

# 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.**



**“The World’s First Tuned air Intake System!”**  
Factory safe air/fuel ratio’s for Optimum performance  
Injens tuning process covered by three U.S. Patents

**Part number PF5002**  
**2007-11 Jeep Wrangler**  
**3.7L V6**

- 1- MR Tech Power-Flow intake system
- 1- Twist Lock Dry Air Filter 3.75” (#1109)
- 1- **PowerFlow Box kit** **A(#15143)**
- 2- Small injen Windows** **B(#15139)**
- 4- Lock Washers** **C(#6109)**
- 1- **Mounting bracket** **(#20090)**
- 1- sensor grommet **(#8002)**
- 2- m6 x 10mm socket head **(#6083)**
- 1- 2 3/4” straight hose **(#3043)**
- 2- Power-bands (.312) .040 **(#4003)**
- 1- 4 page instruction

Note: All parts and accessories are now sold on-line at:  
**“injenonline.com”**

Note: The C.A.R.B. Exempt sticker must be attached under the hood in a manner such that it is easily viewed by an emissions inspector.

**Congratulations! You have just purchased the best engineered, dyno-proven 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

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

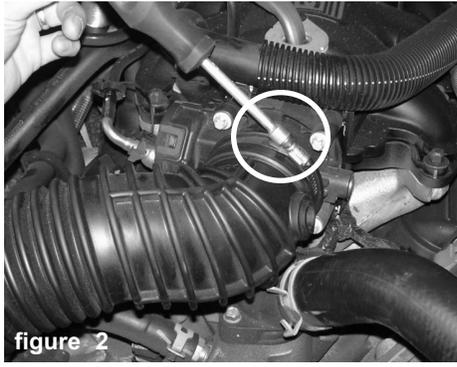
MR Technology Step down process:

- 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 Inserts  
Published and patent pending

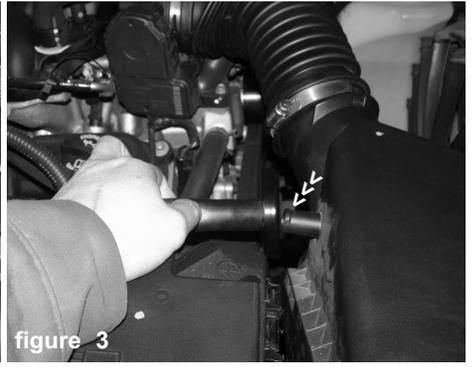
**Note: Injen strongly recommends that this system be installed by a professional mechanic.**



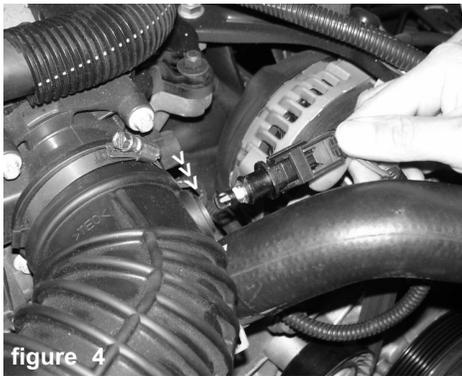
**figure 1**  
Stock air box and air duct to be removed.



**figure 2**  
Loosen the metal clamp that secures the air duct to the throttle body.



**figure 3**  
Unplug the crank case breather hose from the air box vacuum port.



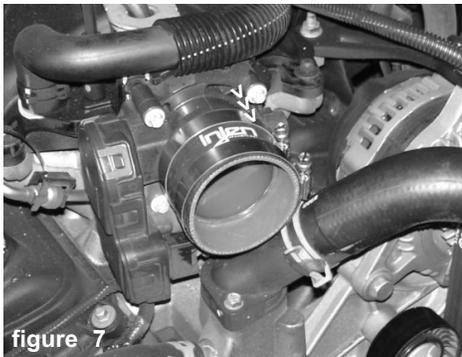
**figure 4**  
Unplug the air temperature sensor from the air intake duct.



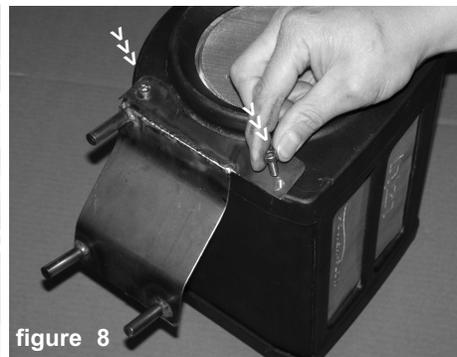
**figure 5**  
Pull the air box cleaner up and out of the stock grommets.



**figure 6**  
Pull the air duct away from the throttle body and out of the engine compartment.



**figure 7**  
Press the 2 3/4" straight hose over the throttle body and use two power clamps. Once the straight hose has been aligned, continue to tighten the clamp over the throttle body.



**figure 8**  
The new mounting bracket is aligned to the two bolt holes as shown above. The bracket is placed towards the front of the power box. The two m6 bolts provided in this kit are used to fasten the bracket



**figure 9**  
Use an allen wrench to tighten the allen head bolts.



**figure 10**  
Once the bracket has been installed, continue to lower the entire power box in the the engine compartment. The three metal pegs are aligned to the stock grommets and plugged into the grommets.  
**Page 2 of Part# PF5002**



**figure 11**  
The three metal pegs are aligned and pressed into the stock grommets. The 3 3/4" straight hose is pressed over the the velocity stack. Two power bands are used on the hose. The clamp on the velocity stack is now tightened.



**figure 12**  
The air intake is now lowered into the engine compartment, the upper end is pressed into hose on the throttle body.



figure 13

The upper end of the intake is aligned and pressed into the straight hose. The lower end is now aligned to the power box.



figure 14

The lower end of the intake is now pressed into the 3/4" hose on the power box.



figure 15

The lower end of the intake is now aligned to the straight hose. The clamps are now semi-tightened for now.



figure 16

The sensor grommet is aligned to the 3/4" pre-drilled hole located on the air intake.



figure 17

The grommet is pressed into the 3/4" hole until the top grommet is sitting flush to the intake contour.



figure 18

The air temperature sensor is pressed into the new sensor grommet.



figure 19

The air temperature sensor is sitting flush over the new grommet.



figure 20

The crank case breather hose is aligned and pressed over the air intake vacuum port.



figure 21

The crank case breather hose is now firmly pressed over the air intake vacuum port.



figure 22

The entire intake system is aligned for best fit. Once it has been aligned, continue to tighten the clamps.



figure 23

The throttle body clamps are now tightened.



figure 24

All vacuum lines, sensor and hoses are now properly installed.



figure 25  
Check the entire air intake system for any air leaks, rattling or any loose clamps and hoses before starting the engine. Once you have checked the entire system, start the engine and let it idle for 5 to 10 minutes. Allow the on-board computer to adjust to the added volume of air prior to driving.



figure 26  
Periodically, check the entire air intake system for any possible movement. Normal wear and tear can cause clamps and hoses to loosen over time, periodic adjustments to the intake system will enhance the life of your intake and prevent your warranty to become null and void.

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.