



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

Part number PF9065
2009-12 Ford Flex
3.5L V6
(Excludes models equipped
Ecoboost Engine)

1-intake tube
 1-3.5" Webb/Nano fiber dry Filter (#1015BB)
 1-3 1/8" straight hose (#3054)
 2-#48 clamp (#4004)
 1-M6 short/long vibra mount (#6029)
 1-Fender washer (#6010)
 1-M6 nut (#6002)
 2-M4X10 (#6047)
 1-4 page instruction

Note: All parts and accessories now sold on-line at :
www.injenonline.com

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 244Pioneer 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: Injen strongly recommends that this system be installed by a professional mechanic.

MR Technology

"The World's First Tuned air Intake System!"

Factory safe air/fuel ratio's for Optimum performance Patent# 7,359,795

Now equipped with "Air Fusion" Patent pending

"At Injen Technology, we didn't copy the step down process, we invented it!"



Figure 1

Figure 2



Stock air box shown in this picture



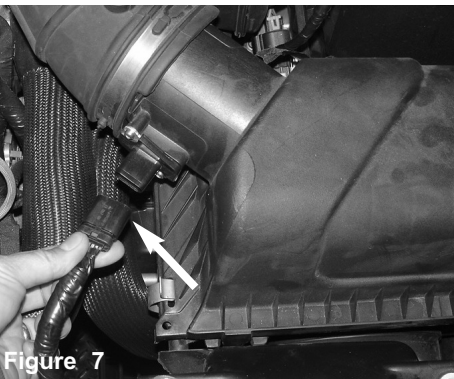
Use a 8mm nut driver and loosen the clamp on the factory air duct located on the throttle body



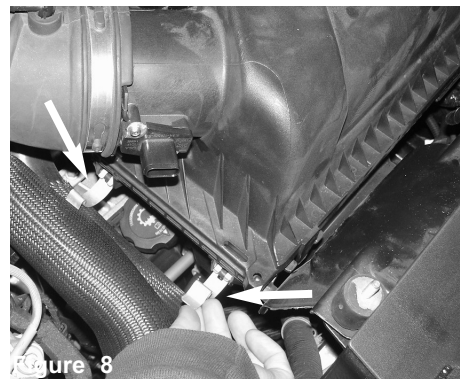
Detach the brake booster vacuum line from the top of the factory air duct



Pull the release tab on the left vacuum line located on the factory air duct to detach it from the fitting on the air duct



Disconnect the MAF sensor harness from the MAF sensor located on the top factory air box assembly.



Unlatch the two retaining clips located on the left side of the air box assembly.

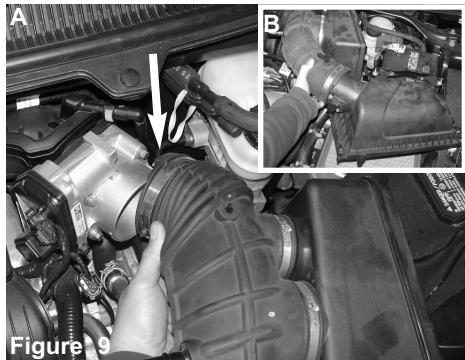


Figure A: Detach the air duct from the throttle body.
Figure B: Now remove the entire upper portion of the air box assembly

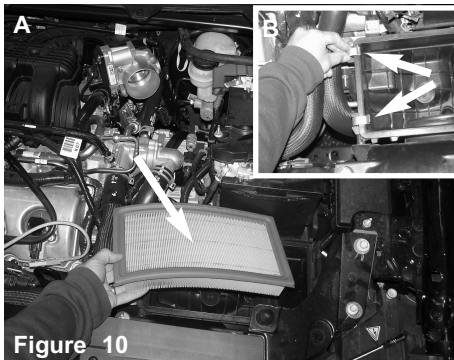


Figure A: Remove the factory filter panel from the lower portion of the air box assembly. **Figure B:** Flip the two retaining clips from figure 8 inwards to secure them. The lower air box assembly will be retained

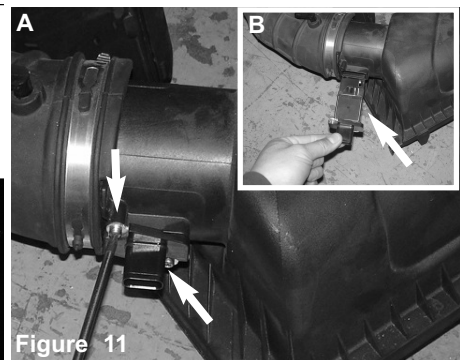
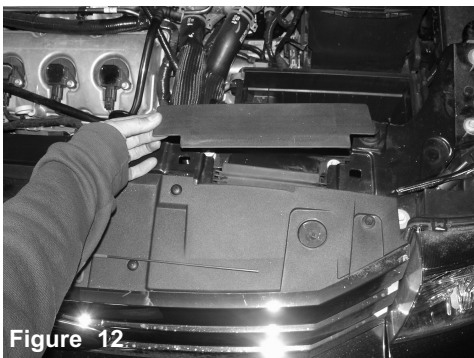
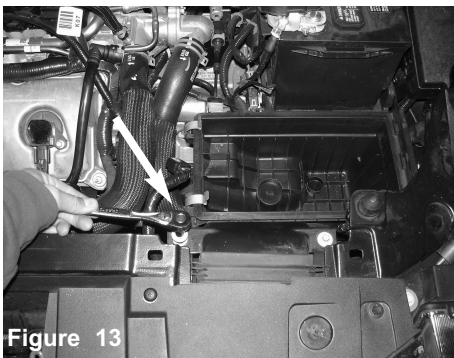


Figure A: Use a Torx driver to remove the two screws from the MAF sensor located on the upper air box assembly. **Figure B:** Remove the MAF sensor from the upper air box housing.



Lift up and remove the air scoop cover located on top of the radiator support



With the air scoop cover removed, you may now remove the left 10mm air scoop bolt

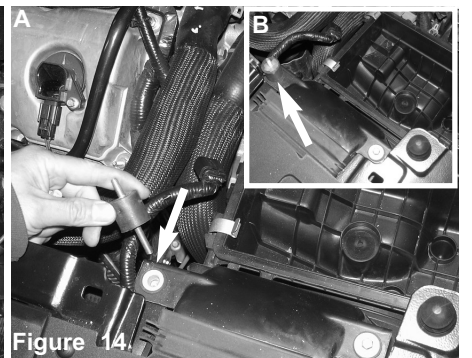


Figure A: Place the long ended stud of the vibra mount into the same hole the 10mm bolt was removed from. **Figure B:** Vibra mount shown mounted in place.



Figure 15

Place the 3 1/8" straight hose and two clamps onto the throttle body. Use a 8mm nut driver and secure the throttle body clamp only for now.

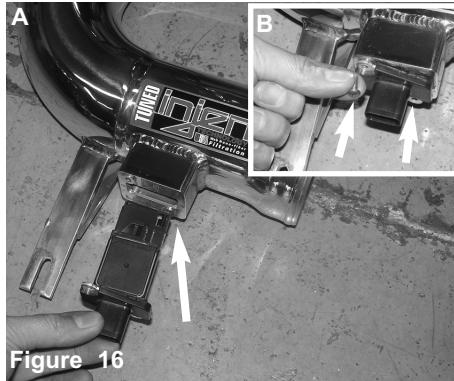


Figure 16

Figure A: Place the MAF sensor into the welded flange on the Injen intake pipe. **Figure B:** Place two M4 bolts onto the MAF sensor .

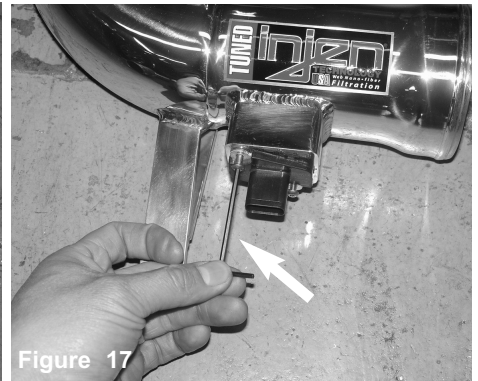


Figure 17

Use a 2.5mm allen wrench and secure the M4 bolts to the MAF sensor

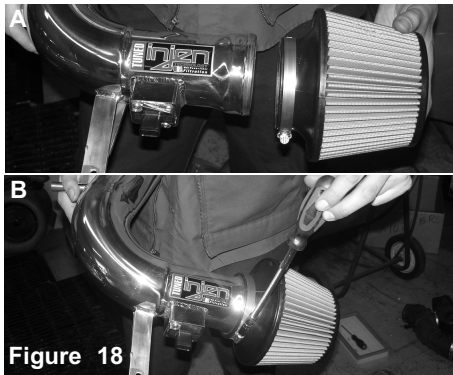


Figure 18

Figure A: Place the filter onto the end of the pipe.
Figure B: Secure the clamp to the filter



Figure 19

Position the intake pipe into the engine bay. Align the intake tube into the throttle body hose.

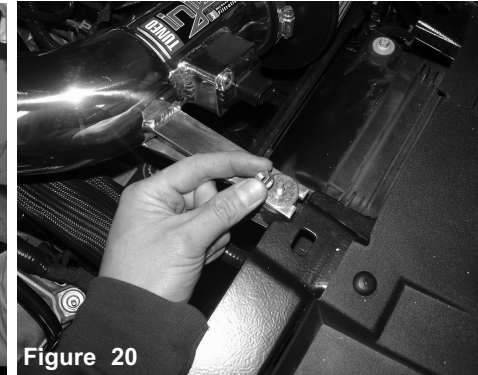


Figure 20

Align the intake bracket to the vibra mount from figure 14 and place a fender washer and a M6 nut onto the vibra mount.

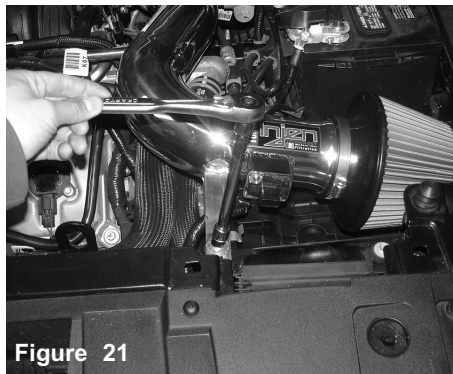


Figure 21

Once you have made finale adjustemnt for best fit-ment, use a 10mm socket and ratchet and secure the bracket to the vibra mount and then tighten the clamp on the throttle body.

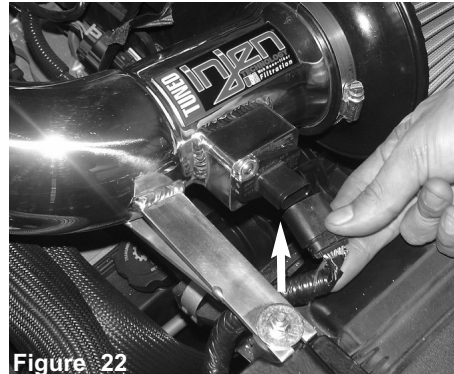


Figure 22

Plug the MAF sensor harness onto the MAF sensor

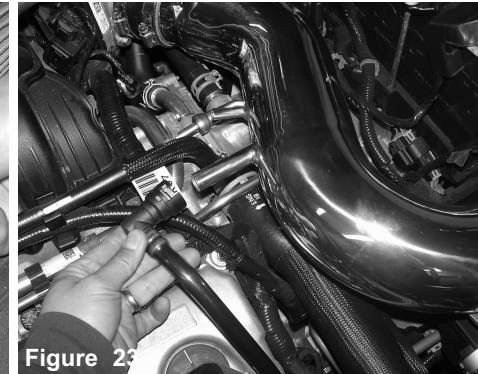


Figure 23

Attach the CCV hard breather line to the machined nipple welded on the intake pipe. Make sure you hear it snap for a secure fit.



Figure 24

Attach the brake booster soft line to the smaller nipple welded on the intake pipe.



Figure 25

Congratulations! You have just completed the installation of this intake system. Periodically, check the alignment of the intake, normal wear and tear can cause nuts and bolts to come loose. Failure to check the alignment and adjust the intake can cause damage that will void the warranty.

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.