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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

**Part number SP1947
2009-12 Nissan Maxima 3.5L V6**

- 1- Short ram intake w/heat shield equipped with the patented Air Fusion
- 1- 3 1/2" Web nano-fiber (#1015) performance dry filter
- 1- 3 1/4" x 3 1/2" step-hose (#3124)
- 2- Power-bands 056/.412 (#4005)
- 2- 2"- 15mm vacuum hose (#3079)
- 1- m6 Vibra-mount (#6020)
- 1- m6 flange nuts (#6002)
- 1- Fender washers (#6010)
- 1- HS3500 heat shield (#11024)
- 3- composite HS clamps (#4010)
- 3- 5/16"-18 x 1/2" hex bolt (#6019)
- 1 zip tie (#8014)
- 1- 5 page instruction

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.

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" Patent pending

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

"At Injen Technology, we didn't copy the step down process, we invented it!"



Figure 1



Figure 2



Figure 3

Stock air intake cleaner and air ducts shown in this picture. Before getting started with the installation, disconnect the negative battery terminal.



Figure 4

Press on the top plastic tab on the harness clip and detach from the mass air flow sensor.



Figure 5

Loosen the clamp located over the throttle body.

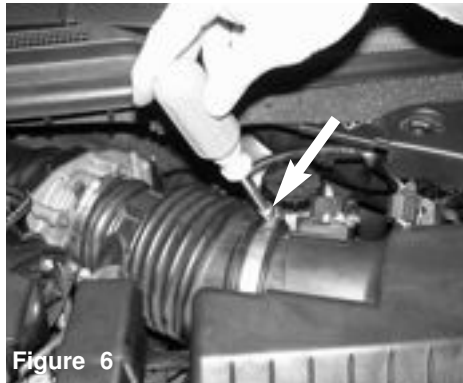


Figure 6

Loosen the clamp over the air box cleaner as shown above.

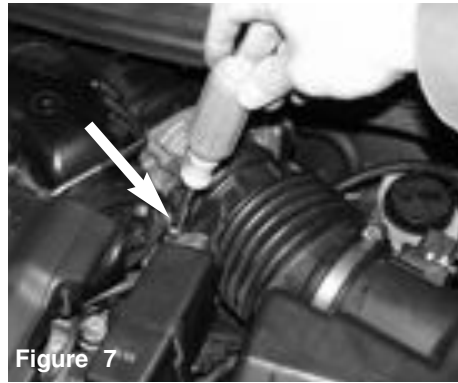


Figure 7

The small clamp on the CCV box is now loosened as shown above.

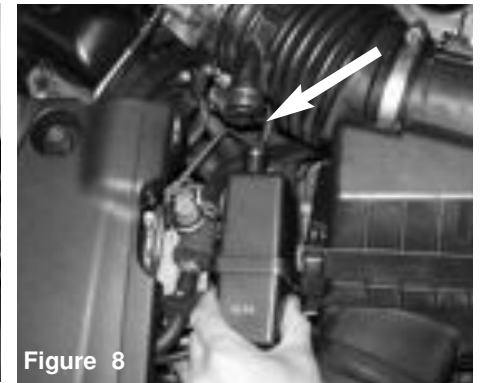


Figure 8

Once you have loosened the small clamp, continue to pull the CCV box from the air intake duct.

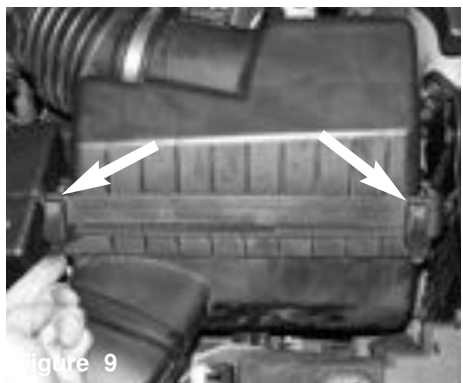


Figure 9

Unlatch the two metal clips shown above.

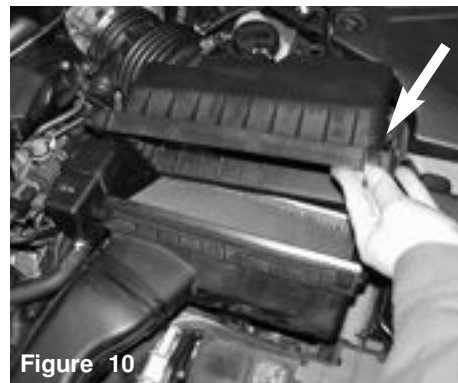


Figure 10

Once you have unlatched the clips, continue to separate the upper and lower air box. The upper air box is now removed from the engine compartment.



Figure 11

The upper air box is now separated from the lower air box cleaner.



Figure 12

Now, the air intake duct is pulled away from the throttle body.



Figure 13

Then m6 bolt holding the air box to the fender well brace is loosened.

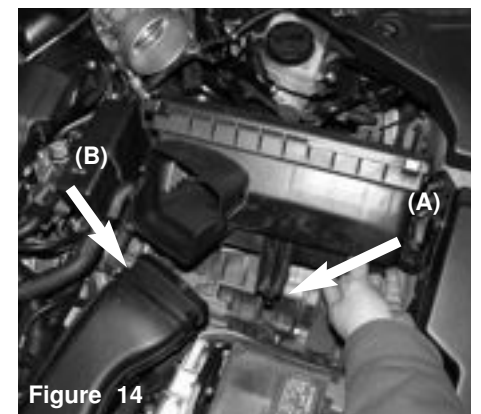


Figure 14

Once the bolt is removed continue to dislodge the air box from the grommet (A) Dislodge the front air scoop from the air box (B)

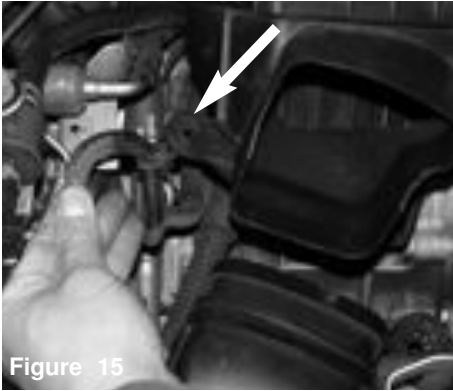


Figure 15

The vacuum hose plastic clip is removed from the side of the air box

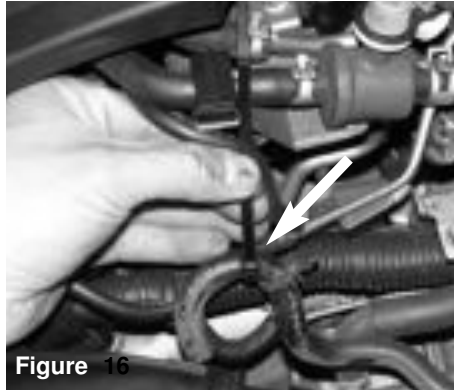


Figure 16

Once you have unclipped the vacuum hose from the air box, zip tie the hose to the hard line.



Figure 17

The lower air box is now ready to be pulled from the engine compartment.

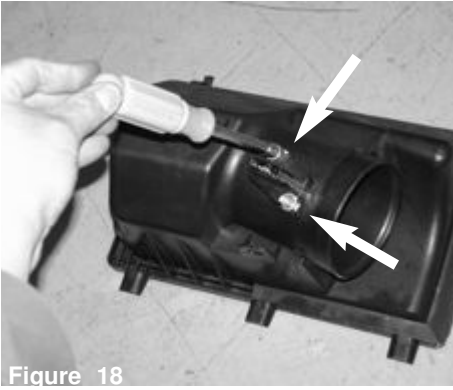


Figure 18

Loosen and remove the two mass air flow sensor screws from the mass air sensor



Figure 19

Once you have removed the screws continue to pull the mass air flow sensor from the sensor housing.



Figure 20

Insert the mass air flow sensor into the air intake adapter as shown above.



Figure 21

The two screws are aligned to the mass air flow sensor and tightened.



Figure 22

The m6 bolt is loosened and removed from the motor brace.



Figure 23

Once you have loosened the m6 bolt from the brace continue to pull the m6 bolt out.

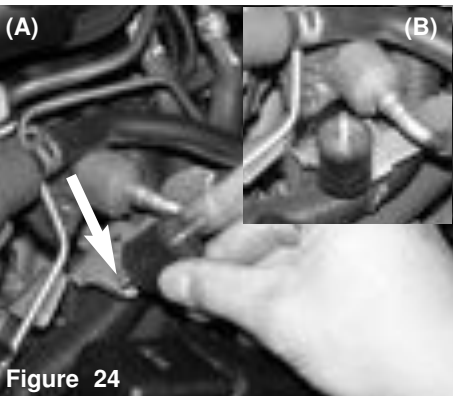


Figure 24

The vibra-mount is aligned to the brace(A) screw the vibra-mount on until it sits flush over the brace (B)

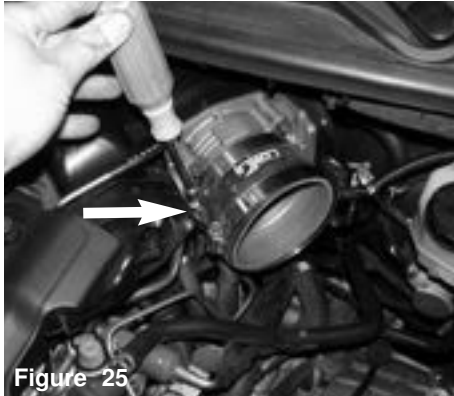


Figure 25

The step hose is pressed over the throttle body and the clamp over throttle body is now tightened.



Figure 26

The clamp located over the filter is loosened and removed.

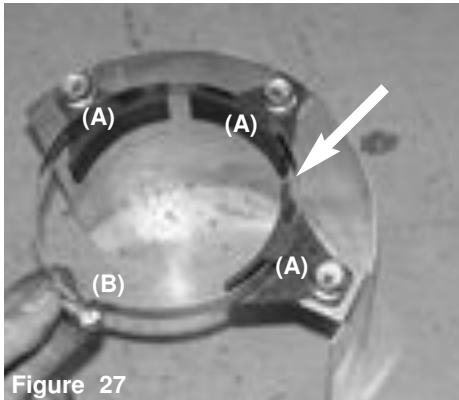


Figure 27

The 5/16 bolts are used to install the composite brackets (A) the filter clamp is now placed over the three clamps as shown above (B).



Figure 28

The assembled heat shield is lowered over the filter. The composite brackets are adjusted around the filter neck.



Figure 29

The composite brackets and clamps are adjusted around the filter clamp. The clamp is semi-tightened around the filter neck.



Figure 30

the assembled intake is lowered into the assembled heat shield and filter..



Figure 31

The intake is pressed into the filter until it comes to rest against the filter stops inside of the filter neck.



Figure 32

The assembled intake is lowered into the engine compartment and the intake is pressed into the throttle body hose.

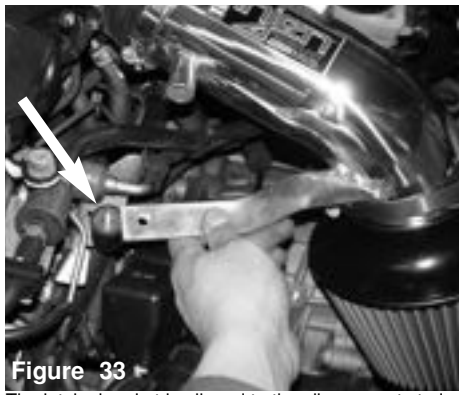


Figure 33

The intake bracket is aligned to the vibra-mount stud.



Figure 34

The intake bracket is sitting flush over the vibra-mount stud..

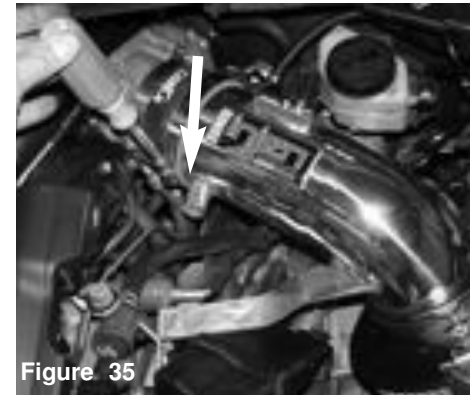


Figure 35

Once you have adjusted the entire intake, continue to fasten the hose clamp on the throttle body

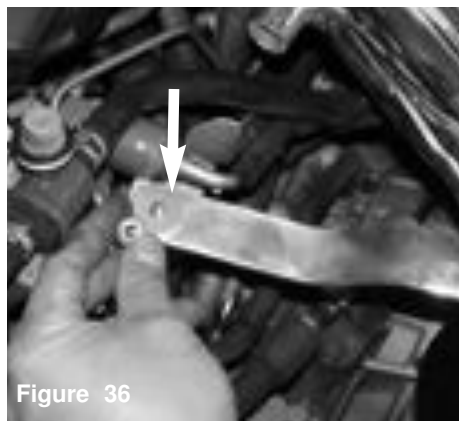


Figure 36

The washer and flange nut is aligned to the vibra-mount.

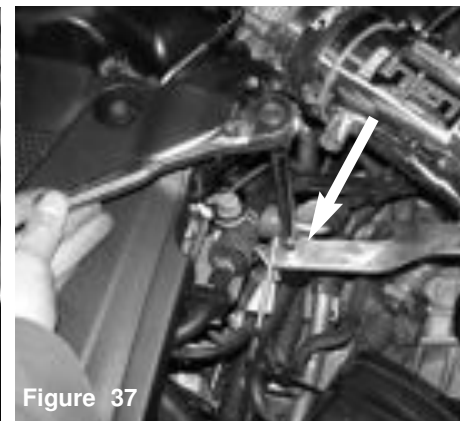


Figure 37

The m6 nut is tightened with a socket ratchet.

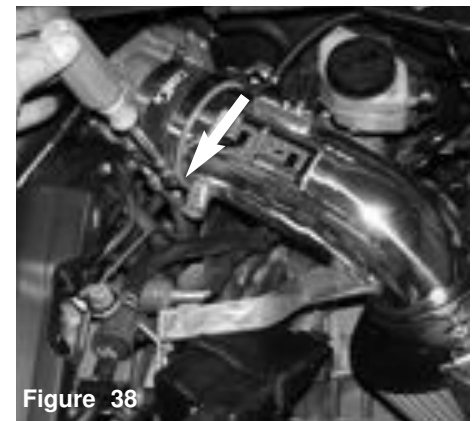


Figure 38

The aligned intake and heat shield is aligned and the hose clamp is now tightened.

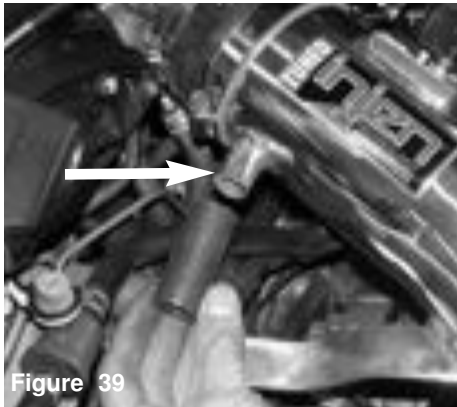


Figure 39

The 2 inch 15mm hose is aligned and pressed over the intake port

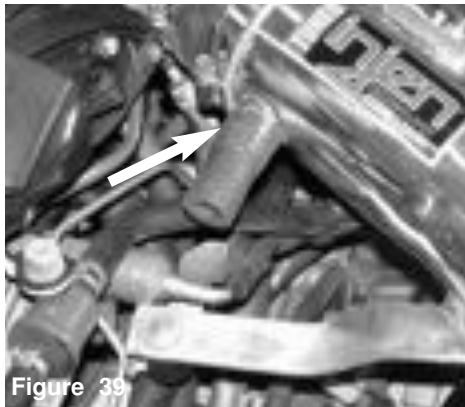


Figure 39

The 2 inch hose is pressed over the port as shown above.



Figure 40

The CCV box is as aligned to the 2" hose sitting on the 2" hose.



Figure 41

The CCV box is pressed into the 2" hose as shown above.

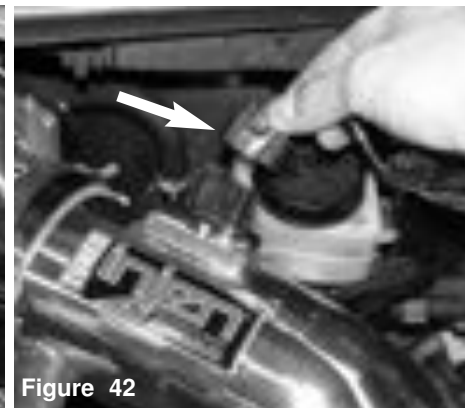


Figure 42

The harness clip is pressed over the mass air flow sensor. The harness clip is pressed over the MAFS until it snaps into place.

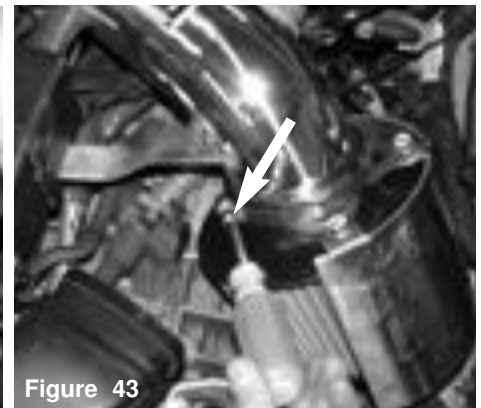


Figure 43

Once you have adjusted the entire air intake system, continue tighten the clamp around the heat-shield.



Figure 44

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 45

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.