

PowerFlow Box Update: New design with twist lock filter.



IMPORTANT NOTICE: InjenTechnology has re-designed and is releasing our new and improved stream-lined PowerFlow Box to provide you with new cutting edge technology and a user friendly, easier installation and removal for filter maintenance. Please see below for Twist lock installation. Please refer to original installation instructions for PowerFlow box installation. Thank you for choosing injen technology.



Figure 1

New Power flow box assembly. Twist lock filter and PowerFlow box. Box can be rotated to be either driver side or Passenger side fitment.



Figure 2

Install the provided Twist lock filter into the PowerFlow box.



Figure 3

Once the filter is seated correctly and flat, rotate the filter 1/4" turn in either direction left or right and secure. Filter has built in lock.



Figure 4

Filter is now secured in the PowerFlow air box.



Figure 5

Above is the Driver side orientation.



Figure 6

Above is the Passenger side orientation.

NOTE: Verify your filter before any cleaning maintenance! Blue media filter: Dry Air Filter, no oil required. (SuperNano Web Dry filters require no oil, these can be cleaned using a vacuum or light compressed air. Please do not clean using water or injen restore kit.) Red media filter: Factory Oiled Air Filter. (Oiled cotton gauze filters require oil, please use injen restore kit. This filter can use water or cleaning solution for maintenance.) **Please visit injen.com for filter cleaning instructions.**



Part number PF2057
2006-08 Toyota FJ 4.0L V6
Not CARB approved

- 1- MR Tech Power-flow Intake system
- 1- Twist Lock Dry Air Filter 4" (#1108BB)
- 1- **PowerFlow Box kit A(#15143)**
- 2- **Small injen Windows B(#15139)**
- 4- **Lock Washers C(#6109)**
- 1- **Power-Box mounting bracket (K) (#20079)**
- 2- **M6x10mm Stainless screw (#6083)**
- 1- 3" straight hose (#3044)
- 1- 18"- 4mm heater hose (#3104)
- 2- large Power-Band **.462** (.064) (#4006)
- 2- Power-Band **.362** (.048) (#4004)
- 1- 8mm Vibra- mount 2- 5/8" studs (#6062)
- 1- 8mm vibra-mount 3/8" x 5/8" studs (#6067)
- 3- 8mm flange nut (#6017)
- 1- 1/4" -20 oval flange nut (#8028)
- 4- 3/8" USS small washer (used on cover) (#6011)
- 1- 6 page instruction

Note: All parts and accessories are 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 Power-Flow 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 engine cover which requires cutting plastic to allow room for a larger air intake system. It is recommended that this system be installed by a professional mechanic. Be sure to disconnect the negative terminal before proceeding.

Congratulations! You have just purchased the worlds first tuned intake system.

MR Technology, Leading the way! Patent pending

POWER-FLOW: An air intake evolution Power-Box contents:



Figure 2
Loosen the two flange nuts located over the engine cover as shown above. Once you have removed both bolts, continue to remove the engine cover.

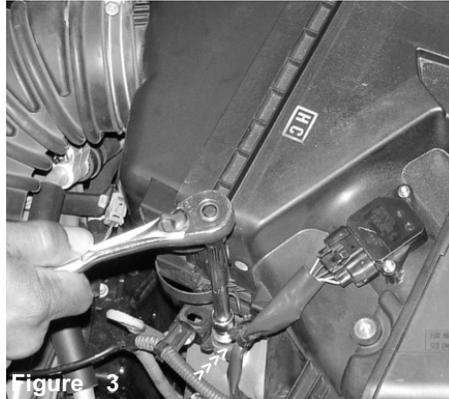


Figure 3
Unbolt the m6 bolt located on the grommet below the air box cleaner



Figure 4
Remove the second m6 bolt that fastens the air box cleaner in place.

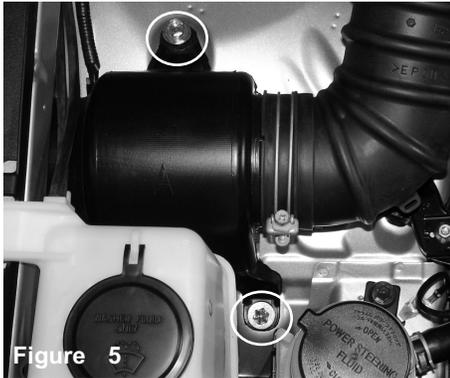


Figure 5
Loosen and remove the two m8 bolts that secures the resonator box to the fender well.

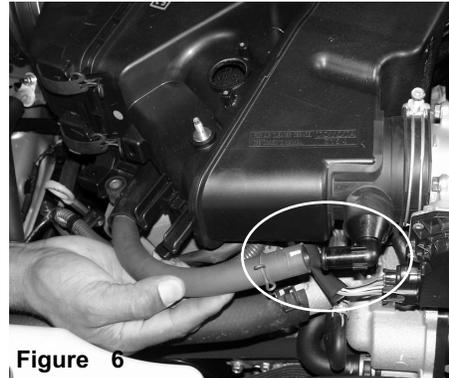


Figure 6
Unplug the crank case breather hose from the air box cleaner port as shown above.

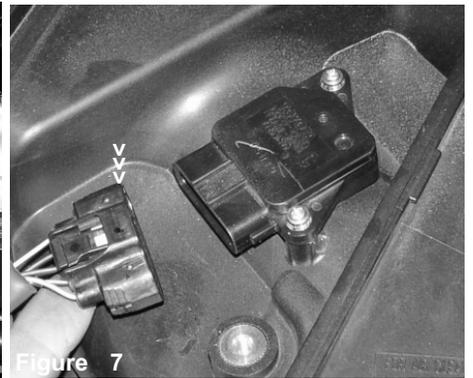


Figure 7
Unplug the electrical air sensor harness as shown above.



Figure 8
Unscrew the two bolts from the mass air flow sensor as shown above, then slowly pull the mass air flow sensor from the air box cleaner.



Figure 9
The mass air flow sensor is now lifted from the air box cleaner. The mass air flow sensor will be installed on the intake further on in the instructions.

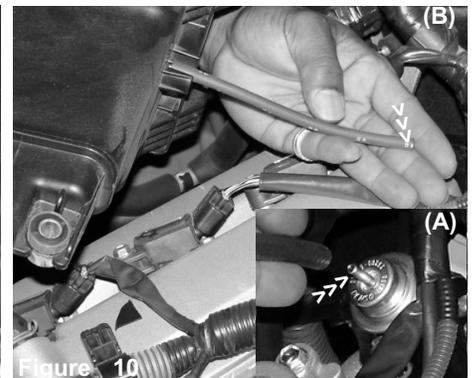


Figure 10
With all bolts loose, lift the entire air box cleaner and disconnect the 4mm vacuum hose on the fuel pressure regulator (A). The stock 4mm vacuum hose will remain on the air box cleaner (B).



Figure 11
The entire air box cleaner and resonator box is now removed from the engine compartment. The entire air cleaning unit will not be used for this installation.
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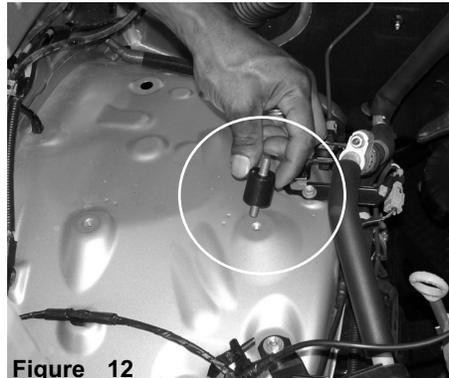


Figure 12
align the m8 vibra-mount to the pre-tapped hole located over the wheel well. For this installation, use the vibra-mount with the 3/8" stud x 5/8" stud, part#6067

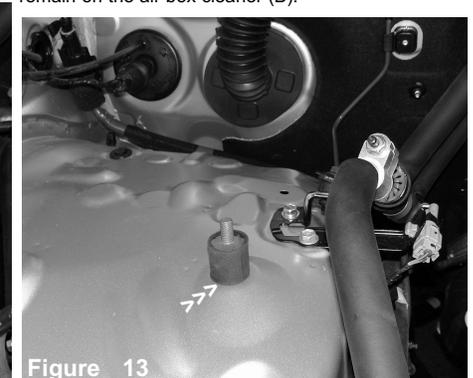


Figure 13
Screw the 3/8" side of the 8mm vibra-mount into the wheel well pre-tapped hole until the vibra-mount sits flush over the mounting point.

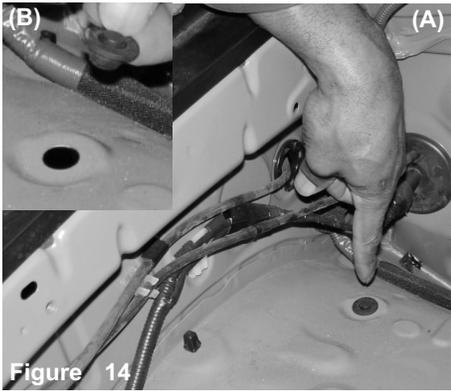


Figure 14
 Remove the small rubber plug by the firewall (A). Pull the rubber plug out (B) This is where the bracket vibra-mount will be located, further in the instructions.



Figure 15
 Press the 3" straight hose over the throttle body, install two power bands (.362) over the 3" hose and tighten the band located over the throttle body.



Figure 16
 Press the 18 inch, 4mm vacuum line over the fuel pressure regulator port.



Figure 17
 Power flow box shown above with Twist lock filter installed.



Figure 18
 Install the provided bracket with screws and secure.



Figure 19
 Bracket will be secured like above image.

Figure 26



Figure 27

The vibra-mount is lined up to the air inducer mounting bracket.

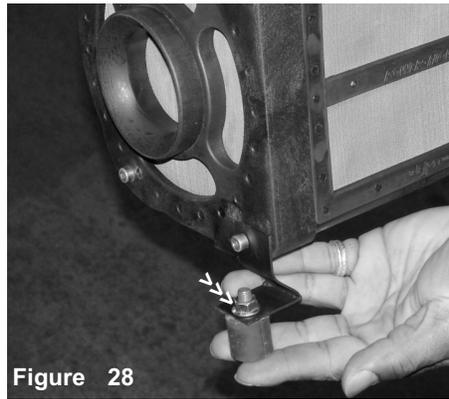


Figure 28

Use the m8 flange nut to secure the vibra-mount to the bracket as shown above.



Figure 29

Lower the power box into the engine compartment, the rear vibra-mount fastened to the bracket is now inserted into the grommet hole location.

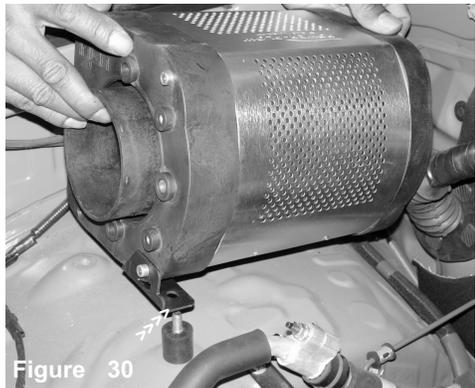


Figure 30

The rear vibra-mount is inserted into the grommet hole, now set the velocity stack bracket over the vibra-mount after the rear vibra-mount has been set in the hole.

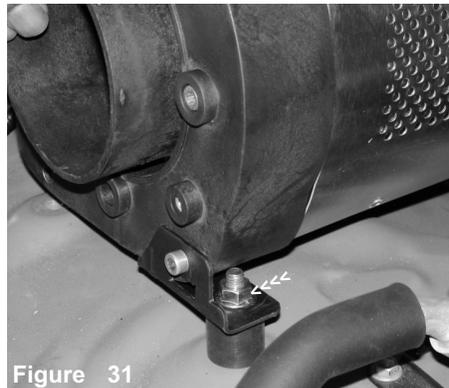


Figure 31

Once the rear vibra-mount is inserted into the rear grommet hole, use the m8 flange nut to fasten the bracket to the front vibra-mount.



Figure 32

Referring back to figure 29, the power box is set on both vibra-mounts, a fender washer and an m8 nut will secure the vibra-mount inserted under the wheel well.



Figure 33

Now that the power box has been installed, press the 4 inch straight hose over the velocity stack end. Once the 4 inch hose is in place, place two power bands (.462) over the hose and tighten the clamp on the velocity stack end.



Figure 34

Insert the three inch end of the intake into the throttle body hose (A). Once the 3" side has been positioned in the throttle body hose, continue to insert the 4" end into the power box 4 inch straight hose (B).

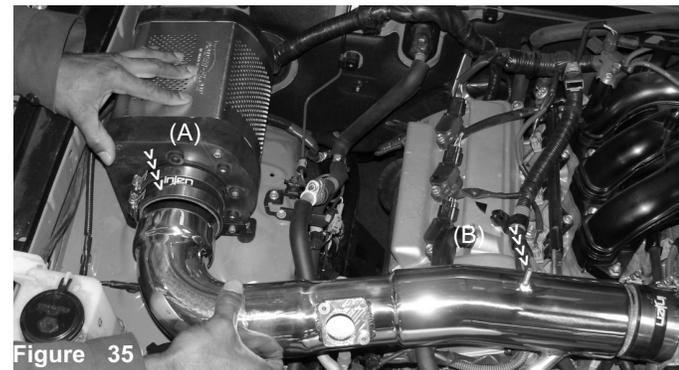


Figure 35

Now continue to insert the 4 inch intake end into the power box 4 inch straight hose as shown above (A). Note the 1/4-20 stud placed over the intake (B) the stud must be facing up because this is where the engine cover will be attached.



Figure 36

Press the 18" 4mm vacuum line installed earlier on the fuel pressure regulator (A) over the 3/16" intake port (B).



Figure 37

The stock breather hose is now aligned to the 5/8" intake firmly press the hose over the intake port.

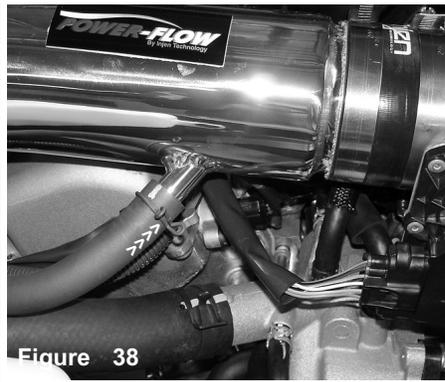


Figure 38

Once the breather hose has been properly installed over the 5/8" intake port, use the wire tension clamp to secure the breather hose in place.



Figure 39

Rub a dab of light oil around the MAFS O-ring, then insert it into the sensor adapter. Be careful not to pinch the O-ring when inserting it into adapter.



Figure 40

Use the two stock bolts to secure the MAFS to the machined sensor adapter.



Figure 41

Press the electrical sensor harness over the MAFS until you hear the two devices snap together.



Figure 42

The MAFS and electrical sensor harness have been installed correctly.

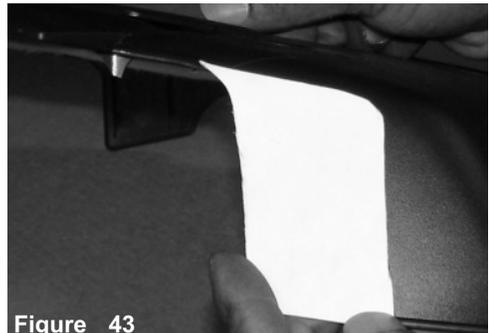


Figure 43

Take the sheet with the pattern and cut along the dotted lines. Use the pattern to place along the engine cover edge. The pattern is used as a guide to cut out a strip.

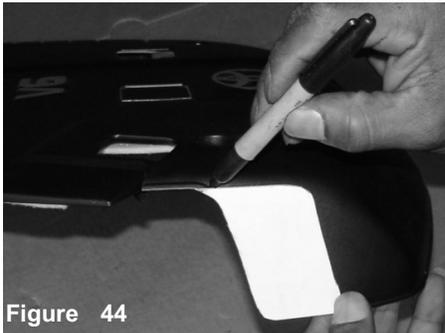


Figure 44

Place the pattern on the edge of the engine cover and use a marker to trace a line around the pattern.

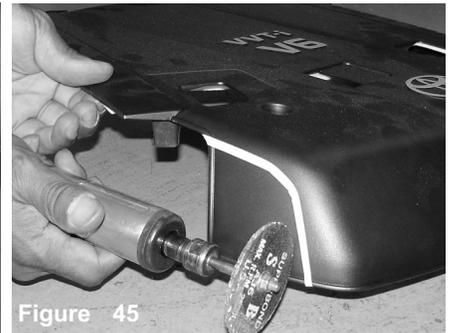


Figure 45

A grinding wheel or Dremel is recommended to make a clean cut along the line. A utility knife will also work but a file will be required to clean up the edge.

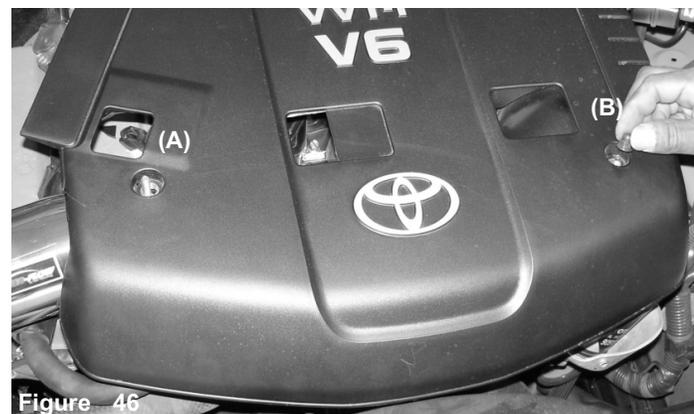


Figure 46

When the engine cover has been cut and fitted, lower the cover over the intake 1/4-20 aluminum stud(A) and intake plenum stud (B). Use one stack nut and 1/4-20 nut provided to secure the cover to the intake stud and the intake plenum stud.



Figure 47

Congratulations! You have just completed the installation of this intake system. Periodically, we recommend that you check the fitment of the intake for any shifting of the intake that may cause rattling or rubbing.

You have purchased the Worlds first tuned air intake system available anywhere. With the patent pending MR Technology Power-Flow intake system, calibrating of the MAF sensor is not required because the intake system comes tuned. Use only Injen replacement filters. The use of any other filter will change the air/fuel ratio that may cause damage to your engine.

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.