



Part number SP1974

**07-08 Nissan Altima
2.5L, 4 cyl.
(automatic only)**

- 1- MR Tech short ram intake
- 1- 3" Injen tuned filter (#1014)
- 1- 2 3/4" straight hose (#3043)
- 1- HS5000 heat shield (#11011)
- 3- 5/16" flange bolt (#6019)
- 3- Composite H/S clamps (#4010)
- 1- m6 standard vibra-mount (#6020)
- 1- m6 flange nut (#6002)
- 1- Fender washer (#6010)
- 2- Power-bands (.312) .040 (#4003)
- 1- 4 page instruction



Note: Do not use any other replacement filters other than X-1014. The use of any other filter will change the performance and air/fuel ratio.

Note: The installation of this cold air intake does require mechanical skills. Removal of the front bumper requires loosening and removing several plastic plugs and screws that may be difficult. In addition to removing the bumper, you will also have to remove the air resonator box, battery and tray when beginning this installation. Injen strongly recommends that this system be installed by a professional mechanic.

MR Technology, "The World's First Tuned Intake System!"

Optimum performance, Factory safe air/fuel ratio.



Figure 1



Figure 2



Figure 3
Using an allen wrench, remove all three m6 bolts from the engine cover.



Figure 4
Once all three bolts are removed, continue to pull the engine cover from the air intake manifold and valve cover.



Figure 5
use an 8mm nut driver or screwdriver to loosen the throttle body clamp.



Figure 6
Press the clip on the harness connector and pull the electrical harness from the mass air flow sensor.

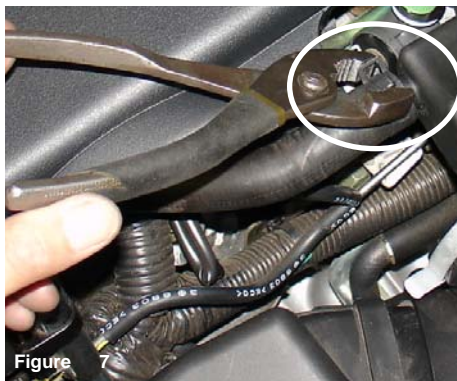


Figure 7
Depress the wire tension clamp on the crank case breather hose and pull it away from the crank case vent box.



Figure 8
Once the tension clamp is pulled away, continue to pull the hose away from the CCV box.



Figure 9
Unscrew the two bolts that secures the mass air flow sensor to the sensor housing.



Figure 10
Once you have removed the two bolts, continue to pull the mass air flow sensor out of the sensor housing. This mass air flow sensor will be used later in the installation.

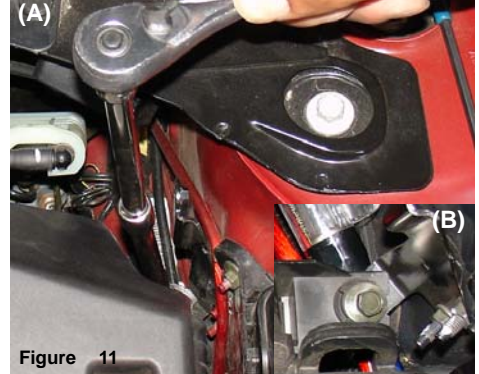


Figure 11
A 10mm socket and ratchet is used to remove an m8 bolt (A). The m8 bolt is located just behind the top air box on the right hand side (B).



Figure 12
Once bolts and clamps have been removed or loosened, continue to pull the entire air intake box and air intake tract from the engine compartment.



Figure 13
Press the 2 3/4" straight hose over the throttle body and use two power band. The power band on the throttle body is tightened at this point.



Figure 14
align the vibra-mount to the bracket located to the side of the strut tower mount.

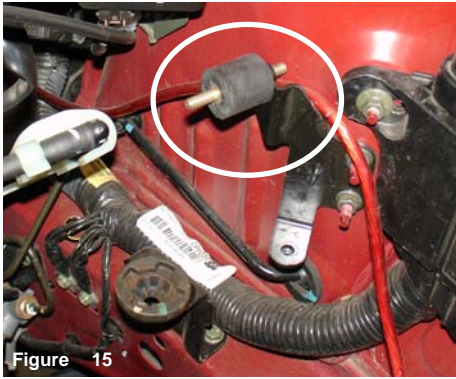


Figure 15
The vibra-mount is screwed all the way until it sits flush with the bracket.



Figure 16
Lower the air intake into the engine compartment and press the upper end into the throttle body hose.



Figure 17
The intake is now lowered into the engine compartment and into the throttle body hose.



Figure 18
The intake is pressed into the throttle body hose and the intake bracket is aligned to the vibra-mount stud.



Figure 19
The m6 flange nut and fender washer is used to fasten the air intake to the vibra-mount stud.



Figure 20
The m6 flange nut and fender washer is now securing the air intake. Do not over tighten the m6 nut until the assembled filter and heat shield has been installed.



Figure 21
Align the crankcase vent hose to the intake port as shown above.



Figure 22
Once the crankcase vent hose has been pressed into the intake port, continue to reuse the wire tension clamp to secure the hose in place.



Figure 23
Insert the original mass air flow sensor into the machined billet sensor adapter. To prevent kinking of the gasket, be sure to use a light oil to moisten the gasket.



Figure 24
Once the mass air flow sensor is sitting flush with the billet sensor adapter, continue to use the stock bolts to secure the air sensor in place.



Figure 25
Take the electrical sensor harness and press it over the mass air flow sensor. Press all the way down until you hear the clip snap the two together.



Figure 26
The electrical sensor harness is now reconnected to the mass air flow sensor.



Figure 27

The composite brackets are aligned to the press nuts on the heat shield and the 5/16" flange bolts are used to fasten the brackets to the heat shield.

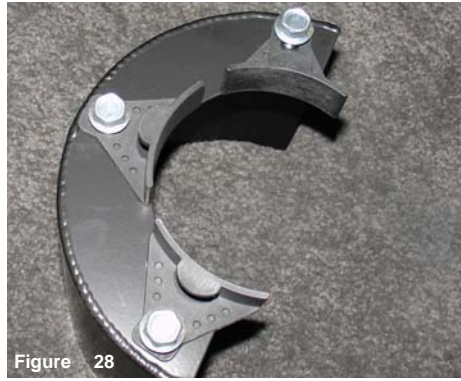


Figure 28

The composite brackets are in place over the heat shield and the 5/16" flange bolts are securing the brackets.



Figure 29

The filter neck is now slip between the composite brackets. The brackets are slotted for easy adjustment of the brackets.



Figure 30

The composite brackets should fit snug around the filter neck as shown above.



Figure 31

With the composite brackets around the filter neck, continue to slip the filter clamp over the composite brackets and filter neck.



Figure 32

The clamp is now fitted around the brackets and filter neck.



Figure 33

Take the assemble filter and heatshield and lower it into the engine compartment.



Figure 34

With the heat shield facing down or towards the transmission, press the assembled filter and shield over the end of the intake.



Figure 35

Once the intake is sitting flush up against the filter stops, continue to tighten the filter clamp.



The engine cover is placed over the engine to its original position.



The three stock m6 bolts are used to fasten the engine cover again.



Figure 42

adjust the entire intake for the best possible fit. Once you have made proper clearance through-out the intake and heat shield, continue to tighten all nuts, bolts and clamps.



Figure 43

Periodically, check the fitment of the intake and heat shield. Normal wear and tear may causes shifting of the intake that may cause damage to the intake. Failure to perform monthly preventative maintenance will void the warranty of this intake 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.