



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
Published and patent pending
- 4- Tuning Method and Device for intake tracts having built-in
Air Filter Horns patent pending

Part number SP1988

2007-08 Nissan 350Z 3.5L V6

**Dual short rams equipped with MR Tech,
Air Fusion and filter Air Horns**

- 1- Driver side primaryair intake
- 1- Passenger side primaryair intake
- 2- 5" Injen/AMSOIL dry filter (#1045BB)
- 1- Driver side heat shield (#11048)
- 1- Passenger side heat shield (#11049)
- 2- 3 3/4" velocity stacks (#6049)
- 2- 3 3/4" x 3 1/2" step hose (#3133)
- 8- m6 x 12mm hex bolts (#6056)
- 2- small washers (#6011)
- 2- Power Bands .056/.412 (#4005)
- 2- Power Band .064/.462 (#4006)
- 2- 10" Rubber foam trim (#6058)
- 2- 6" Rubber foam trim (#6058)
- 2- 2 1/2" Rubber foam trim (#6058)
- 1- 7 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.

Please check the contents of this box immediately.

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

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

Loosen and remove the 10mm bolt that secures the air box top to the fender.



Figure 5

Depress the tab and pull the electrical harness connector from the mass air flow sensor.

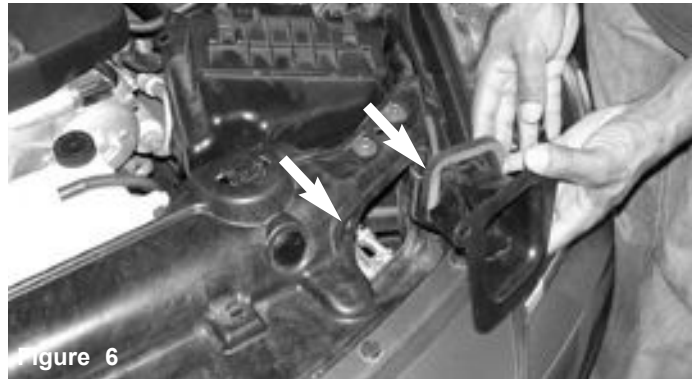


Figure 6

Remove the two expanding plastic tabs from the driver side air scoop, then pull the air scoop out as shown above.



Figure 7

Loosen the air duct clamp that connects the air duct to the sensor housing.



Figure 8

Loosen and remove the two mass air flow sensor bolts.



Figure 9

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



Figure 10

The air box cleaner is now ready to be removed from the engine compartment.

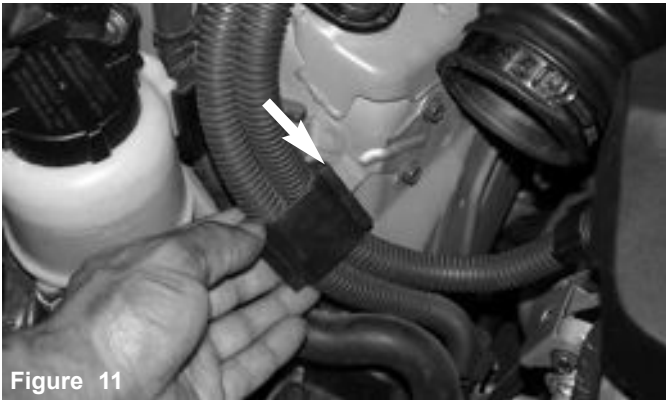


Figure 11

Relocate the plastic harness band behind the air box bracket as shown above.



Figure 12

The plastic harness band is now relocated.

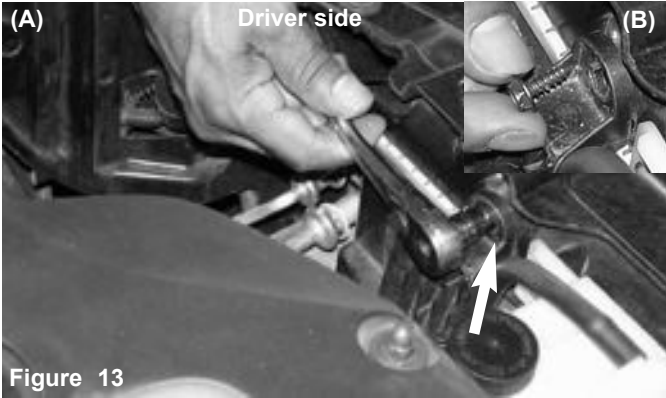


Figure 13

Loosen the screw on the radiator bracket that secures the radiator to the crossmember(A). Remove the screw from the radiator bracket (B).

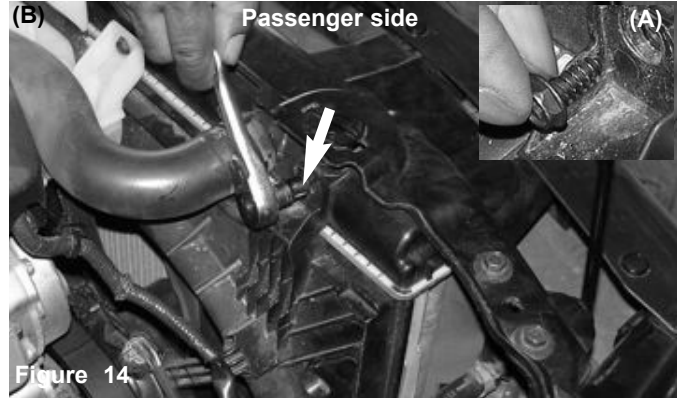


Figure 14

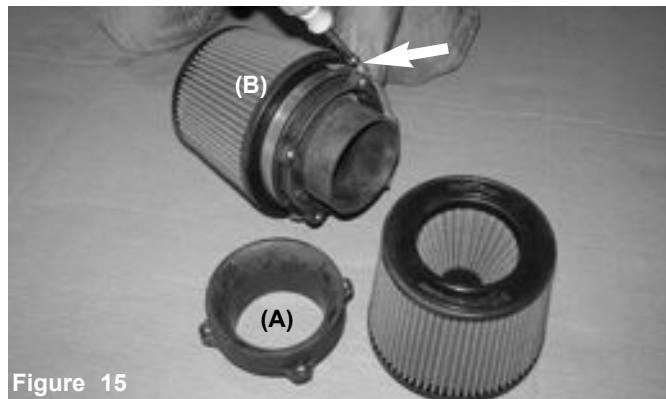


Figure 15

Press the velocity stack (A) into the filter neck (B). Tighten the filter clamp once the velocity stack has been properly positioned.



Figure 16

Repeat installation of the second filter and velocity stack. Filters and velocity stacks are now assembled.

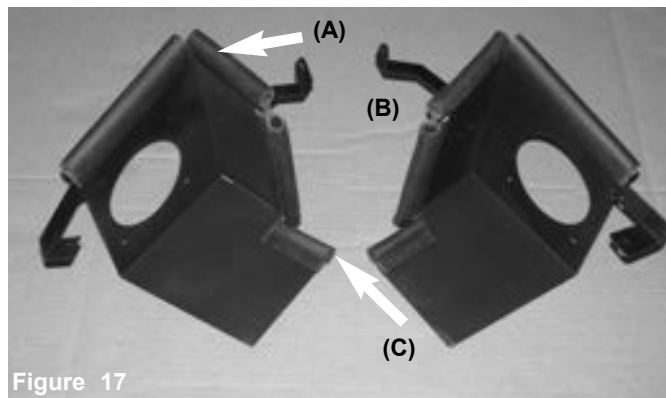


Figure 17

Press the 10" vinyl trim(A) over the top of the heat shield, press the 6" vinyl trim on the front side of the heat shield (B) press the 2 1/2" vinyl trim on the lower end of the heat shield (C), repeat install on the second heat shield.



Figure 18

take the assembled filter and velocity stack and insert it into the heat shield opening. Align the nut inserts to the bolt pattern on the heat shield.

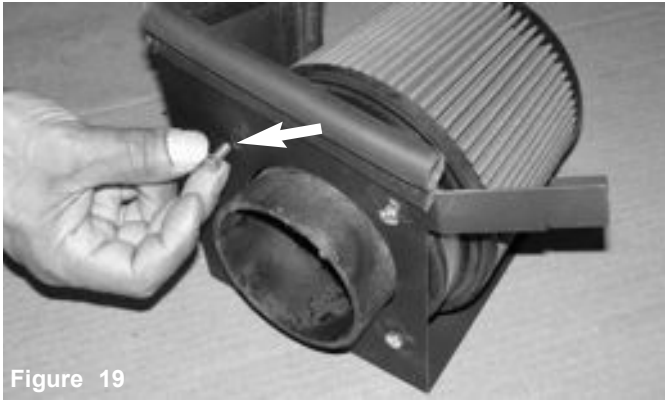


Figure 19

Once you have aligned the nut inserts to the bolt pattern, continue to use the m6 x 12mm bolts to fasten the velocity stack to the heat shield.

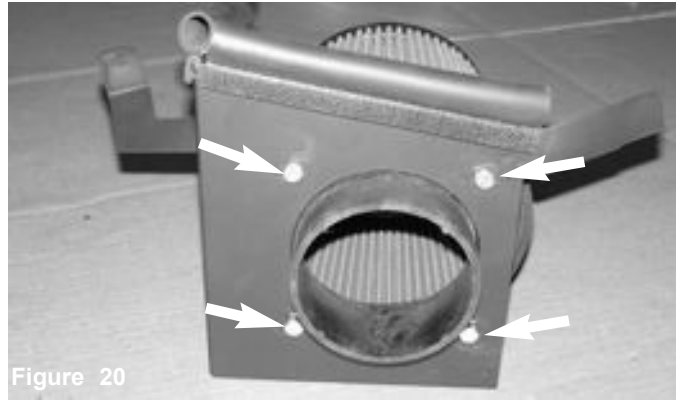


Figure 20

All four m6 bolts have been screwed into the nut inserts located in the velocity stack.



Figure 21

The filters, velocity stacks and heat shields have all been assembled.

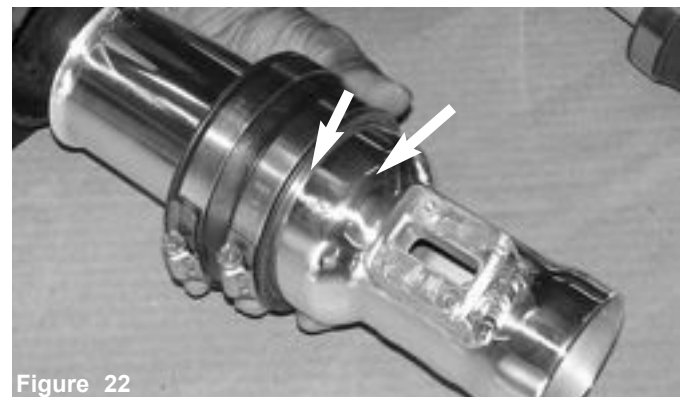


Figure 22

Take the tuned intake and step hose provided. Slip the smaller end of the step hose over the intake horn, adjust hose to about 1" from the end of the hump.



Figure 23

Once you have positioned the step hose in the correct position, continue to tighten the clamp over the intake, repeat install on the second intake.



Figure 24

The intakes and step hoses are now assembled.



Figure 25

The intake air horns are inserted into the velocity stacks and into the filters. The velocity stack neck should be pressed into the step hose.

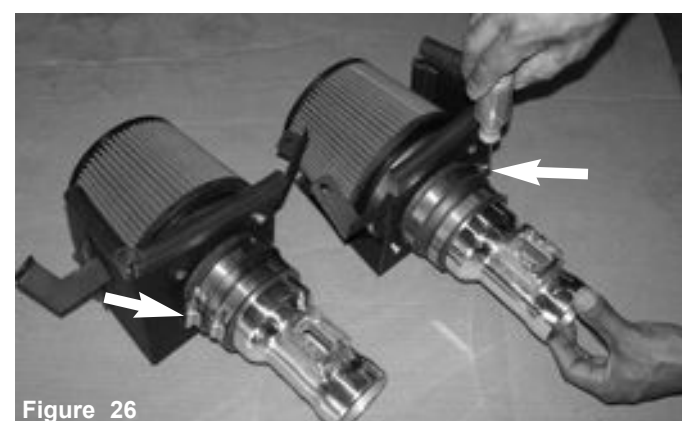


Figure 26

Once you have inserted the velocity stack neck into the step hose, continue to tighten the clamp over the step hose.



Figure 27

The filters and heat shields have been assembled to the intakes and step hoses.



Figure 28

The assembled driver side air filter is now lowered into the driver side engine compartment.

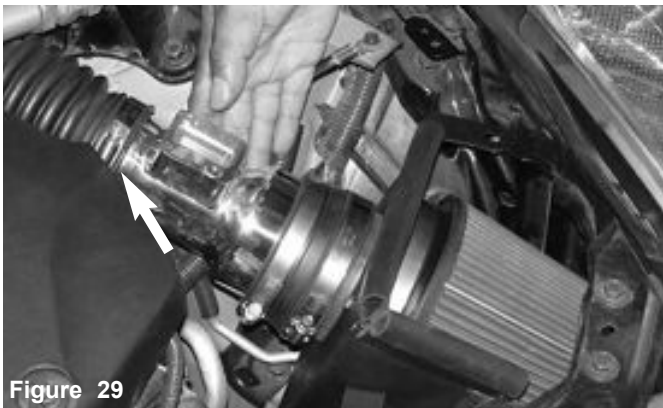


Figure 29

The intake end is inserted into the stock air intake duct. Insert the intake into the air duct until the heat shield brackets are aligned to the mounting holes.

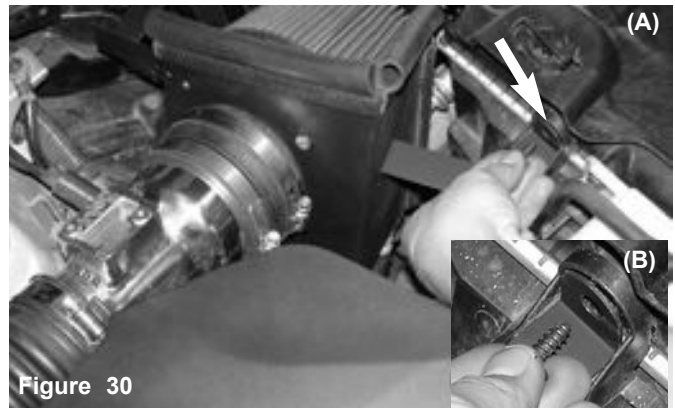


Figure 30

The extended bracket on the heat shield is aligned to the radiator bracket(A). The stock screw is used to secure the bracket to the radiator crossmember(B).

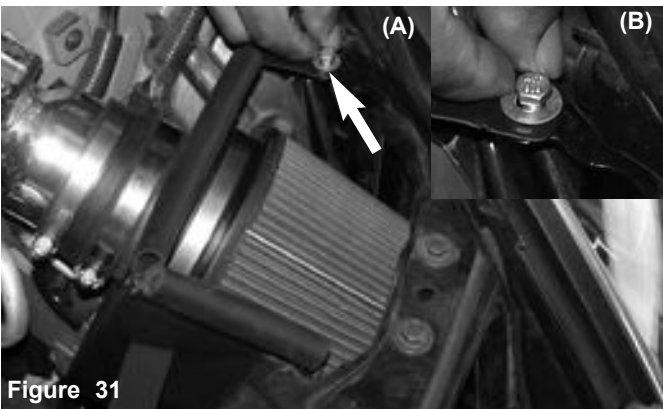


Figure 31

The second bracket on the heat shield is aligned to the driver side fender well (A) . Use the m6 x 16mm bolt and washer to secure the bracket (B).



Figure 32

The mass air flow sensor is now inserted into the sensor adapter as shown above.



Figure 33

Use two m4 x 10mm bolts to secure the mass air flow sensor to the machined sensor adapter.



Figure 34

Press the electrical sensor harness over the mass air flow sensor until it snaps in place.



Figure 35

align the passenger side air intake system for the best possible fit. Once the intake and heat shield has been properly adjusted, continue to tighten all nuts, bolts and clamps.



Figure 36

align the driver side air intake system for the best possible fit. Once the intake and heat shield has been properly adjusted, continue to tighten all nuts, bolts and clamps.



Figure 37

Congratulations! You have just completed the installation of one of the best air intake systems made.



Figure 38

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.
- 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.