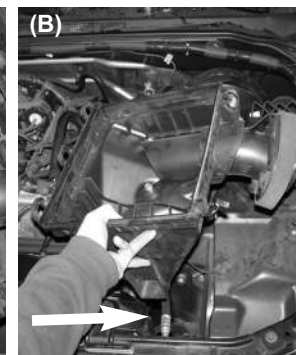
Figure 13

(Figure A) Remove upper part of air box (Figure B) Remove panel filter to get to 10mm bolt located inside of air box



Figure 14

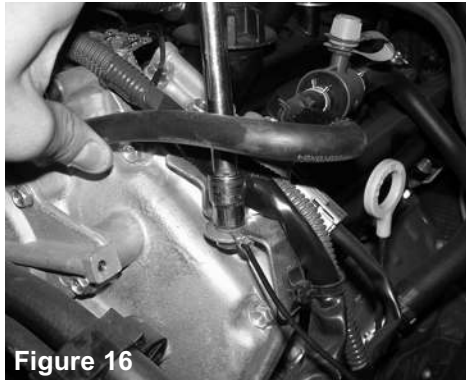
(Figure A) Remove 10mm bolt located on the right upper portion of the air box. (Figure B) Lift air box up and off the lower grommet located at the bottom of the air box. Stock air box component removal is now complete.





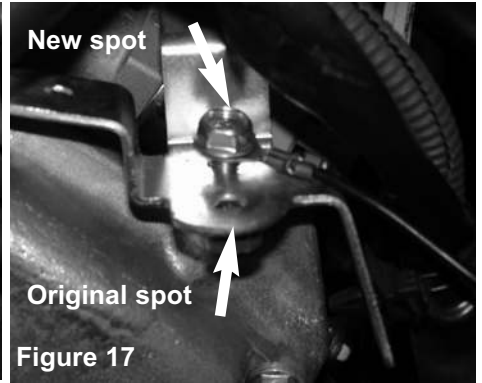
**Figure 15**

Place the 3 1/8 straight hose over the throttlebody and place two medium (362) clamps over the hose. Tighten only the clamp on the throttlebody side for now



**Figure 16**

Loosen the 10mm bolt hold ing the ground wire from bracket on the drivers side timing chain cover located in front of the dip stick. This wire will be relocated in the threaded hole behind it.



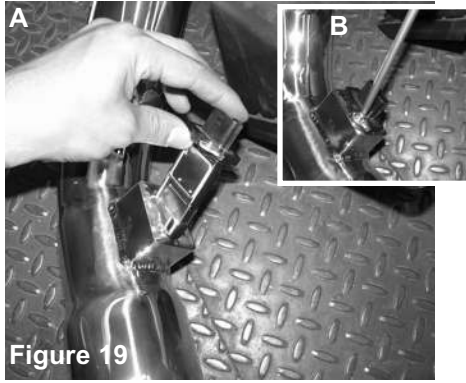
**Figure 17**

Ground wire shown relocated to new location.



**Figure 18**

Place the vibramount into the threaded hole where the ground wire once was in figure 16. Note: Ground wire relocated behind the vibramount from figure 17



**Figure 19**

**Figure A** Place the MAF sensor removed from figure 10 into the welded billet MAF sensor pad, **Figure B** Re-use the factory screws and secure the MAF sensor to the billet MAF sensor pad.



**Figure 20**

Place the 1 1/8" coupler with 2 #16 clamps onto the big nipple of the CCV box. Now connect the factory crank case breather line to the open nipple on the other end of the CCV box.



**Figure 21**

Position the intake tube into the engine bay. Place the small end of the pipe into the throttle body.



**Figure 22**

Attach the 1 1/8" coupler on the CCV box from figure 20 onto the 1 1/8" nipple on the intake pipe.



**Figure 23**

Position the intake pipe bracket onto the vibramount from figure 18. Place a fender washer and M6 nut onto the vibramount. Leave loose for now.



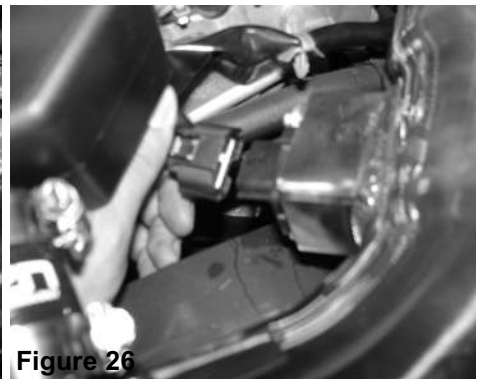
**Figure 24**

Position the intake for best possible fitment and then tighten the clamps on the throttle body



**Figure 25**

Position the CCV box for best fitmernt and then tighten the two clamp and secure the CCV box



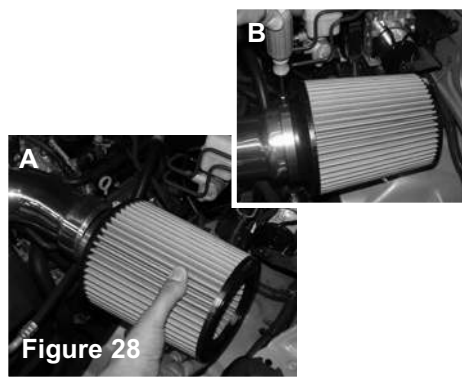
**Figure 26**

Reconnect the MAF sensor harness to the MAF sensor.



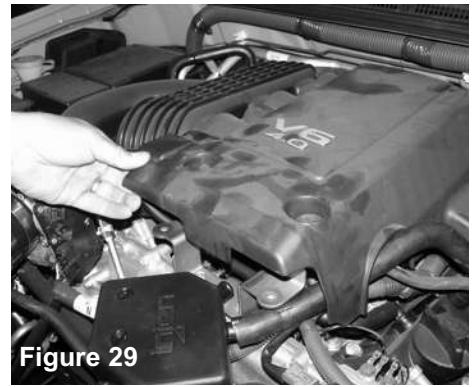
**Figure 27**

Use a 10mm socket and ratchet to tighten the M6 nut on the intake bracket to secure it to the vibra mount.



**Figure 28**

**Figure A** Place the 4.0" filter onto the end of the intake pipe. **Figure B** Use a 8mm nut driver to tighten the clamp to secure the filter onto the pipe.



**Figure 29**

Reinstall the engine cover.



**Figure 30**

Check the alignment and fitment of the entire Power-Flow intake . Once you have check for possible air leaks, rubbing or rattling, continue to tighten all nuts, bolts and clamps.



**Figure 31**

Congratulations! You have just completed the installation of the World's first tuned intake system, the Power-Flow intake, featuring MR Technology. Periodically, check the system for fitment, this will enhance the life of your Power-Flow system.

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.