



Part number SP2078
2009 Toyota Corolla XRS
2.4L 4 cyl.
Not CARB approved

- 2- piece cold air intake
- 1- 3 1/2" Power-flow filter (#1015)
- 1- secondary silicone hose (#3157)
- 1- 2 1/2" straight hose (#3048)
- 4- Power Bands .040/.312 (#4003)
- 1- m6 vibra-mount (#6020)
- 1- m6 flange nut (#6002)
- 1- Fender washer (#6010)
- 2- m4 Button head screws(#6047)
- 1- 6 page instruction

Note: All parts and accessories now sold on-line at :
"injenonline.com"

PRODUCT DISCLAIMER AND LIABILITY WAIVER:

THIS PRODUCT IS DESIGNED FOR OFF-ROAD or COMPETITION USE ONLY.

Due to the removal of the factory air box assembly, which contains a Non-removable Hydro-Carbon Element. Any aftermarket intake system that removes the factory air box assembly are to be used for off-road use only. Please keep all OEM intake system components for future use.

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.

Injen strongly recommends that this system be installed by a professional mechanic.

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

Factory safe air/fuel ratio's for Optimum performance Patent# 7,359,795
This intake system is equipped with the first ever Air Intake Filter Horns Patent Pending

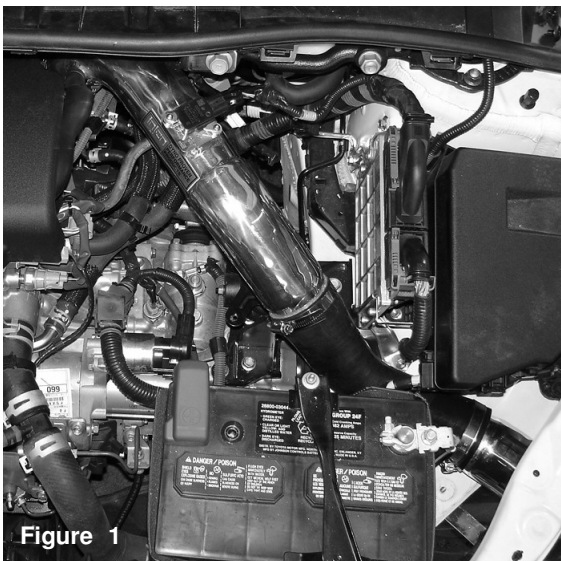


Figure 1

Warning: Manufactures attempting to duplicate Injen's patented process will now face legal action.

MR Technology Step down process:

- 1- Calibration Method for Air Intake Tracts for Internal Combustion Engines. Covered under Patent# 7,359,795
- 2- Calibration Device for Air Intake Tracts for Internal Combustion Engines. Published and patent pending
- 3- Calibration Method and Device for Air Intake Tracts having Air Fusion Published and patent pending
- 4- Tuning Method and Device for intake tracts having built-in, extended Air Horns patent pending

Figure 2



Figure 3

The engine cover to be removed. Note: prior to getting started with the installation, disconnect the negative battery terminal.



Figure 4

Loosen and remove the 10mm bolt that secures the engine cover in place.



Figure 5

The engine cover is now remove.



Figure 6

The plastic pin is popped up in order to remove the pin.

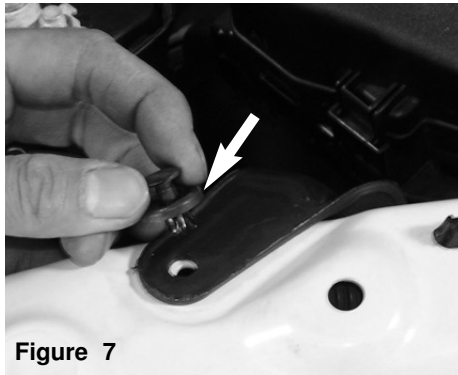


Figure 7

The plastic pin is now removed from the air box extended brace.



Figure 8

Compress the tension clamp on the air duct connected over the throttle body . Pull the air duct away from the throttle body.

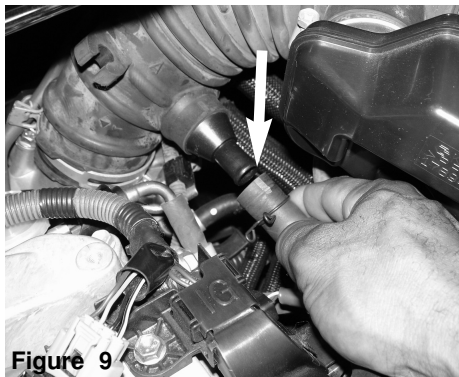


Figure 9

The crank case hose is pulled from the air duct port as shown above.

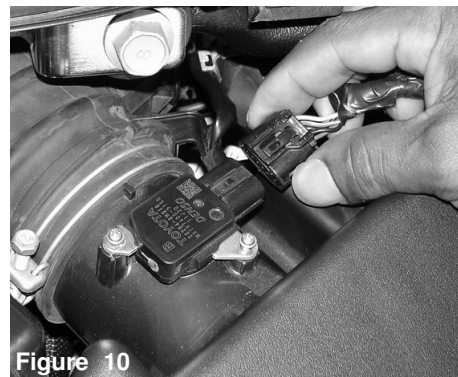


Figure 10

Depress the tab and pull the electrical harness connector from the mass air flow sensor.

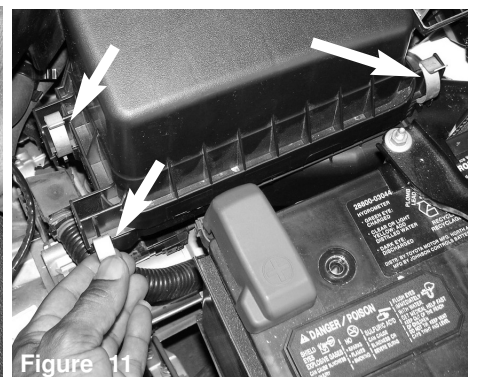


Figure 11

The three C- clamps are unhooked from the upper air box.

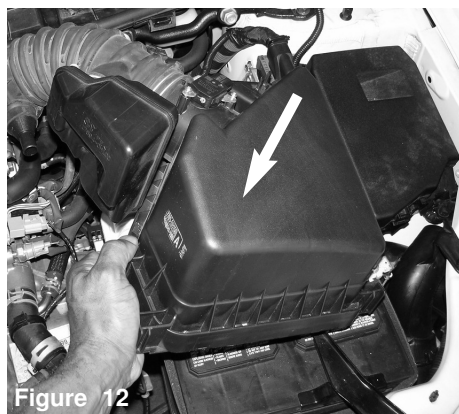


Figure 12

The upper air box and air intake duct is removed from the throttle body and lower air box.



Figure 13

The stock filter panel is removed from the lower air box.



Figure 14

The three m10 bolts are loosened and removed from the lower air box as shown above.

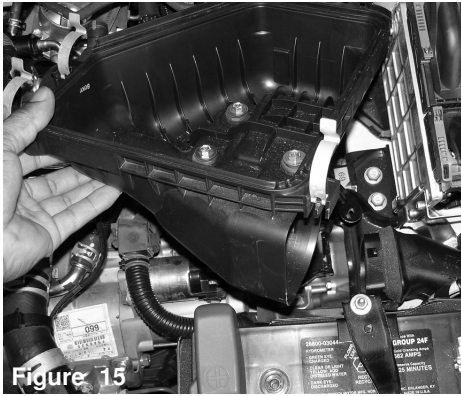


Figure 15
The lower air box cleaner is now pulled out from the engine compartment.

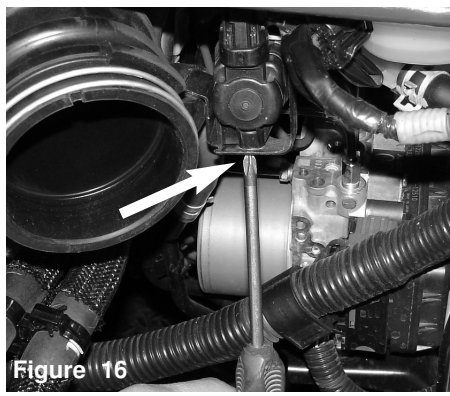


Figure 16
Loosen and remove the m5 bolt from the bracket holding the vacuum switching valve.

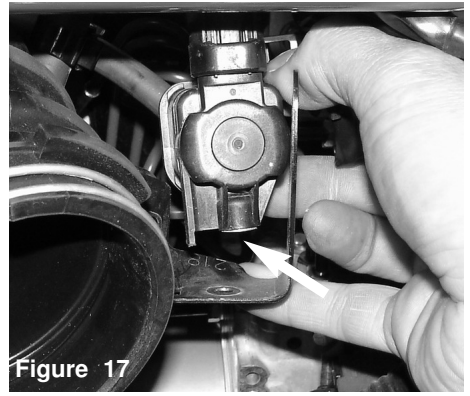


Figure 17
The vacuum switching valve is removed from the brace as shown above.

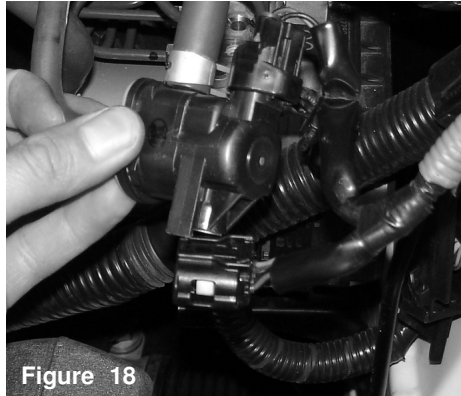


Figure 18
The vacuum switching valve will be installed on the primary intake later in the instructions.

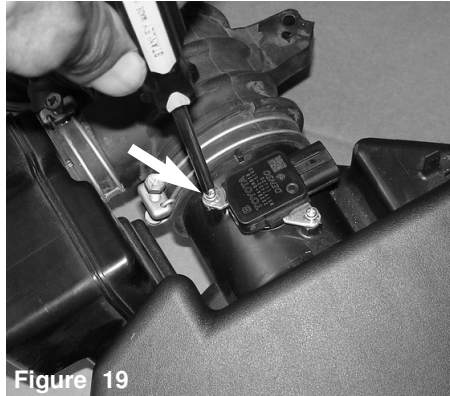


Figure 19
Loosen and remove the two mass air flow sensor bolts.

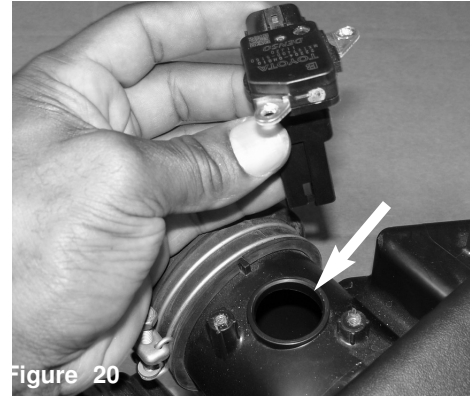


Figure 20
The mass air flow sensor is carefully pulled from the sensor housing.



Figure 21
The lower air resonator duct is removed from the driver side bumper.



Figure 22
The air resonator hose will no longer be used with the cold air intake.



Figure 23
Loosen and remove the first m6 bolt from the reservoir bottle as shown above.

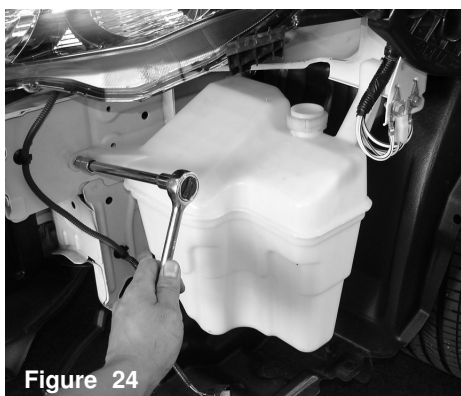


Figure 24
The last and final m6 bolt is removed from the reservoir bottle brace.



Figure 25
The reservoir bottle is temporarily removed in order to install the cold air intake.



Figure 26
The 2 1/2 straight hose is pressed over the throttle body, two power bands are placed over the over the hose. Tighten the clamp over the throttle body at this point



Figure 27

The primary intake is lowered into the engine compartment and pressed into the 2 1/2 straight hose.



Figure 28

The other end of the primary intake is lowered and pointed towards the head lamp opening.

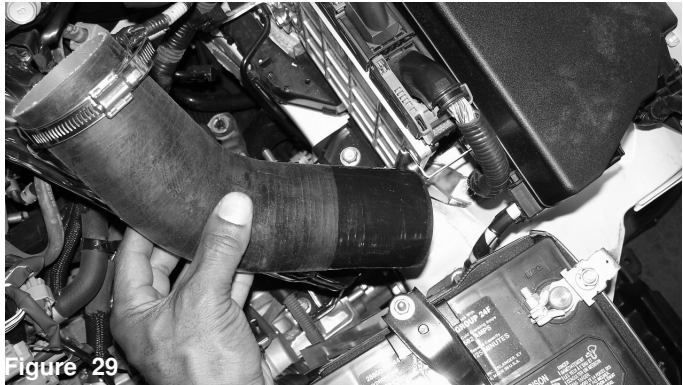


Figure 29

The 55 degree silicone hose is placed into the head lamp while the other end is pressed over the primary intake end.

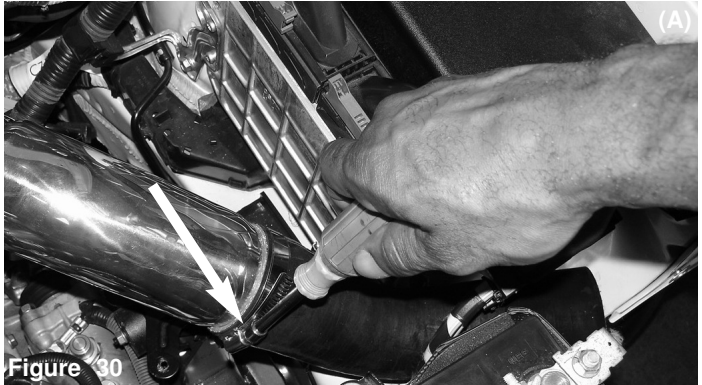


Figure 30

Once you have pressed the silicone hose over the primary intake, use one power band to fastened the silicone hose over the intake end.

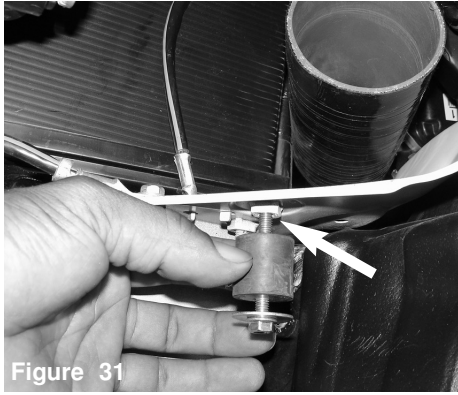


Figure 31

The vibra-mount is aligned to the crossmember brace located on the driver side corner, above the wheel well mud guard.

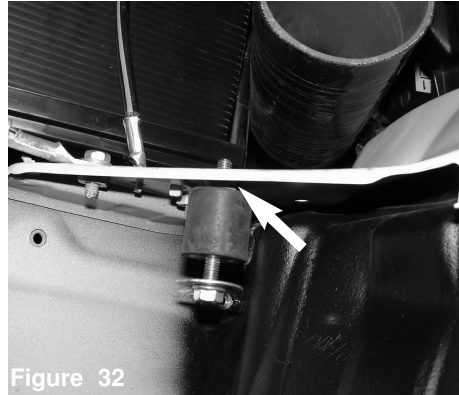


Figure 32

Note: The silicone air intake is located right above the vibra-mount. The vibra-mount is now tightened.



Figure 33

The secondary intake is inserted into the corner bumper and into the silicone hose while aligning the bracket to the vibra-mount.

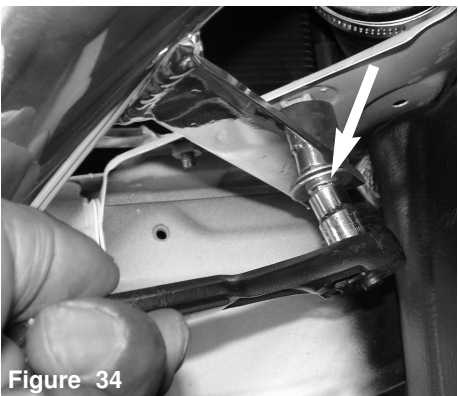


Figure 34

Once you have aligned the secondary intake to the vibra-mount, continue to tighten the m6 nut.



Figure 35

The secondary intake is now installed and secured to the vibra-mount.



Figure 36

The new filter is aligned to the end of the intake and pressed over the intake.



Figure 37

As soon as the filter stops have butted up against the filter stop, continue to tight the filter with the filter.



Figure 38

The mass air flow sensor is slowly lowered into the machined sensor adapter.

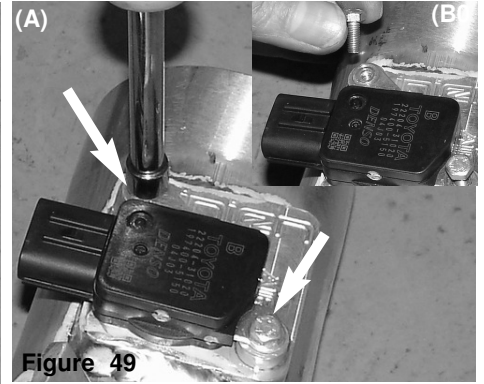


Figure 49

Once the sensor is securely in place (C), continue to use the m4 bolts in kit to fasten the sensor in place (B).

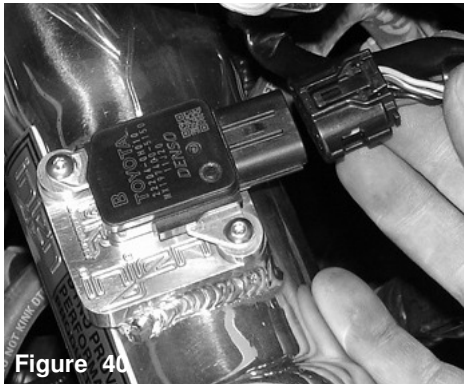


Figure 40

Press the electrical sensor harness over the mass air flow sensor until it snaps in place.

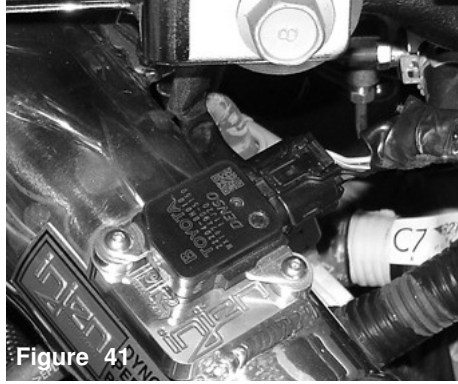


Figure 41

The mass air flow sensor is in place and the harness clip is now connected.

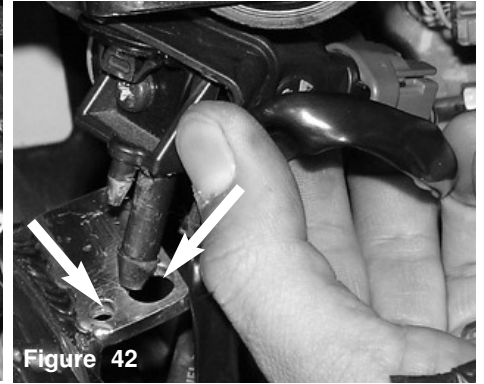


Figure 42

The vacuum switching valve stand-offs are inserted into the pre-tapped holes that are machined into the bracket



Figure 43

The crankcase hose is pressed over the intake port as shown above.

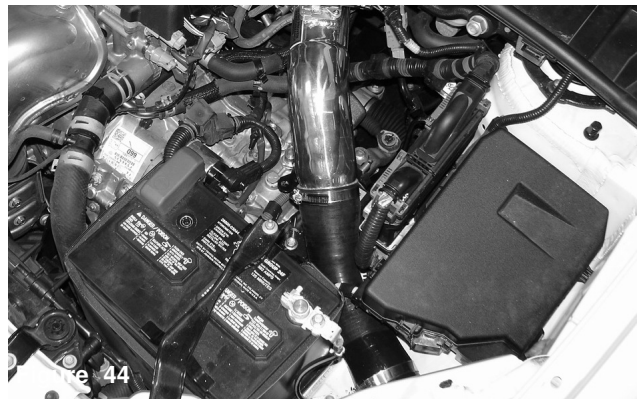


Figure 44

Periodically, check the fitment of both intake systems. Normal driving conditions may loosen nuts, bolts and clamps causing intakes to shift resulting in damage to automotive 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 (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.