



Part number SP6071 (CAI)
 2006 Mazdaspeed 6
 2.3L 4 cyl.
 Manual



Application number X-1034



- 1- MR Tech intake system
- 1- 3 1/2" Injen filter (#1015)
- 1- 2 3/4" x 2 1/2" step hose (#3116)
- 1- 14" -15mm heater hose (#3079)
- 2- Power-Bands .312 .040 (#4003)
- 1- m6 Vibra-mount (#6020)
- 1- m6 flange nut (#6002)
- 1- Fender washer (#6010)
- 1- 3 page Instruction

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

Contents:

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





Figure 2

Remove all plastic clips and screws securing the bumper to the fender and radiator shroud. Once the bumper has been detached, continue to remove the front bumper for easy access to the resonator box.

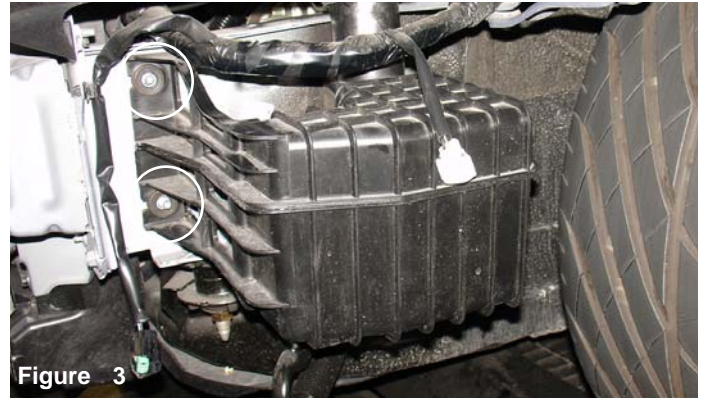


Figure 3

Once the bumper has been removed, continue to remove the three bolts holding the air resonator box to the frame. Two bolts are shown in this picture.

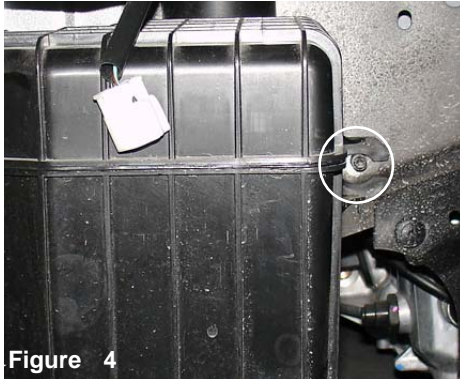


Figure 4

The third bolt is shown on the air resonator box to be removed.



Figure 5

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



Figure 6

The stock air box is now ready to be pulled out of the engine compartment. The clamp over the throttle body is loosened to disconnect the air duct from the throttle body.

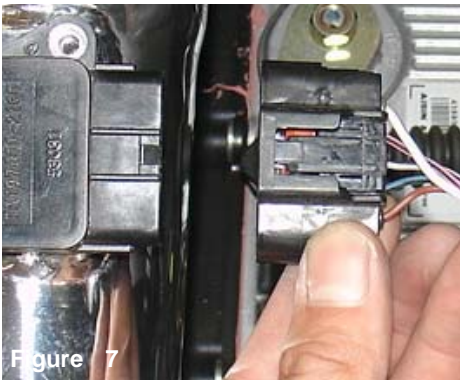


Figure 7

Disconnect the electric sensor harness from the air mass sensor as shown above.

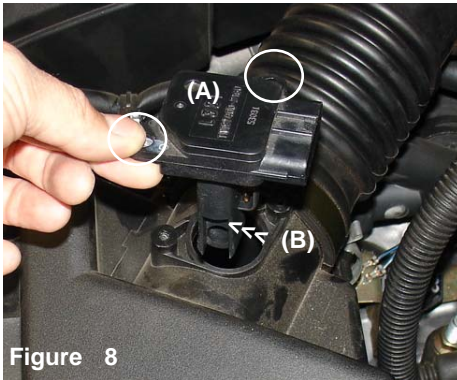


Figure 8

Remove the two screws from the mass air flow sensor (A) then pull the mass air flow sensor out from the sensor housing (B).



Figure 9

Depress clip on the ventilator hose coupler and pull the coupler out from the crankcase port. The hose and coupler will stay intact with the air box cleaner.



Figure 10

The entire air box cleaner and air intake duct are pulled up and out of the grommets.



Figure 11

Remove the two bolts that fastens the air box brace to the frame.

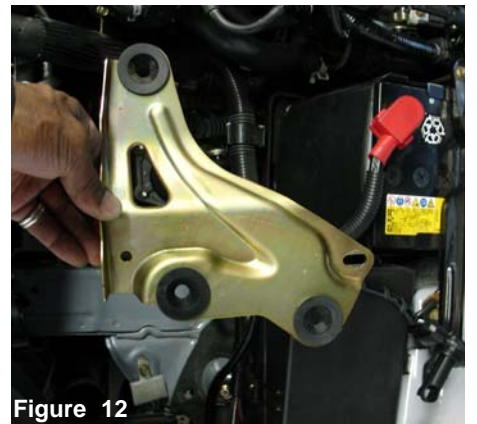


Figure 12

Once you have removed the two bolts continue to pull the brace out of the engine compartment.



Figure 13
 Press the step hose over the turbo inlet and place two power bands over the hose. Tighten the power band located over the turbo inlet for now.



Figure 14
 Remove the bolt that grounds the wire connectors to the frame. This is where the vibra-mount will be placed.



Figure 15
 The vibra-mount is aligned and screwed into the existing pre-threaded hole.



Figure 16
 The vibra-mount is screwed in place until it sits flush over the connector plate.



Figure 17
 Lower the intake into the engine compartment, align the top end to the inlet hose and the intake bracket to the vibra-mount stud.



Figure 18
 The top intake is pressed into the turbo hose inlet, while the intake bracket is aligned to the vibra-mount stud.



Figure 19
 The intake bracket is aligned to the vibra-mount stud.



Figure 20
 The m6 flanged nut and fender washer is used to secure the intake to the vibra-mount.



Figure 21
 The 14"-15mm vacuum hose is now placed into the engine compartment.

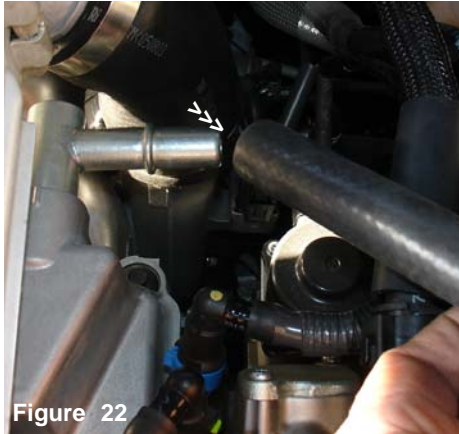


Figure 22

The 15mm hose is pressed over the crankcase vent-lator port.



Figure 23

The other end of the 15mm hose is pressed over the 5/8" intake port.

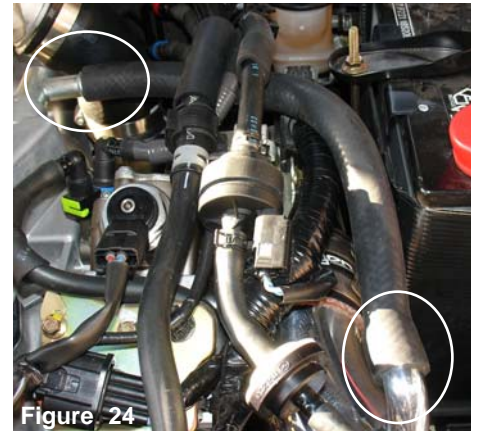


Figure 24

The 14"- 15mm vacuum hose is now installed



Figure 25

Press the filter over the intake end. The filter will come to a stop when the stops have butted up against the intake end, tighten the filter clamp.



Figure 26

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

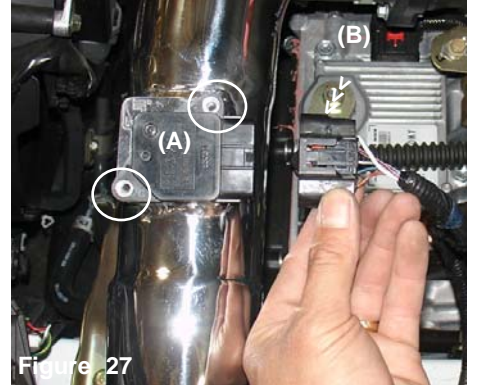


Figure 27

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).



Figure 28

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



Figure 29

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 hitting of 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.