Part number SP6072 (CAI)
06-07 Mazda 6 3.0L V6
Automatic

1- MR Tech intake system	
1- 3" Injen filter	(#1014)
1- 2 3/4" x 3" 45 deg. elbow	(#3013)
1- 6" 10mm heater hose	(#3077)
2- Power-Bands .362 .048	(#4004)
1- m6 Vibra-mount	(#6020)
1- m6 flange nut	(#6002)
1- Fender washer	(#6010)
1- 4 page Instruction	

Application number X-1033

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

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

Contents:

Figure 2

Remove all plastic clips and screws securing the bumper to the fender and radiator shroud. Remove the front bumper for easy access to the resonator box.

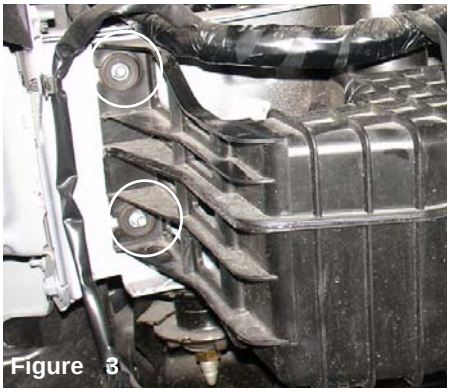


Figure 3

Once the bumper has been removed, continue to remove the three bolts holding the air resonator box to the car frame. Two bolts are located on the right side of the resonator box.

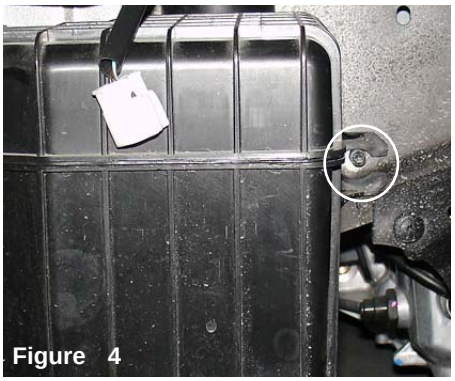


Figure 4

Remove the third bolt located on the opposite side of the resonator box

Figure 5

When all bolts have been removed the detach the resonator box from the car frame.

Figure 6

The stock air box is now ready to be pulled out of the engine compartment. Loosen the clamp on the throttle body to remove air duct connected to the throttle body.

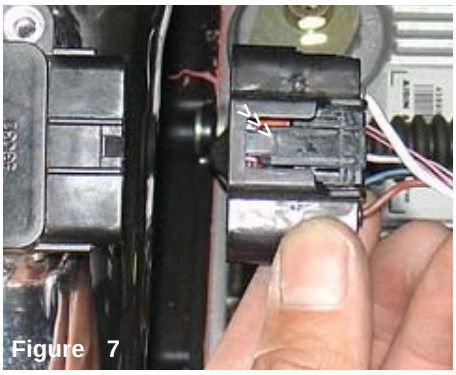


Figure 7

Depress the center clip and disconnect the electric sensor harness from the air mass sensor as shown above.

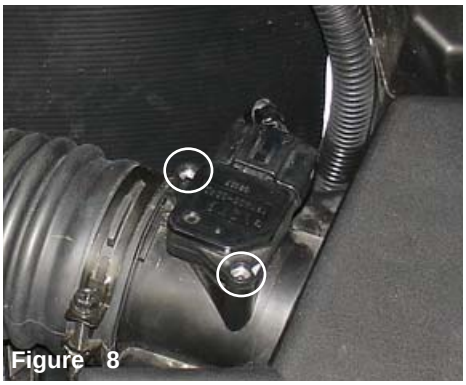


Figure 8

Remove the two screws that fastens the mass air flow sensor to the sensor housing.

Figure 9

Pull the mass air flow sensor out from the sensor housing.

Figure 10

Remove the ventilator hose coupler from the air duct port. The ventilator hose will remain on crank case for future use.

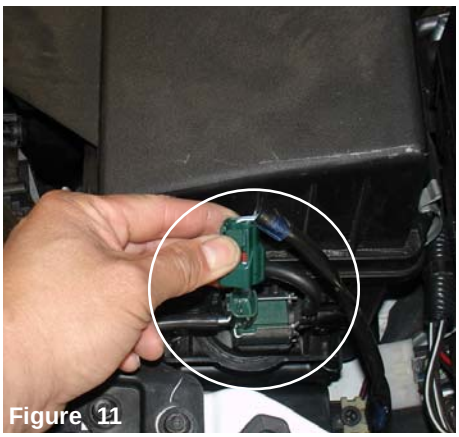


Figure 11

The harness clip is disconnected from the air box solenoid.

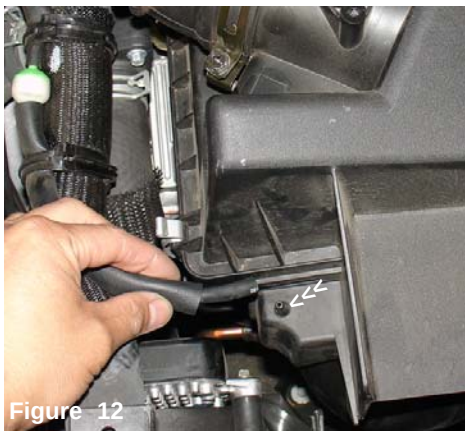


Figure 12

Remove the 4mm vacuum line from the air box ventilator port.

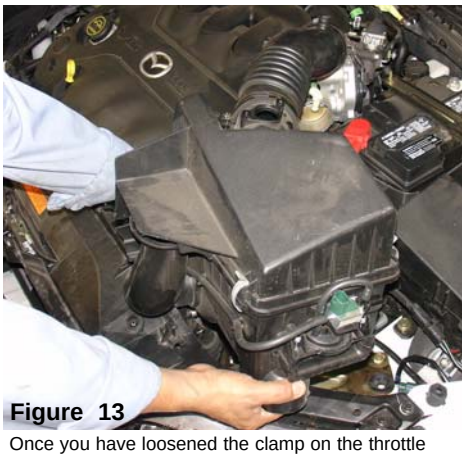
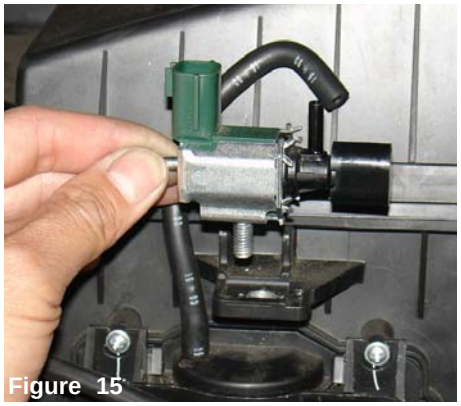


Figure 13

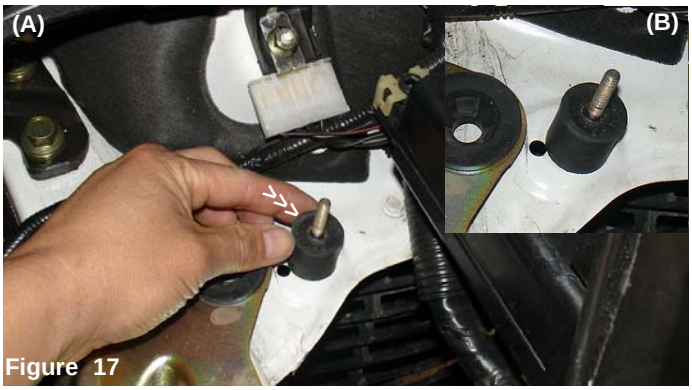
Once you have loosened the clamp on the throttle body continue to pull the air box out from the three plunge grommets.

Press the silicone elbow over the throttle body and place two power bands over the elbow. Semi-tighten the power band located over the throttle body for now.



Remove the nut securing the solenoid to the air box. Remove the solenoid from the air box cleaner to be used on the intake.

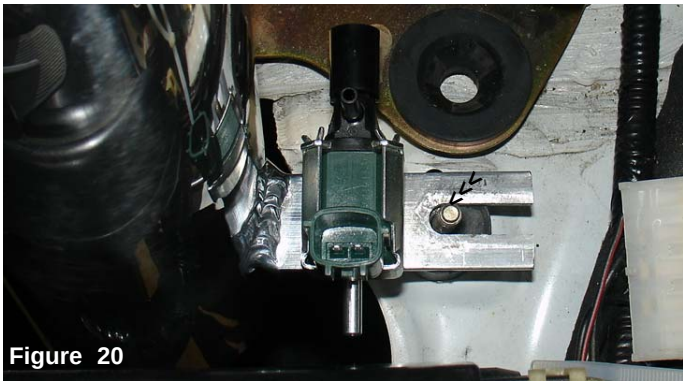
With the filter end of the intake facing down, place the solenoid on top of the intake bracket and use the same nut to fasten the solenoid to the intake bracket.



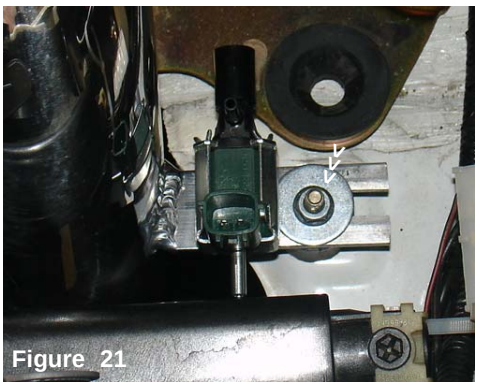
The vibra-mount is aligned and screwed into the existing pre-threaded hole (A). The vibra-mount is screwed into the threaded hole until it is sitting flush with the sheet metal (B).

Lower the intake into the engine compartment, align the top end to the inlet hose and the intake bracket to the vibra-mount stud.

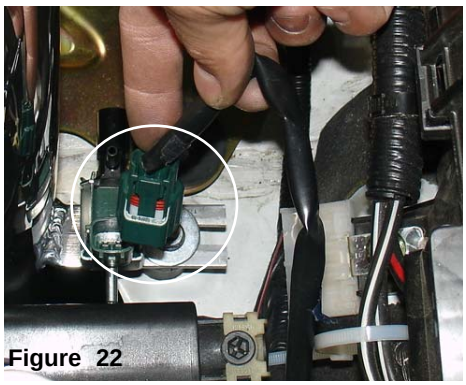
The top intake is pressed into the silicone elbow, while the intake bracket is aligned to the vibra-mount stud.



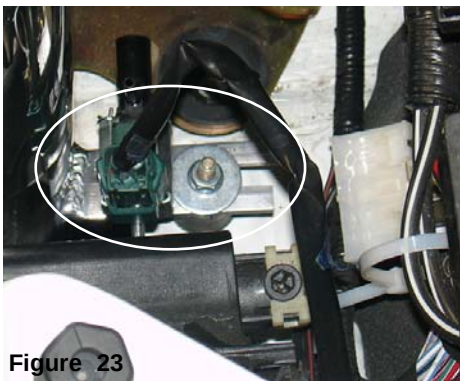
The intake bracket is aligned to the vibra-mount stud.



The m6 flanged nut and fender washer is used to secure the intake to the vibra-mount.



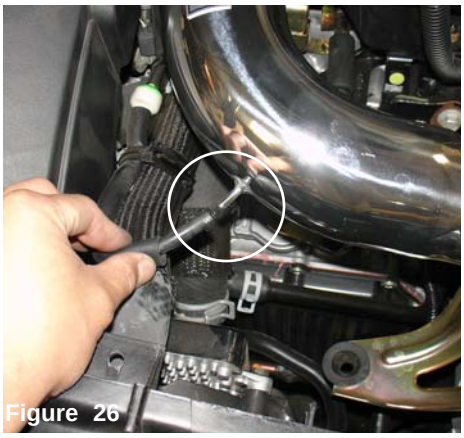
The solenoid harness is lined up to be connected to the solenoid. Press the electrical harness over the solenoid until they have both snapped together in place.



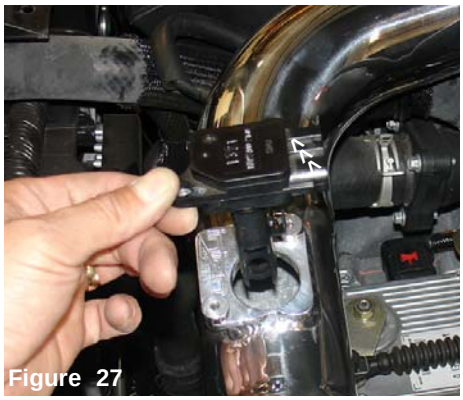
The electrical harness is connected to the solenoid and the intake bracket is secured to the vibra-mount using an m6 flanged nut and fender washer.

The 6" -10mm vacuum hose is pressed over the 5/8" intake port as shown above.

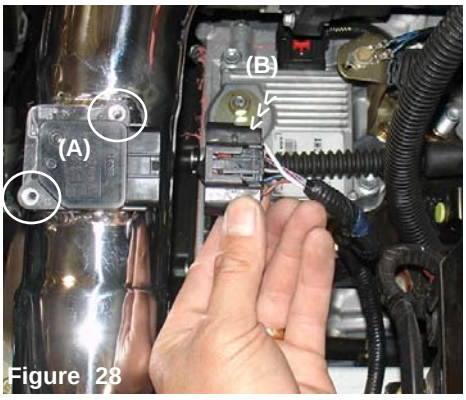
The other end of the 6"-10mm vacuum hose is pressed over the 90 degree crank case coupler.



The stock 4mm vacuum line is pressed over the 3/16" intake port as shown above.

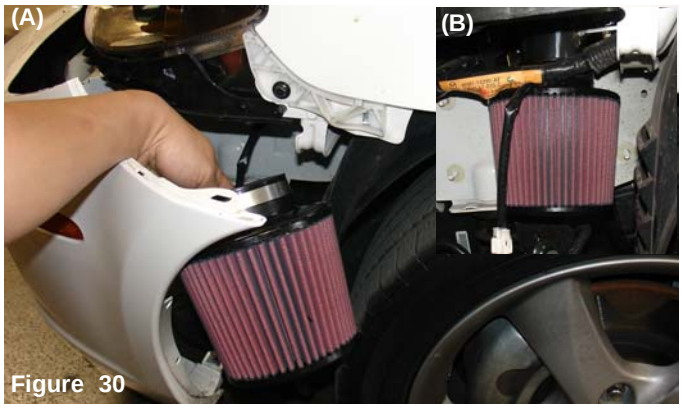


Insert the mass air flow sensor into the machined adapter. Use a a dab of light oil on the O-ring to insure good fitment and seal.



The stock screws are used to fasten the mass air flow sensor to the adapter (A) . Press the electrical harness over the mass air flow sensor until they have snapped together (B).

The bolts have been fastened to the sensor adapter and the electrical harness is firmly placed over the mass air flow sensor.



Align the filter to the end of the intake (A). Press the filter over the intake end until the intake has butted up against the filter stops (B) Tighten the clamp on the filter neck to prevent the filter from falling off.

Congratulations! You have just completed the installation of this cold air intake system. Periodically, check the fitment of this intake system to avoid shifting of the intake that may damage the intake from rubbing and banging to other metal 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.

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.