



**Part number PF9017**

**1997-04 Ford Expedition 4.6L, 5.4L V8**

**2000-01 HARLEY DAVIDSON 5.4L V8**

**2004 Ford F-150 Heritage 4.6L V8**

**2005-2006 Ford F-150 4.6L V8**

**1997-2003 Ford F-150 5.4L V8**

- 1- MR Tech Power-Flow intake system
- 1- Web/nano fiber dry filter (#1022)**
- 1- Heat shield (#11073)**
- 1- 3" connecting straight hose (#3044)
- 1- 4" hump hose (#3168)
- 1- 4" filter adaptor (#6045)
- 4- M6 button head screws (#6083)
- 1- 1525 Sensor grommet (#6014)
- 1- 22" long 17mm hose (#3080)
- ( for 1997-2004 cut to 2-1/2" L only! )**
- 1- 2" long 15mm hose (#3079)
- 1- T-20 Torx bit (#6021)
- 1- Rubber trim @ 12" Long (#6058)
- 2- molded stand-off (#15023)
- 2- fender washer (#6010)
- 2- m6 nut (#6002)
- 2- Power-bands (.462) .064 (#4006)
- 2- Power-bands (.362) .048 (#4004)
- 1- Vinyl 5/8" cap (04-06 4.6L only) (#8023)
- 1- Grommet plug(04-06 4.6L only) (#6015)
- 1- 4 page Instruction

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 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"**

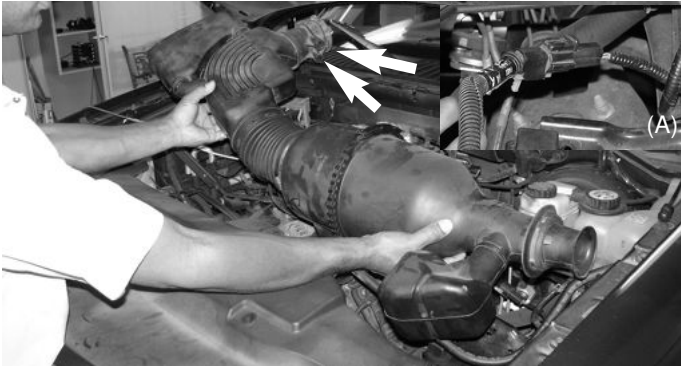
Note: The installation of this cold air intake does require mechanical skills. Removal of the front bumper requires loosening and removing several plastic plugs and screws that may be difficult. It is recommended that this system be installed by a professional mechanic. Be sure to disconnect the negative terminal before proceeding.

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

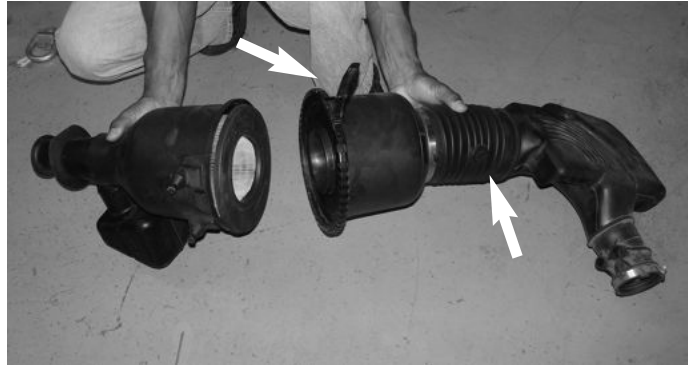
**MR Technology, An air intake evolution!**

Patent pending





Loosen clamp on the throttle body and disconnect the two vacuum lines on the air box near the throttle body then unclip harness (A) in order to removed the entire air intake box assembly. Now carefully remove air intake duct and air box from the engine compartment.



Loosen the V-clamp around air box and separate the two halves. Remove the Air Temperature sensor from the stock intake.



Remove the MAF sensor housing from the air intake box as shown above.



Using the T-20 torx bit in this kit remove the screws holding the MAF sensor to the plastic housing.



Insert the MAF sensor in into the machined MAF sensor adapter welded to the tuned intake.



Insert the 1525 sensor grommet into the pre-drilled hole until the grommet groove is flush to the hole Inner diameter (A). Use the stock screws to fasten the MAF sensor to the machined adapter (B).



Remove plug from the air intake box (A) and remove the entire harness assembly in one piece.



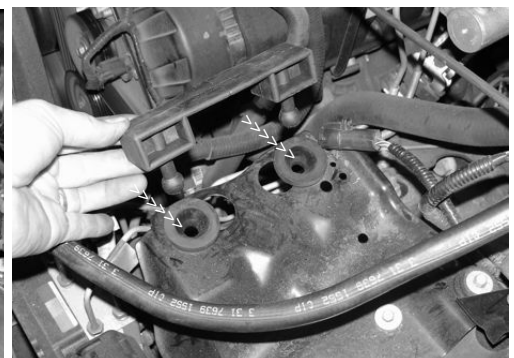
Reconnect the harness assembly to the female end of the main harness.



Press the 3" straight hose over the throttle body and use two clamps. Tighten the clamp on the throttle body side for now.



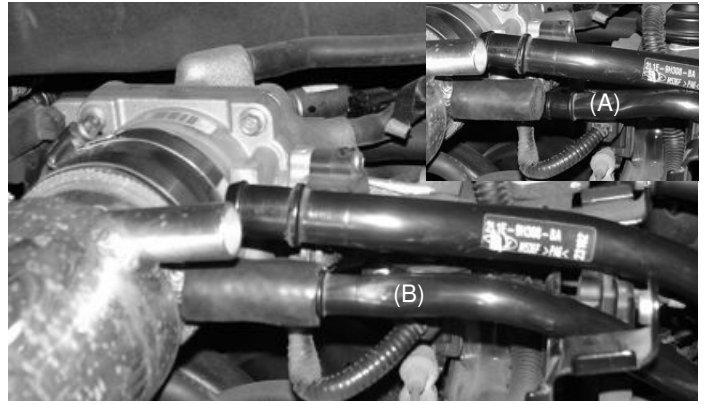
Place the clamping mechanisms right side up. This will keep the mechanism from hanging up to the cable pulley which could cause damage to yourself and others.



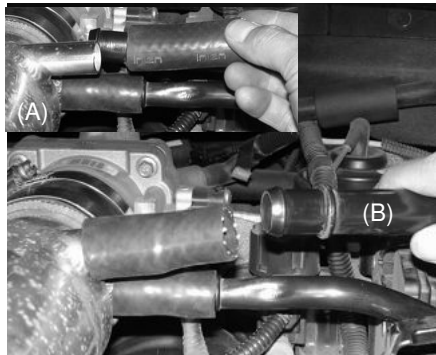
The stock grommets will be reused with this intake unit. The rubber prongs on the bridge will be inserted into the plungers. **The bridge will go onto the box first to be used later in the instructions.**



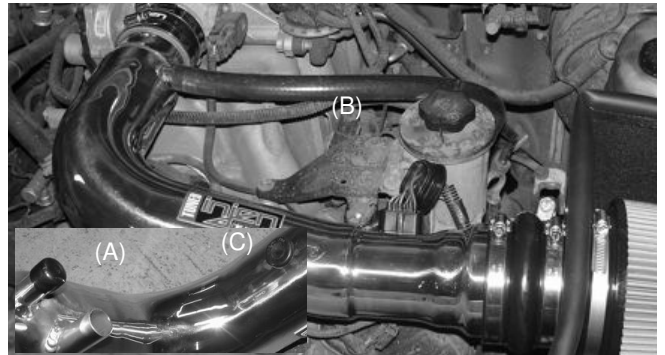
Take the Tuned intake and press the 3" side into the hose on the throttle body. Do not over tighten the clamp on the hose until the installation is complete.



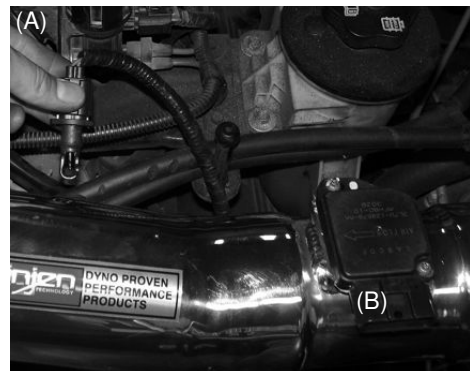
Press the 2" 15mm hose over the 5/8" port on the intake (A). Insert smaller hard pipe into the 15mm hose as shown above (B).



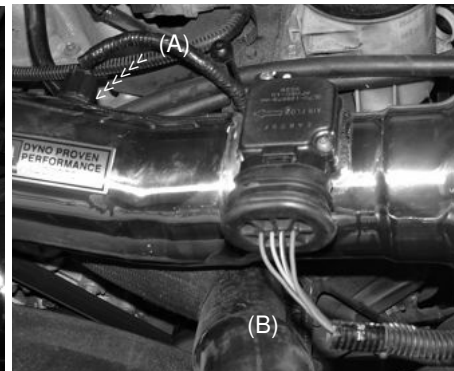
Cut the 22" long 17mm hose to 2-1/2" length if vehicle requires shorter hose length. Press the 2 1/2" long 17mm hose over the 3/4" port on intake (A). Insert the larger hard pipe into the the 17mm hose as shown above (B).



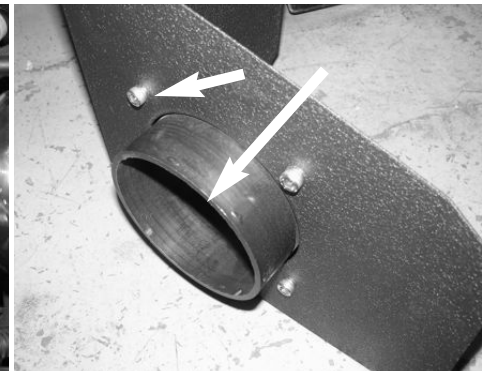
For trucks equipped with only the crank case line, use provided 5/8" vinyl cap and attach to the 5/8" fitting (A). With 22" Long 17mm hose attach to the intake and the engine, do not cut (B). **If equipped with no temp sensor, use provided grommet plug and secure hole (C).**



If equipped with temp sensor use provided grommet and secure to the hole on tube, install temp sensor (A). Re-check the screws used to fasten the MAF sensor to the sensor adaptor (B).



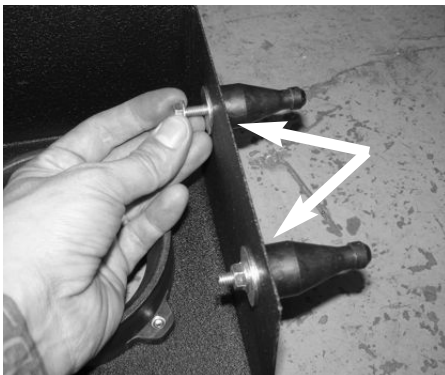
The air temperature sensor is fully inserted into the grommet (A). Take the harness and press it into the MAF sensor until it snaps in place.



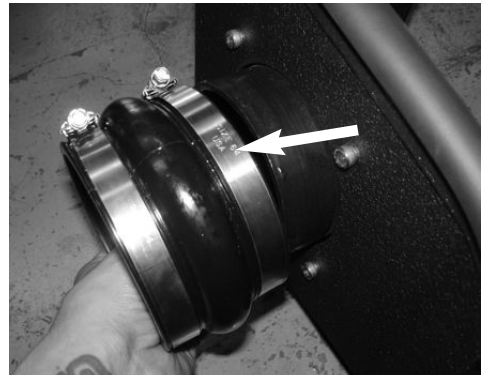
Install the 4" adaptor to the inside of the heat shield. Secure the adaptor using the 4 provided M6 screws. Tighten using 6mm allen key.



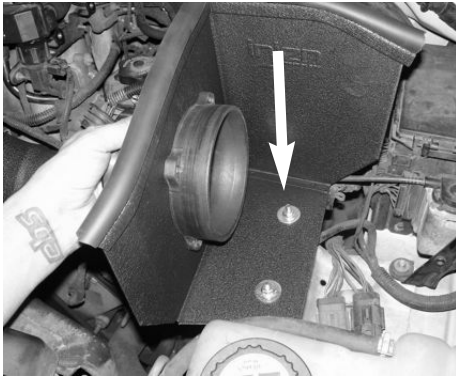
Attach the trim seal to the top of the heat shield.



Secure the stand of studs to the bottom of the heat shield. Tighten the studs using provided M6 nuts and washers. Apply to the 2nd set of holes closes to the edge of the heat shield.



Attach the hump hose with clamps provided to the adaptor and secure.



Install the heat shield assembly into the vehicle and position the stand off studs to the grommets.



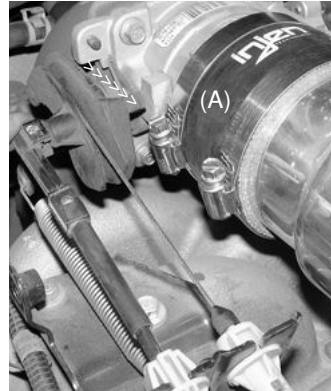
Secure the stand off studs and make sure that they are seated completely.



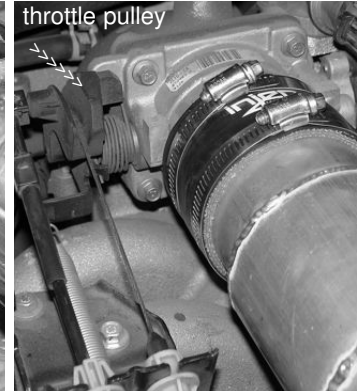
Connect the the tube and the hose, position for the best fit and tighten the clamps using 8mm nut driver.



Install the air filter and tighten using 8mm nut driver. re-install the engine cover.



**Extremely important**  
**DO NOT PLACE CLAMP MECHANISM TO THE SIDE (A).** Clamp mechanism will obstruct throttle pulley function that will cause accelerator to malfunction.



**The clamping mechanism is in the correct position away from throttle pulley.**



**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 tube comes pre-calibrated for you.**

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.