

# 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](http://injen.com) for filter cleaning instructions.**



**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.

**Part number PF2019**  
**2005-06 Toyota Tundra 4.7L V8**  
**2005-06 Toyota Sequoia 4.7L V8**  
**Not CARB approved**

- 1- MR Tech Power-flow Intake system
- 1- Twist lock filter 3.5" (#1114)
- 1- **PowerFlow Box kit** **A (#15143)**
- 2- **Small injen Windows** **B (#15139)**
- 4- **Lock Washers** **C (#6109)**
- 1- Two point mounting bracket (#20076)
- 1- 90 deg. 3 1/2" Power-Flow elbow (#3144)
- 1- 15"- 15mm heater hose (#3079)
- 1- 16"- 4mm heater hose (#3104)
- 2- Large clamps .056 (#4005)
- 2- M6X10 MM allen bolt (#6083)
- 2- 6mm Vibra- mount (#6020)
- 2- 6mm flange nut (#6002)
- 2- Fender washer (#6010)
- 1- 6 page instruction

Note: All parts and accessories are sold on-line at:

**"injenonline.com"**

**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 engine covers, air lines and removing several plastic plugs and screws that may be difficult. 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**



Figure 3

Loosen the two flange nuts on the engine cover in order to remove the cover.



Figure 4

Once the flange nuts have been removed, continue to remove the cover from the engine compartment as shown above.

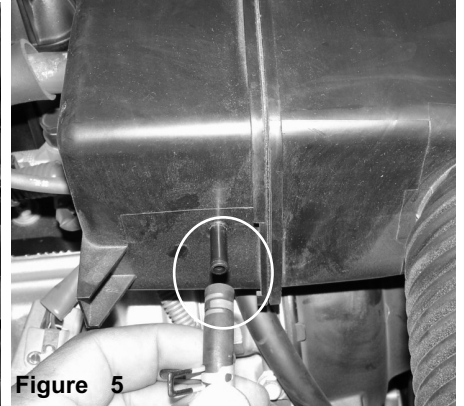


Figure 5

Disconnect the 6mm vacuum hose that will be reused later in the instructions.

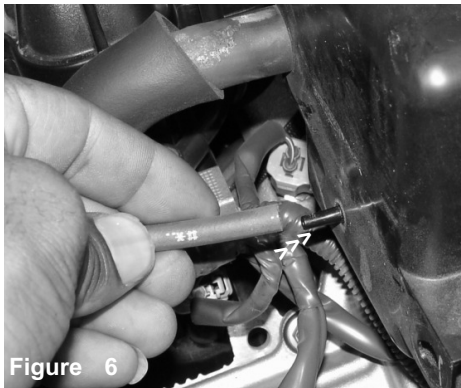


Figure 6

Disconnect the 4mm vacuum line located to the side of the air box cleaner.

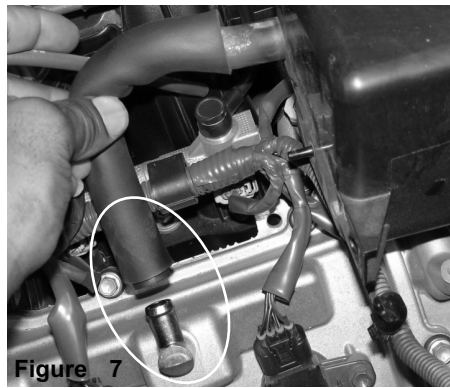


Figure 7

Unplug the crank case breather hose from the air crank case port as shown above.

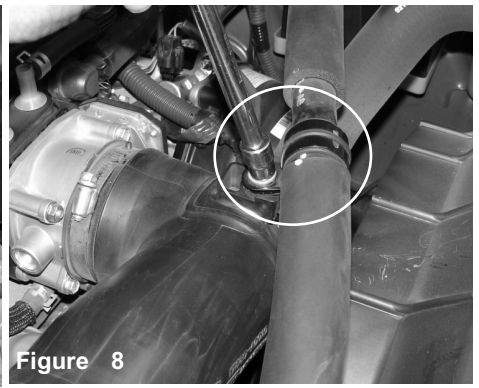


Figure 8

Unscrew the nut and bolt the hose clamp that secures the hose over the radiator.

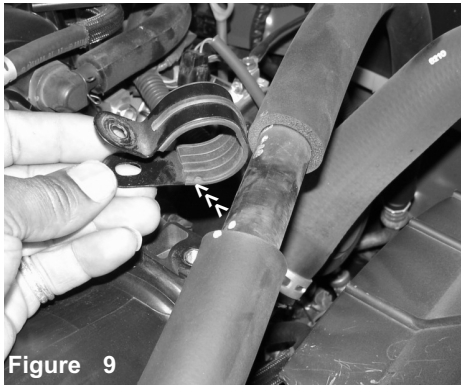


Figure 9

Once the nut and bolt have been removed, continue to remove the entire hose clamp.

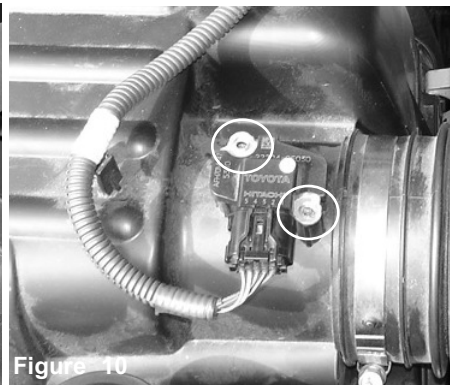


Figure 10

Unscrew the two screws from the mass air flow sensor, shown above.

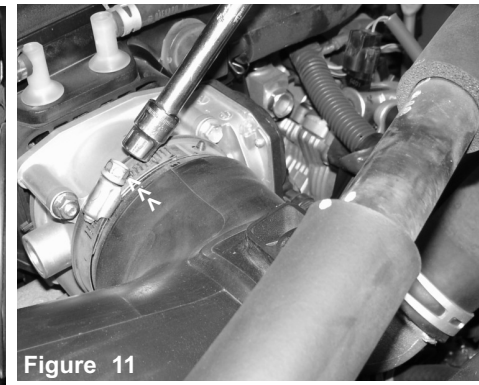


Figure 11

Loosen the hose clamp on the air duct connected to the throttle body.



Figure 12

Unplug the electrical harness clip from the mass air flow sensor as shown above.

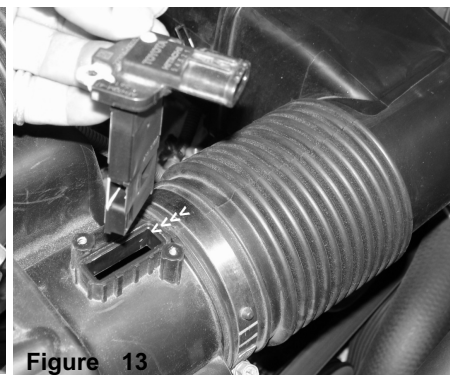


Figure 13

Carefully, remove the mass air flow sensor from the air sensor housing to be reused later in the instructions.



Figure 14

Unhook three spring clamps from the top air box cleaner. Once the hooks have been removed, continue to detach the air box top from the lower air box cleaner.

See fig. 15 for better illustration.

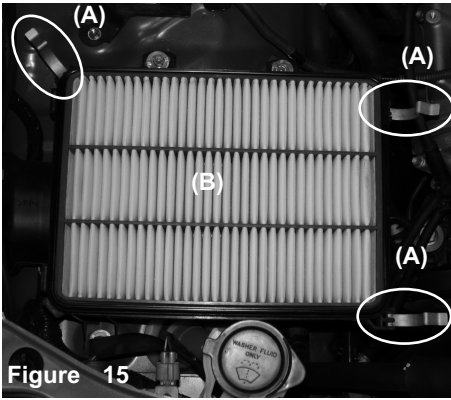


Figure 15

The three spring clamps shown above are unhooked from the top air box cleaner (A). Remove the air filter panel once the top has been removed (B).

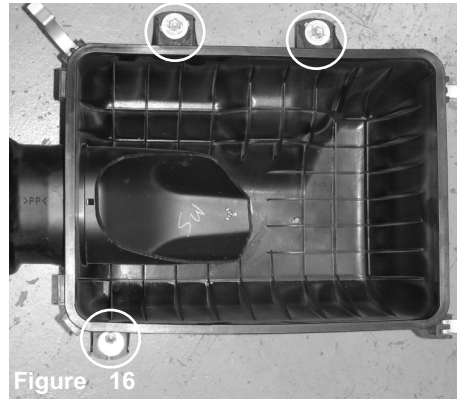


Figure 16

Once the air filter panel is removed, there are three bolts that will be removed in order to detach the lower air box cleaner.

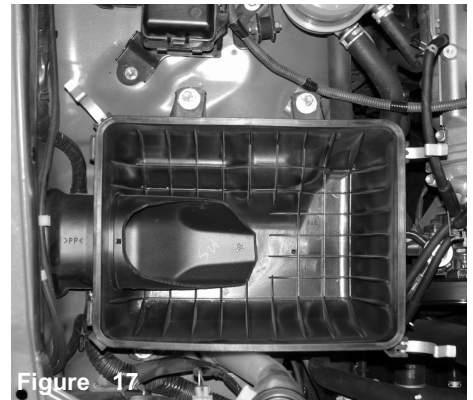


Figure 17

Remove the entire lower air box cleaner from the engine compartment.

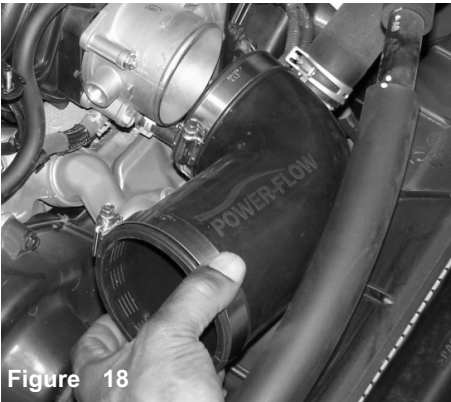


Figure 18

Place the power bands over each end of the silicone elbow. Press the short end of the silicone elbow over the throttle body.



Figure 19

Once the silicone elbow has been aligned continue to semi-tighten power band over the throttle body end.

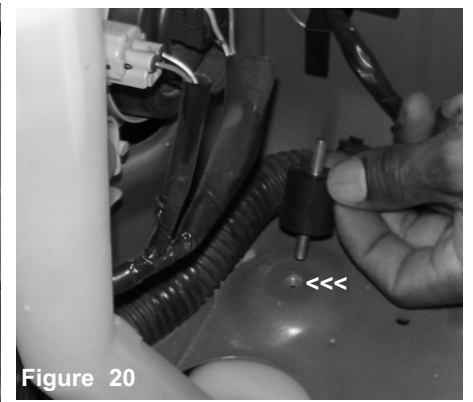


Figure 20

The first vibra-mount is aligned to the pre-tapped hole located behind the head lamp.

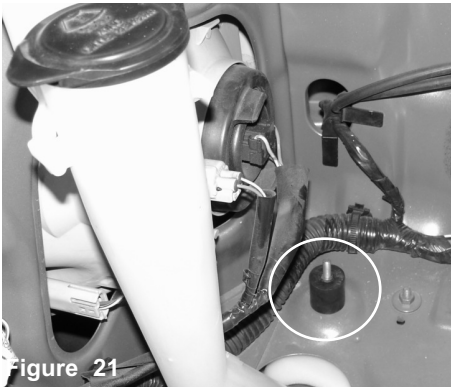


Figure 21

The first vibra-mount is now installed as shown above.



Figure 22

Screw the second vibra-mount is aligned over the wheel well bracket.

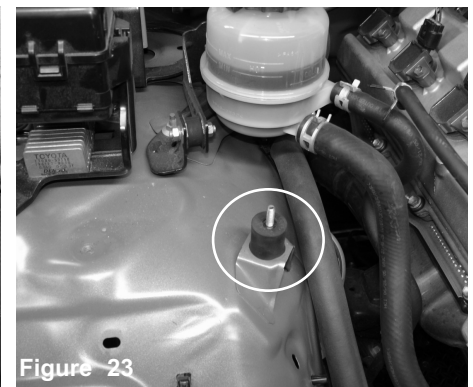


Figure 23

The second vibra-mount is now installed as shown above.

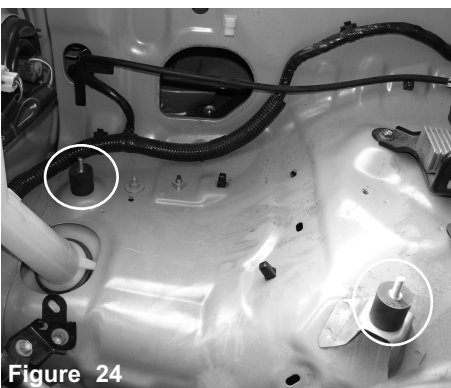
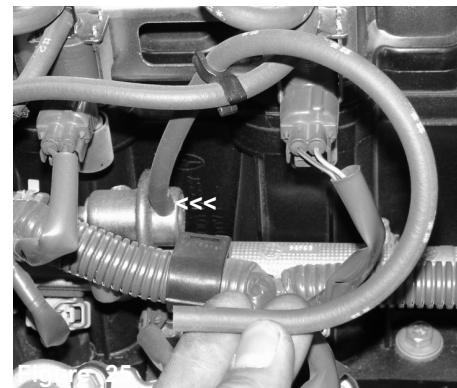


Figure 24

Both vibra-mounts are now installed, you are now ready to go on to the next step.



The stock 6mm hose is removed from the fuel pressure regulator.

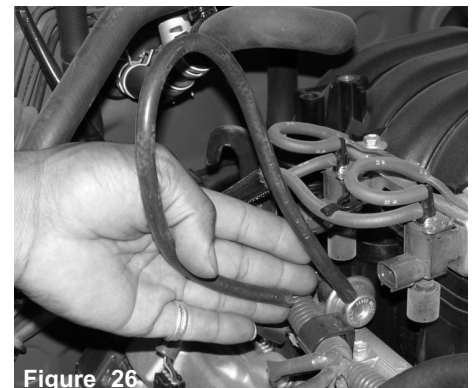


Figure 26

Press the new 16\"/>

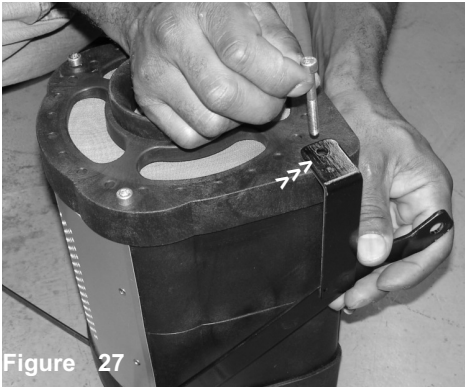


Figure 27

One 45mm bolt is removed from the top of the box. The bracket is placed under the Power box and the 45mm bolt is aligned and screwed back in place as shown above.

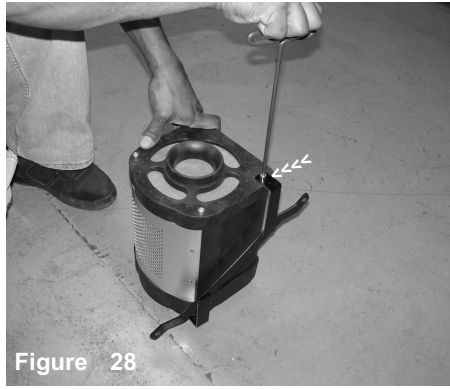


Figure 28

The 45mm bolt is tightened with an allen wrench.

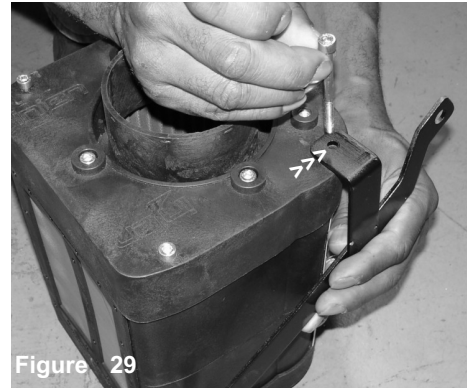


Figure 29

Remove the 65mm bolt from the velocity stack base. Align the bracket to the hole and insert the 65mm bolt back in place.

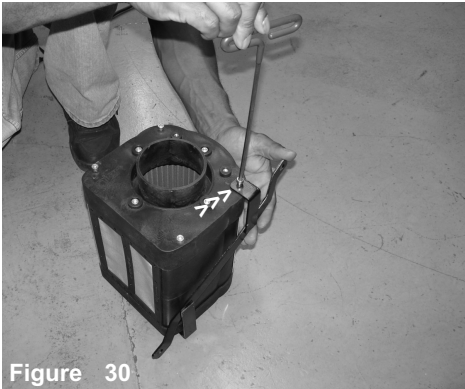


Figure 30

The 65mm bolt is tightened with an allen wrench.



Figure 31

The mounting bracket is now installed under the power box.

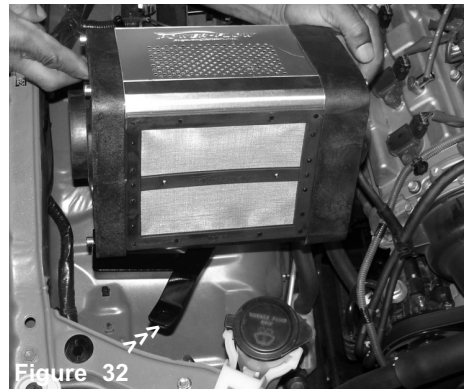


Figure 32

The assembled power box is lowered into the engine compartment. Align the mounting points on the bracket arms over the vibra-mounts.

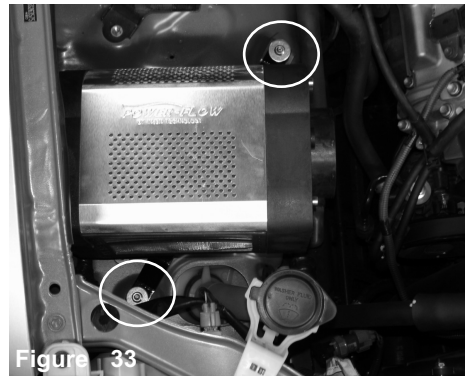


Figure 33

The Power box is now sitting flush over the vibra-mounts and a fender washer is placed over each vibra-mount.



Figure 34

An M6 flange nut is screwed over the front vibra-mount and fastened tight.

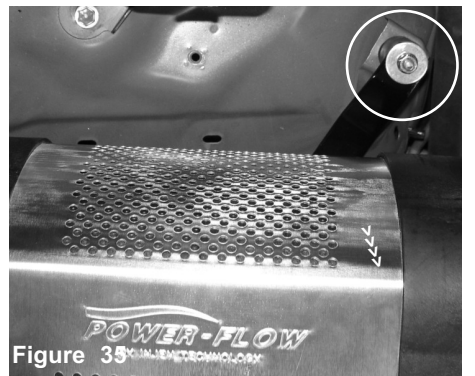


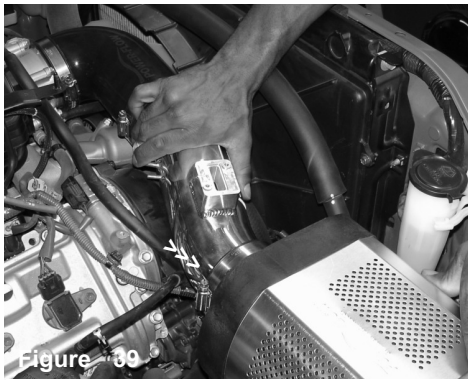
Figure 35

The last M6 flange nut is placed over the vibra-mount located behind the Power box.



Figure 36

Insert the intake end with the vacuum ports into the 3 1/2" silicone as shown above.



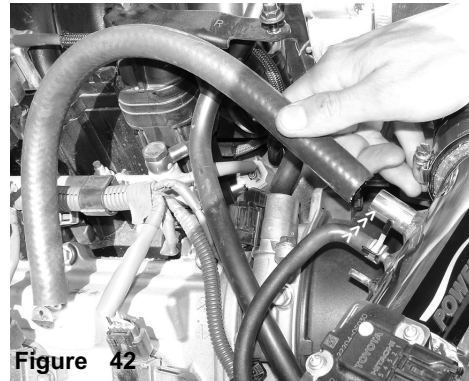
**Figure 39**  
Once you inserted the throttle body end into the 90 degree elbow, insert the other end into the step hose located on the Power box.



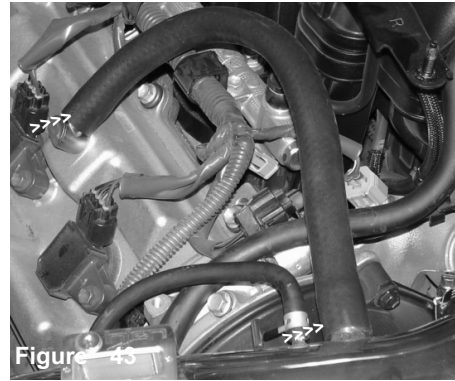
**Figure 40**  
Press the stock 6mm hose over the center 3/8" intake port. Use the stock hose clamp to secure the line.



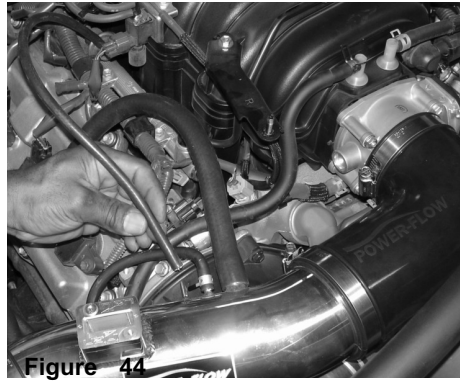
**Figure 41**  
Press the 15"-15mm hose over the crank case breather port



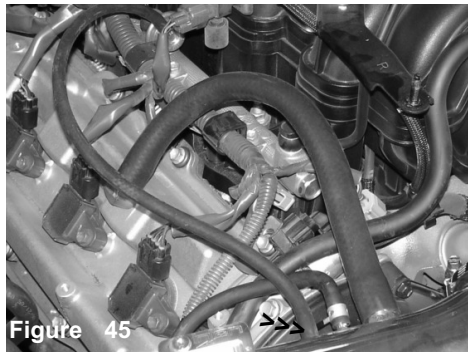
**Figure 42**  
Press the other end over the 5/8" intake port



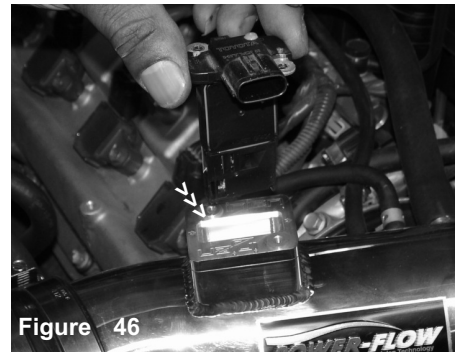
**Figure 43**  
The 15"-15mm breather hose is now installed on both ends as shown above.



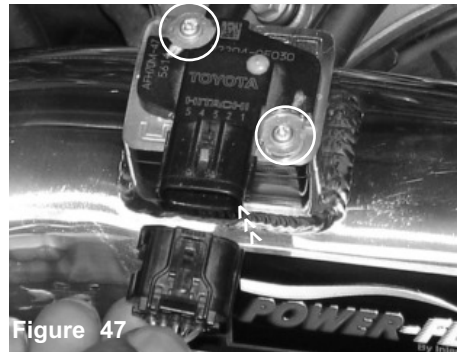
**Figure 44**  
The fuel pressure vacuum line is pressed over the 3/16" intake port as shown above



**Figure 45**  
The 16"-4mm fuel pressure vacuum hose is now installed.



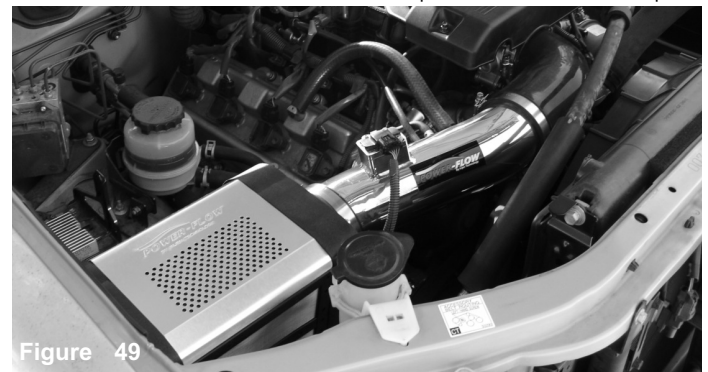
**Figure 46**  
The mass air flow sensor is carefully lowered into the machined intake adapter.



**Figure 47**  
The stock screws are used to fasten the mass air flow sensor to the machined intake adapter. Press the electrical harness clip into the MAFS until its snaps.



**Figure 48**  
Align the engine cover to the intake bolt while lowering the cover over the intake. Use the 1/4-20 oval flange nut to fasten the cover to the intake threaded bolt. The engine cover will fit snug over the intake as shown above.



**Figure 49**  
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 intake system available anywhere. The Power-Flow intake system features Injen's patent pending MR Technology used to tune the intake and Power-Flow box. With Power-Flow, calibrating of the MAF sensor is not required because the intake system comes tuned for use. Use only Injen replacement filters. The use of any other filter will change the air/fuel ratio that can 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](http://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.