Part number SP1870 (CAI)
06-07 Mitsubishi Eclipse
2.4L 4 cyl.
Manual only

1- MR Tech intake system	
1- **3" Injen filter**	**(#1014)**
1- 2 7/8" straight hose	(#3050)
1- 3" straight hose	(#3044)
1- 1 3/4" x 2" long straight hose	(#3073)
2- Power-Bands(.048)**(.362)**	(#4004)
2- Power-Bands(.040)**(.312)**	(#4003)
2- Power-bands**(.212)**	(#4021)
1- m6 Vibra-mount	(#6020)
1- m6 flange nut	(#6002)
1- Fender washer	(#6010)
1- 4 page Instruction	

Tools required:
1- 10mm socket
1- 8mm socket
1- Phillips head screwdriver
1- Flat head screwdriver
1- 8mm nut driver
1- ratchet

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.

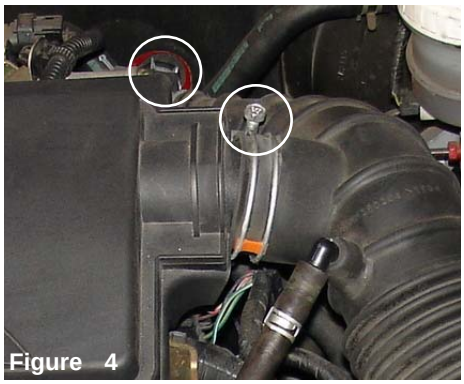
Figure 1

Cold Air Intake contents:

Figure 2

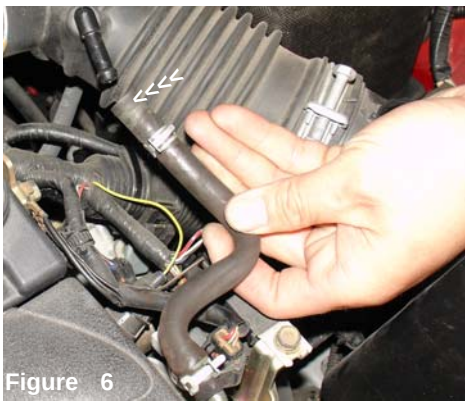
Application number X-1033

Stock air box cleaner and air duct.



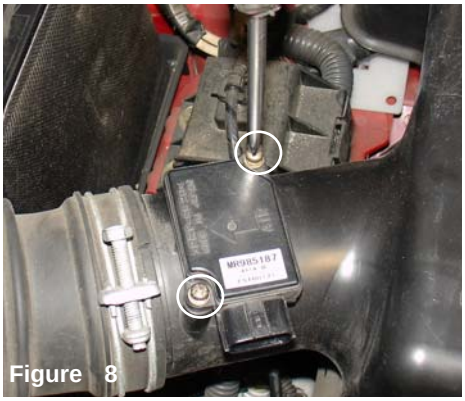
The throttle body and resonator clamps are loosened.

Once the clamps have been loosened, continue removing the rubber air ducts from the throttle body and resonator.



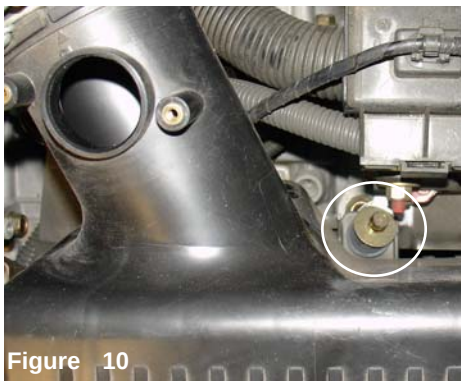
Disconnect the vacuum hose from the air intake duct.

Disconnect the electrical harness clip from the mass air flow sensor.

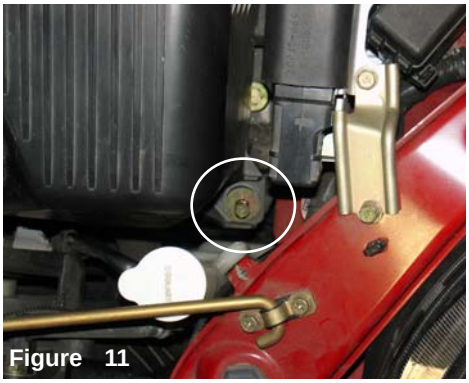


A phillips screwdriver is used to remove two screws from the mass air flow sensor.

Once you have removed both screws, continue pulling out the mass air flow sensor from the sensor housing.



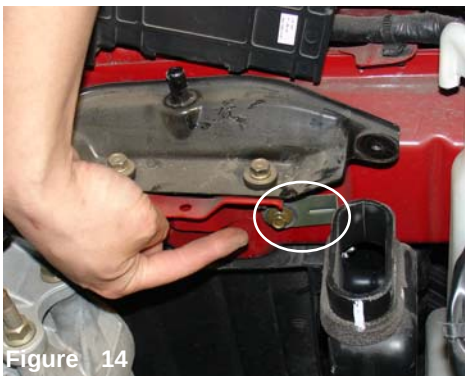
Remove one of the m6 bolts below the sensor housing.



Remove the second m6 bolt located behind the head lamp.

Remove the two plastic clips holding the front air scoop in place.

Pull upward on the entire air box cleaner, air duct and front air scoop. By pulling up, you'll clear the locating pin that secures the air box ring as shown above.



The m6 bolt is removed from the car frame. This bracket is attached to the plastic resonator box that will be removed. This is one of the three m6 bolts that will be removed.

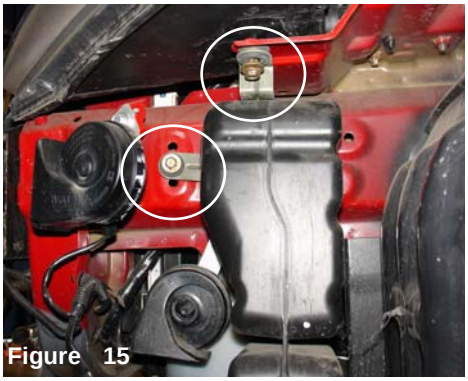


Figure 15

Looking at the driver side bump corner, you'll notice the remaining two m6 bolts that will be removed from the resonator brackets.

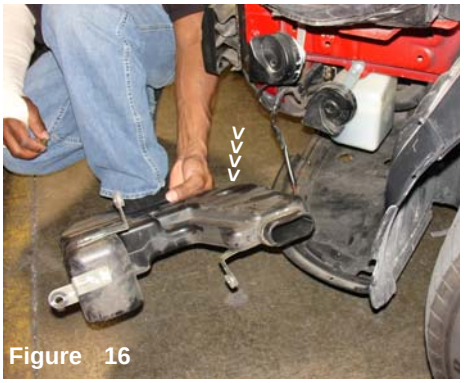


Figure 16

Once all three bolts have been removed, continue to pull the resonator box out of the corner bumper.


Figure 17

Screw the m6 vibra-mount into the bracket hole used to mount the air box cleaner.


Figure 18

The vibra-mount is now attached and in place.


Figure 19

Press the 2 7/8" straight hose over the throttle body and use two power-bands. Tighten the power-band located on the throttle body side for now.


Figure 20

Press the 1 3/4" straight hose over the resonator port and use two power-bands. Tighten the power-band located on the resonator port at this point.


Figure 21

Lower the intake into the engine compartment and align the intake to the two straight hoses as shown above.


Figure 22

The throttle body outlet is inserted into the 2 7/8" hose at this point.


Figure 23

The resonator port is now pressed into the 1 3/4" hose. The intake is now aligned prior to tightening any of the clamps.


Figure 24

Press the stock vacuum hose over the intake port.

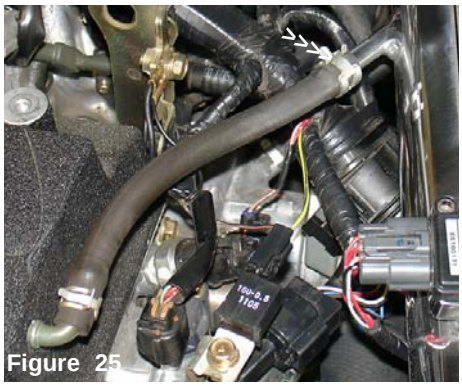


Figure 25

The stock vacuum line is now attached to the intake vacuum port. The small stock clamp is used to secure the vacuum line in place.

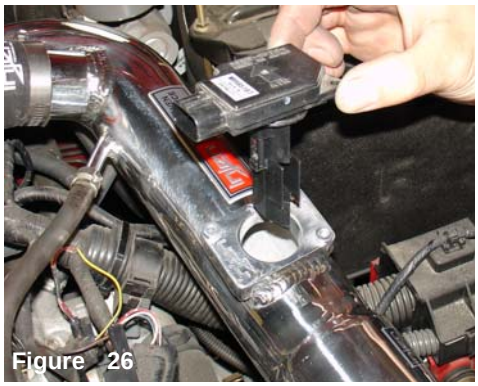
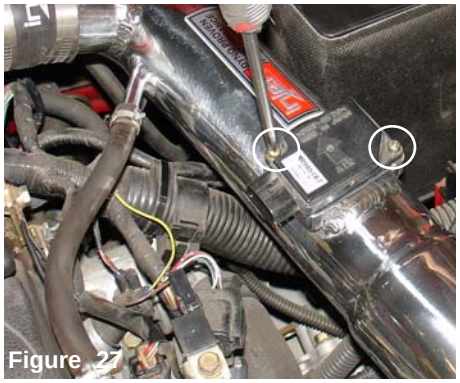


Figure 26

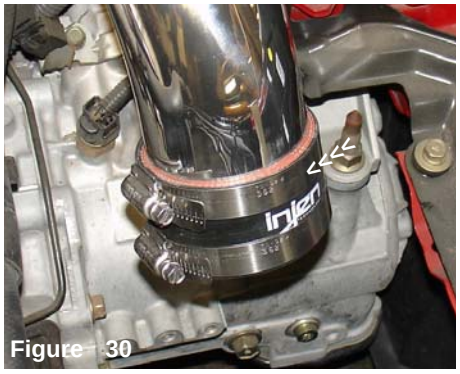
Locate the mass air flow sensor and insert it into the machined sensor adapter. Moisten the O-ring with light oil prior to inserting the sensor into the hole.



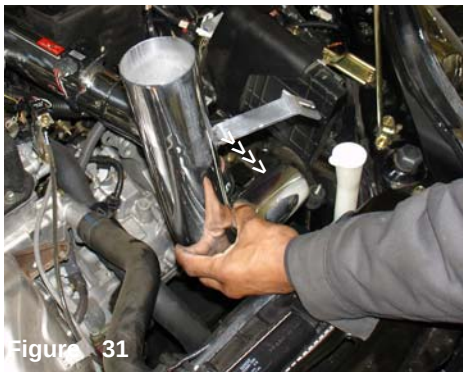
Use the stock screws to fasten the mass air flow sensor to the sensor adapter.

Press the electrical harness clip into the mass air flow sensor until you have heard it snap in place.

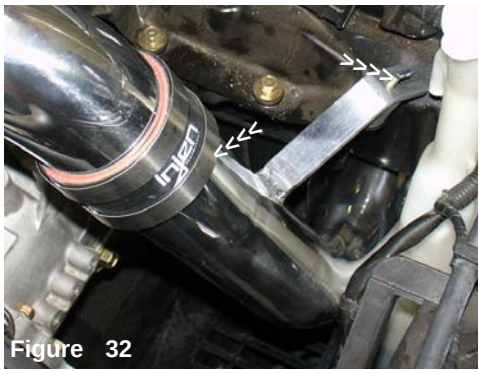
Press the filter over the end of the primary intake and your system is now used as a short ram.



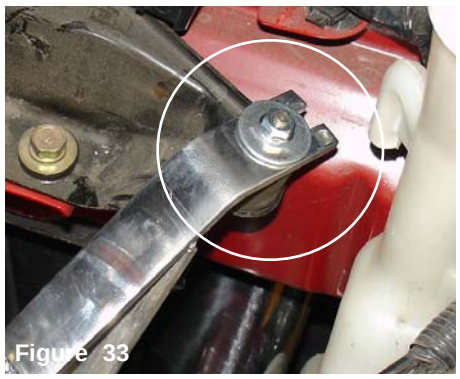
Press the 3" hose over the end of the primary intake. The 3" hose should not cover more than 1" of the edge of the intake. Use two power-bands and tighten the clamp on the intake side for now.



Lower the secondary intake into the engine compartment and into the opening leading into the bumper area.



Press the upper end of the intake into the 3" straight hose while aligning the intake bracket to the vibra-mount.



Use the m6 flange nut and fender washer to secure the intake bracket.

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

Adjust and align the intake for best possible fit. Once you have cleared the intake assembly from all moving part, continue to tighten all nuts, bolts, and clamps.

Note: With the transmission in neutral, start the engine and listen for possible air leaks, rattles, rubbing or idle problems.. For air leaks, check all connecting hoses and clamps. For rattling or rubbing, check the intake fitment and intake bracket that is fastened to the vibra-mount. Always, find the cause of the problem and repair it before moving forward.

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.