Part number SP1996
2006-10 Infiniti M45 4.5L V8

Tools required:

1- Flathead Screwdriver
1- 10mm socket
1- 8mm nut driver
1- ratchet

Install time: 2 hours

1- MR Tech intake system	
1- 3 1/2" Injen filter	(#1015)
2- 3 1/2" straight hose	(#3037)
4- Power-band **(.412)** .056	(#4005)
2- m6 Vibra-mounts	(#6020)
2- m6 flange nuts	(#6002)
2- Fender washers	(#6010)
1- 5 page Instruction	

Note: All parts and accessories are available on-line. Try our new Pro-Tech filter charger kit and Hydro-shield.
sold on-line at:
"injenonline.com"

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.
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.
Parts and accessories are available on line at "Injenonline.com"

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. For easy installation, remove the front, driver side wheel. Remove plastic plugs securing the plastic mud guard and peel guard back, this will allow easy access into the driver side bumper area when aligning the secondary intake.
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

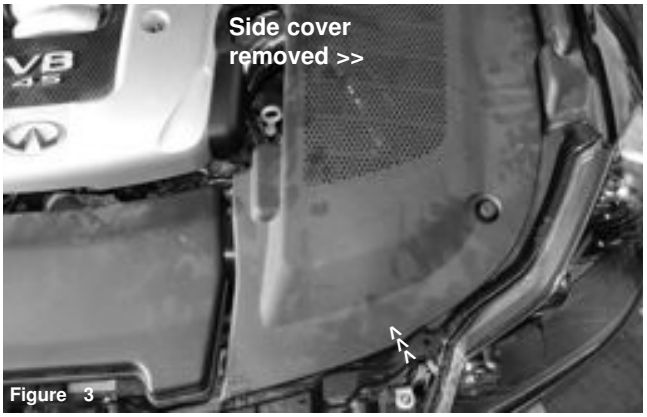

Figure 3

The plastic clips used to secure the side cover are removed and the entire plastic side cover is removed from the engine compartment.


Figure 4

Remove the flange nuts securing the engine cover and remove cover from the engine compartment.


Figure 5

Remove plastic clips from the front air scoop and remove the entire air scoop from the top cross member.


Figure 6

Use pliers to press the tension clamp on the breather hose. Pull the tension clamp back and remove the breather hose from the air intake duct.


Figure 7

Pull the 4mm vacuum hose from the stock air intake duct as shown above.


Figure 8

Remove the electrical clip from the mass air flow sensor located on the sensor housing.

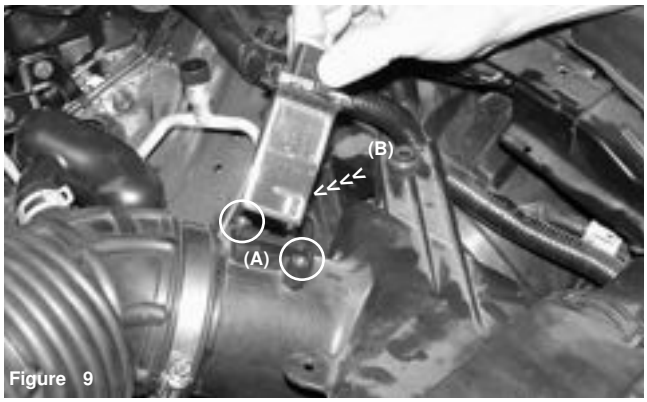

Figure 9

Remove the two screws from the sensor housing (A) pull the mass air flow sensor from the sensor housing as shown above (B).


Figure 10

Loosen clamps on both ends of the air intake duct. Once clamps have been loosened, continue to pull the air duct from the throttle body and air box cleaner.

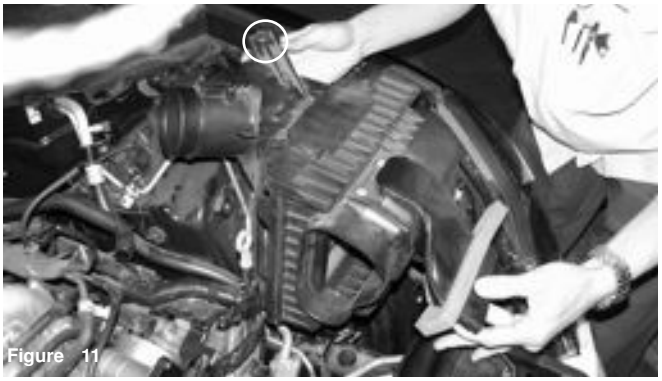
Figure 11

Remove screws used to hold the air box cleaner in place. Once screws have been removed, continue to pull the entire air box cleaner out of the engine compartment.


Figure 12

Pull the resonator box out of the grommet pins used by the resonator box. The resonator box will not be used as part of this installation.


Figure 13

Press the straight hose over the throttle body and use two power bands. Once the hose has been placed over the throttle body, use a nut driver to tighten the power band on the throttle body side.


Figure 14

The vibra-mount is screwed into the fender well air box bracket as shown above.

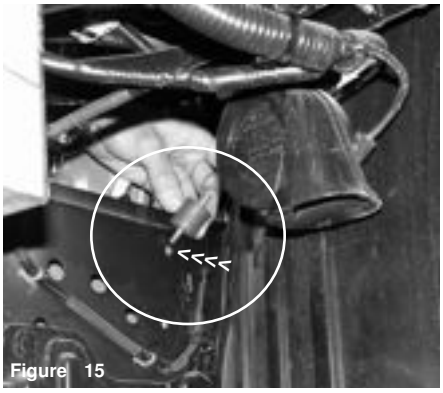
Figure 15

The second vibra-mount is screwed into the pre-tapped hole located on the main frame.


Figure 16

The primary intake is lowered into the engine compartment while the top end is pressed into the throttle body hose.

Figure 17

The intake is pressed into the throttle body hose (A) while the intake bracket is aligned to the vibra-mount stud (B).

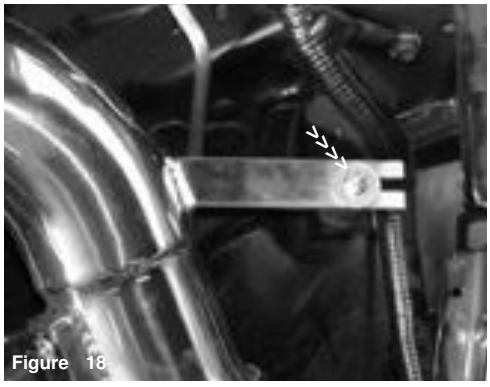
Figure 18

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

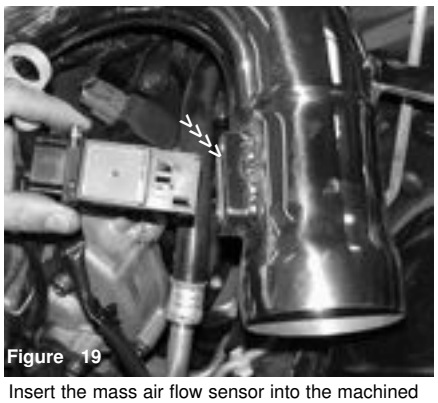
Figure 19

Insert the mass air flow sensor into the machined adapter. Once the mass air flow sensor has been butted up to the adapter, continue to use the stock screws to fasten the sensor and adapter together.

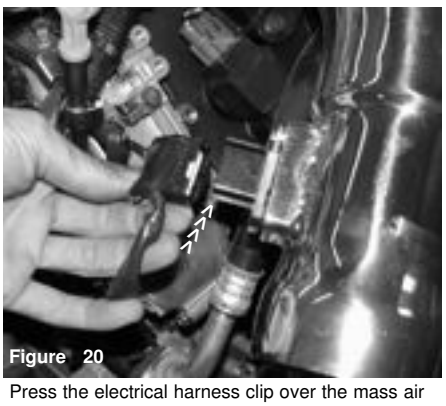
Figure 20

Press the electrical harness clip over the mass air flow sensor. A firm snap is a sign of a good connection of the two devices.

Press the 4mm vacuum line over the 3/16” intake port. It is important that the Vacuum switching valve hose be securely placed over the 3/16” intake port. A bad connection will cause idling problems if not installed properly.

Press the stock breather hose over the end of the large intake port, use the stock clamp to secure the hose to the intake port.

The SP1996 cold air intake can also be used as a short ram. It is recommended to use the system as a short ram whenever rain is expected.

The power -bands are placed over the 3 1/2” straight hose. Press the straight hose over the end of the primary intake, approximately one inch of the hose is pressed over the intake end.

The secondary intake is lowered into the engine compartment.

Lower the secondary intake into the large resonator opening while carefully aligning the intake bracket to the vibra-mount stud.


Figure 27

align and set the intake bracket over the vibra-mount stud. Press the top end of the secondary intake into the hose located on the primary intake.

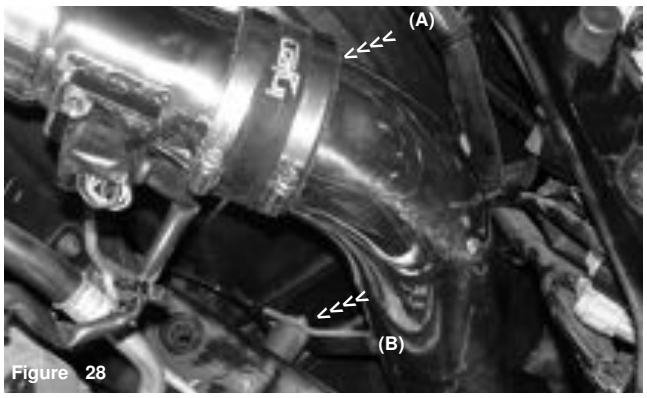

Figure 28

Once the Primary and secondary intakes have been aligned continue to semi-tighten the power-band (A). Use the m6 flange nut and fender washer to secure the intake to the vibra-mount stud (B).


Figure 29

Press the filter over the end of the secondary intake. Once the intake has been butted to the filter stops, continue to tighten the filter neck clamp.


Figure 30

Replace the front air scoop back to its original position once the intake has been installed.


Figure 31

align the entire intake for the best possible fit. Once the entire intake has been checked and cleared for any possible rubbing or rattling, continue to tighten all nuts, bolts and clamps.


Figure 32

Once all nuts, bolts and clamps have been fastened, continue to replace the front air scoop, side cover and engine cover. Periodically, check the fitment of the entire intake system for any shifting that may cause damage.

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.