

# 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.**



**Part number PF5003**

**2012-2018 Jeep Wrangler JK**

**V6 3.6L**

- 1- 1 piece MR Tech 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- 3 1/2"-3 1/4" step hose (#3140)
- 1- Power-bands (.048) (#4004)
- 1- Power-bands (.056) (#4005)
- 2- M6x10mm allen screws (#6083)
- 1- Temp sensor Grommet (#8002)
- 2- Black zip ties (#8014)
- 4 page instruction

This MR Tech Tuned intake system is designed to be used with original Injen parts.

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



**“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**

**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.**

**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 2 Complete stock air intake cleaner and air intake duct.



Figure 3 Lift up and detach the engine cover from the engine

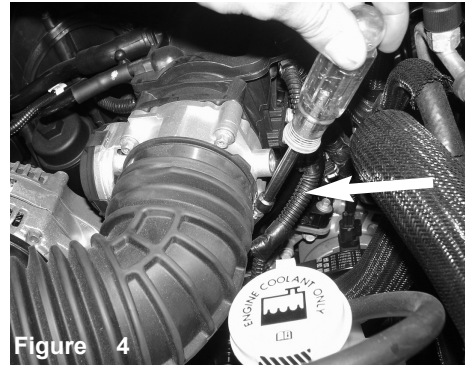


Figure 4 Loosen the clamp on the throttle body using 8mm nut driver.



Figure 5 Loosen the clamp on the air box using 8mm nut driver.

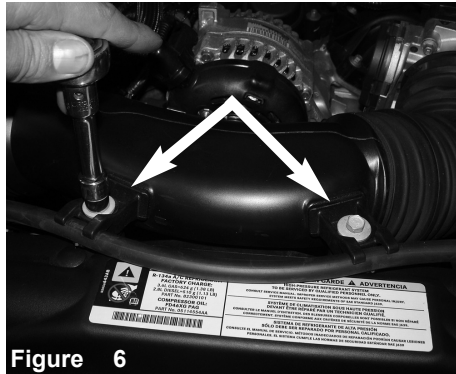


Figure 6 Loosen the 2 bolts holding in the stock intake tube using 10mm socket and ratchet.

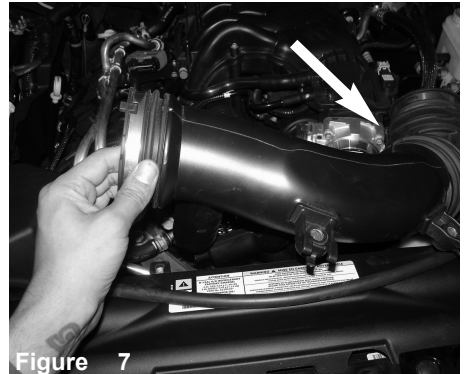


Figure 7 Carefully pull of the intake tube. **Note: Temp harness still connected. See next step.**

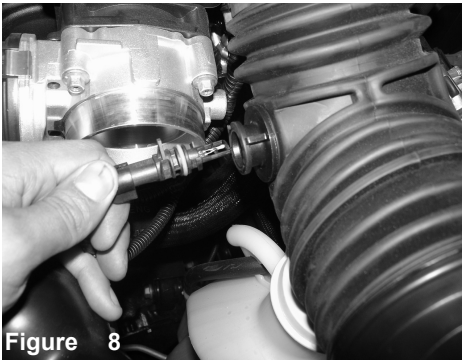


Figure 8 Carefully turn and remove the temp sensor.



Figure 9 Pull back the crank case line from air box fitting.



Figure 10 Lift up and remove the stock air box out of vehicle.



Figure 12 Now install the step hose with clamps provided to the throttle body. Tighten the clamp on the throttle body using 8mm nut driver.

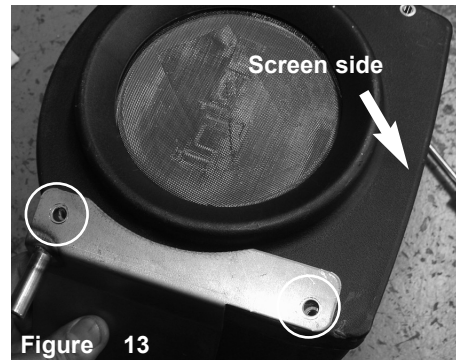


Figure 13 Now attach the bracket to the front of the powerflow box. It will only fit one position. **Note: Keep the filter screen positioned to the side.**

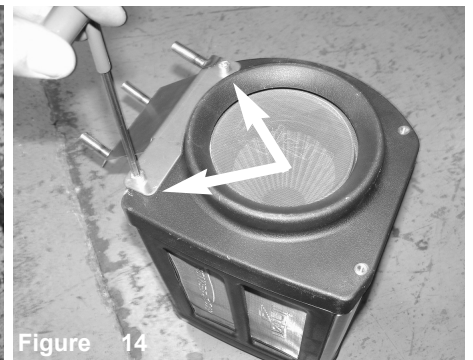


Figure 14 Now secure the bracket using provided M6 allen screws. Tighten using 6mm key.

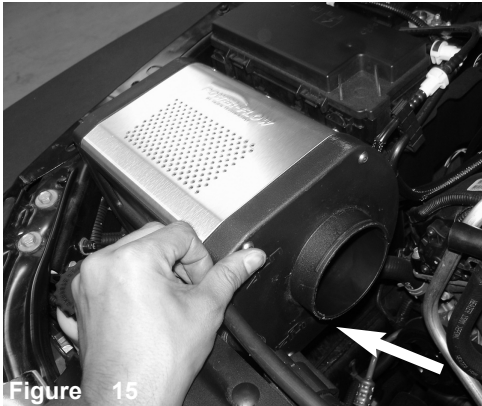


Figure 15

Install the power flow box assembly into the vehicle and position the fittings on the bracket to the factory grommets.

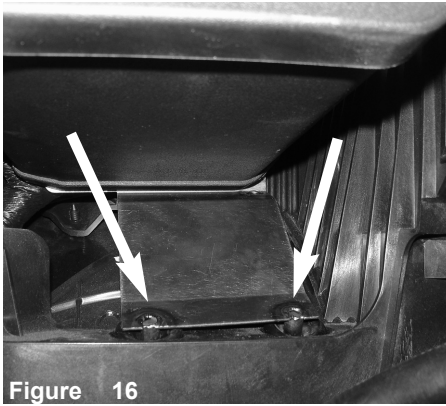


Figure 16

Now, make sure the fittings seat in the grommets.

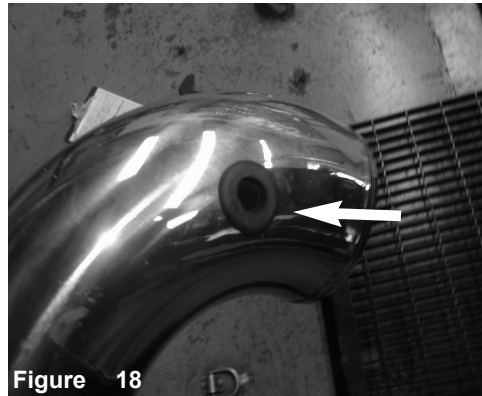


Figure 18

Install the grommet to the hole on the intake tube. This will be used for the temperature sensor.

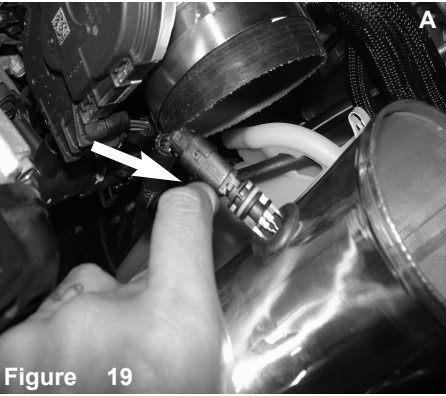


Figure 19

Install the intake tube and position to the throttle body and powerflow box. Install the temperature sensor inside the grommet and secure. **Make sure the harness is connected.**

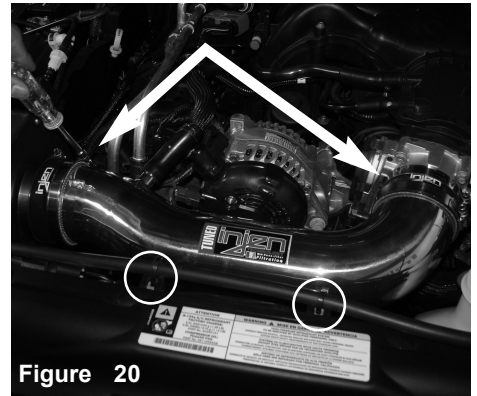


Figure 20

Position for the best fit and tighten all clamps using 8mm nut driver. Secure the coolant line using provided zip ties.



Figure 21

Connect the crank case line to the fitting on the intake tube. Re-install the cover.



Figure 22

Align the entire intake for the best possible fit. Once you have rechecked and cleared the intake from all moving parts, continue to tighten all nuts, bolts and clamps.

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.