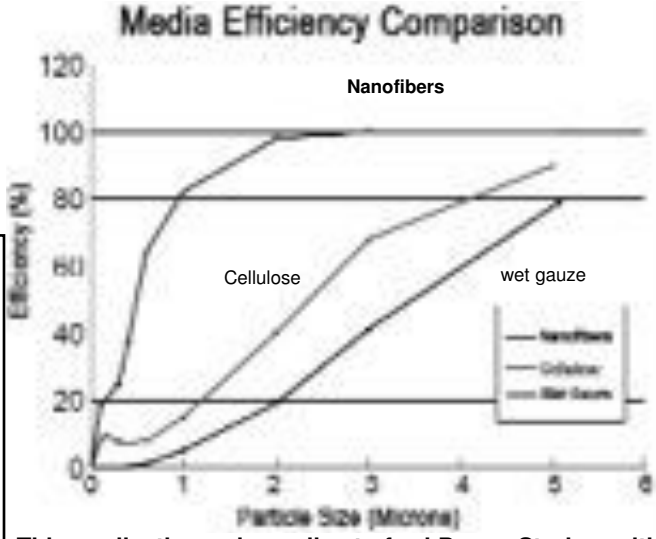


Nanofiber technology: Is an oil free filtration media that has been used exclusively in heavy duty applications, including the US Army's Abrams M1 tanks. Injen/AMSOIL is now making it available to diesel applications and vary soon will be available for the gas auto/light truck market

Part number PF9012

2012 Ford F-150 V6 3.5L Ecoboost
(Temp Sensor Only)

1-	Show quality intake tube	
1-	Heat shield	**(#11072)**
1-	Super Flow Nano-Fiber filter	**(#1051)**
1-	3.75" filter velocity stack adaptor	**(#6049)**
1-	3.75" straight hose	(#3036)
1-	3" hump hose	(#3044)
1-	4" hump hose	(#3168)
4-	Clamps .064	(#4006)
2-	Clamps .056	(#4005)
1-	M6x16 Hex screw	(#6005)
4-	M6 stainless button head screws	(#6083)
1-	Vinyl trim @ 9.5" Length	(#6023)
1-	Vinyl trim @ 10" Length	(#6023)
1-	5 page instruction	

This application only applies to ford Power-Strokes with mass air flow sensors

Congratulations! You have just purchased the best engineered and most advanced air intake system, equipped with Ea nanofiber air filter.

Please check the contents of this box immediately.

Report any defective or missing parts to the authorized Injen or AMSOIL 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 your dealer, Injen Technology or AMSOIL.

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

Note: This intake system was tested with an Injen/AMSOIL air filter made from synthetic Nanofiber media which has a 100,000 mile service life or four year warranty, whichever comes first.

Note: Disconnect the negative battery terminal before beginning the installation process.

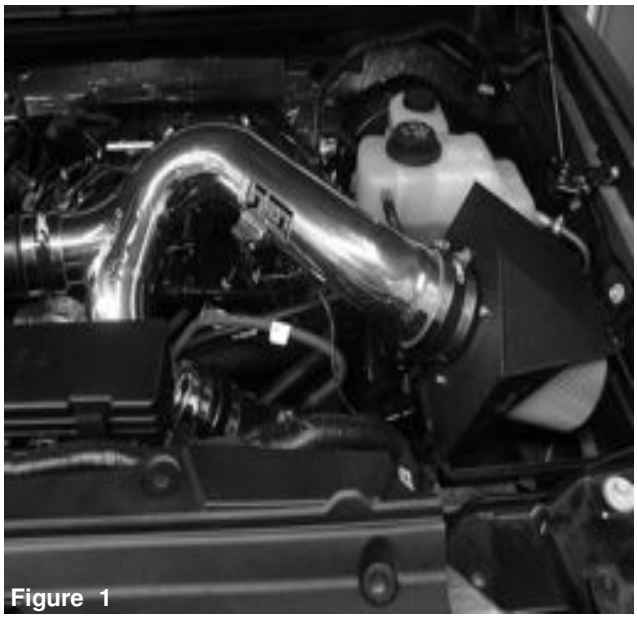


Figure 1

Power-Flow contents:

Figure 2

Figure 3

Complete stock intake shown. Disconnect battery before install.

Figure 4

Loosen clamp using 8mm nut driver.

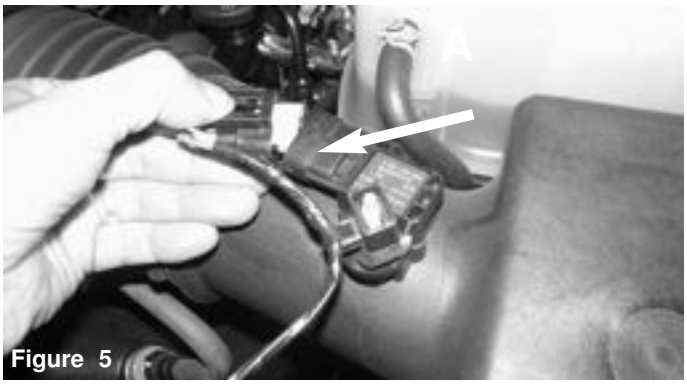


Figure 5

Disonnect the temperature sensor.

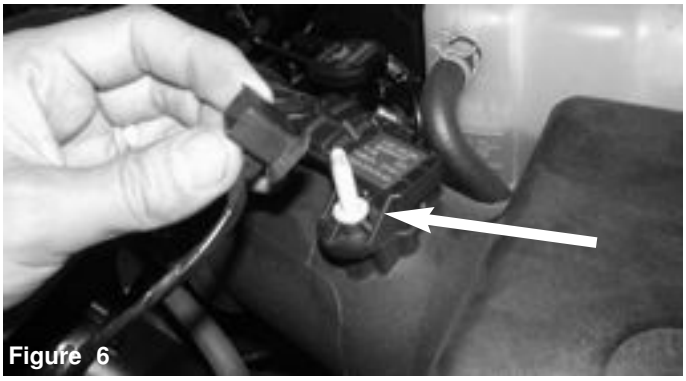


Figure 6

Pull back temperature harness line from fitting.

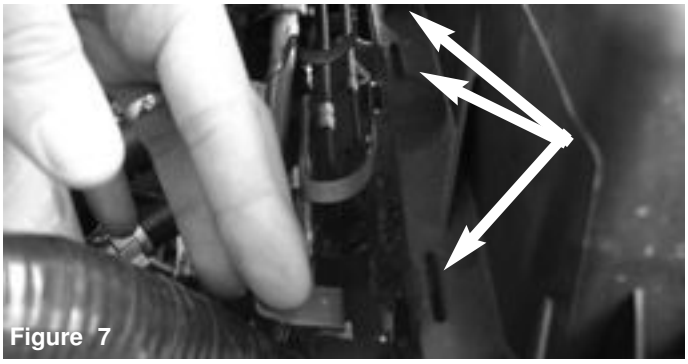


Figure 7

Un-clip the 3 clips holding in the upper half of the air box.

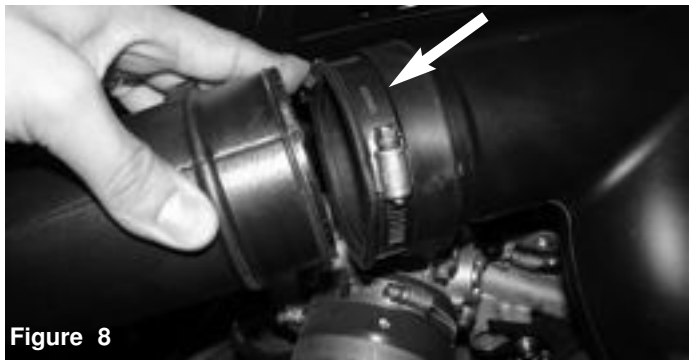


Figure 8

Once the clamp is loosen, pull back the hose from the turbo inlet side.

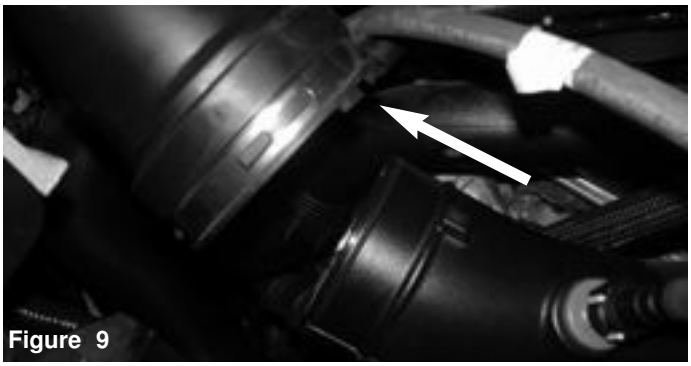


Figure 9

Pull back the larger side of the stock intake tube.

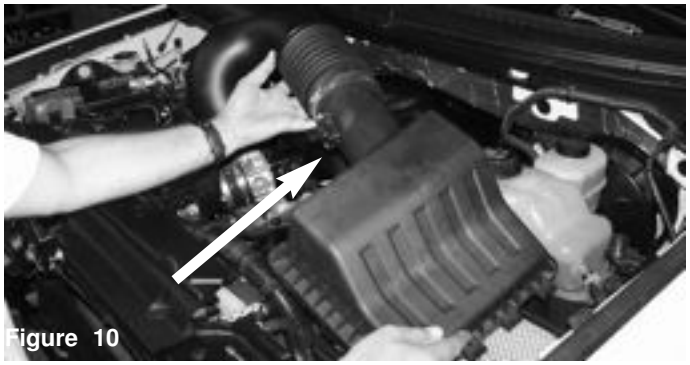
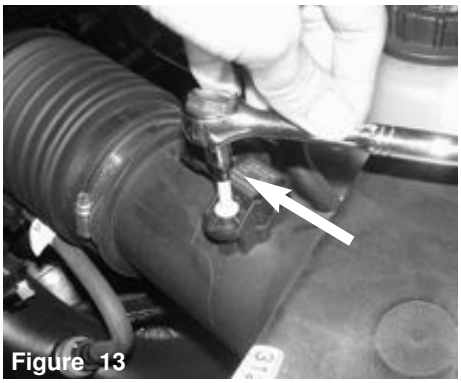


Figure 10

Now lift up and remove the stock intake assembly out of vehicle.

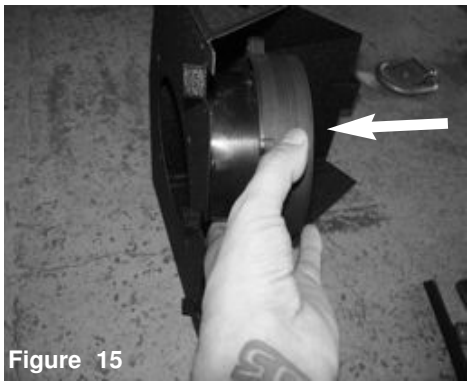
With 13mm socket and extension, loosen the bolt on side of air box housing.

Remove bolt and save for later install.

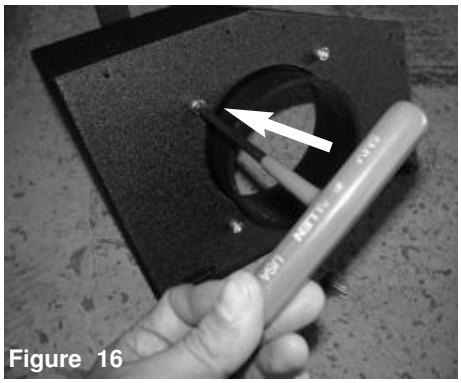


With 4mm socket, loosen the fitting holding in the temperature sensor,

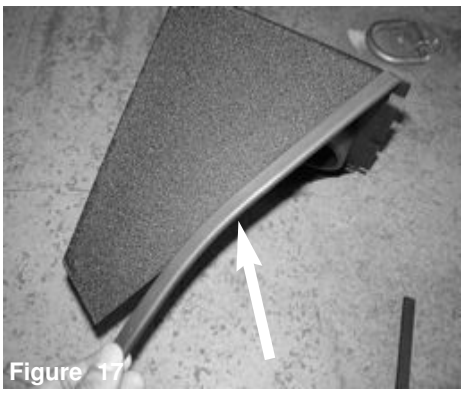
Carefully pull the temperature sensor out and set aside.



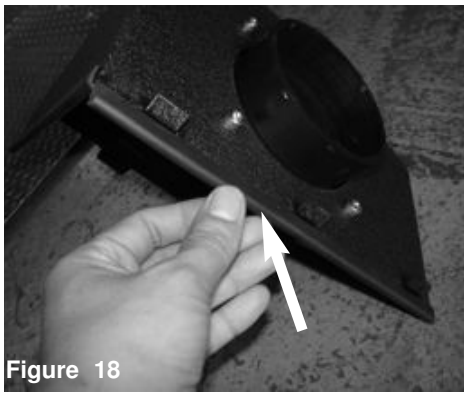
Install the 3.75” velocity adaptor tot he inside of the heat shield.



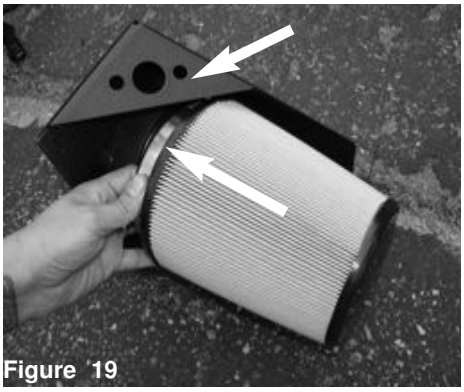
Secure the adaptor using the provided M6 button head screws and tighten using allen key.



Attach the vinyl trim to the side of the heat shield.

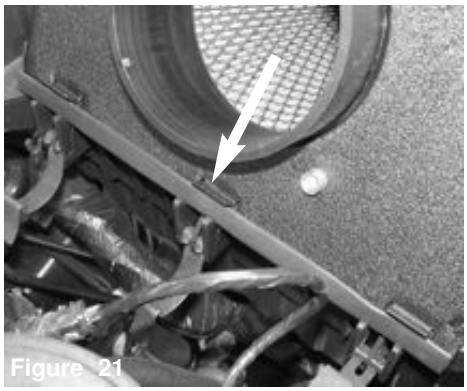


Attach the other vinyl trim to the side with tabs. ***Note: make sure you attach the trim to heat shield to prevent rubbing and vibration.***

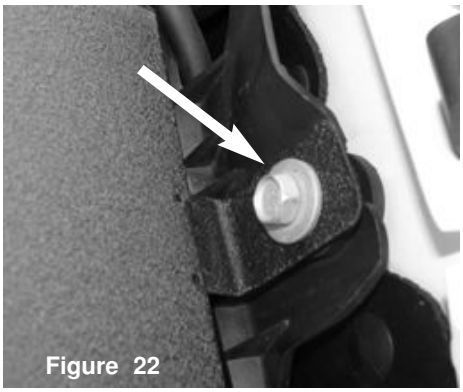


Install the filter to the adaptor and tighten using 8mm nut driver.

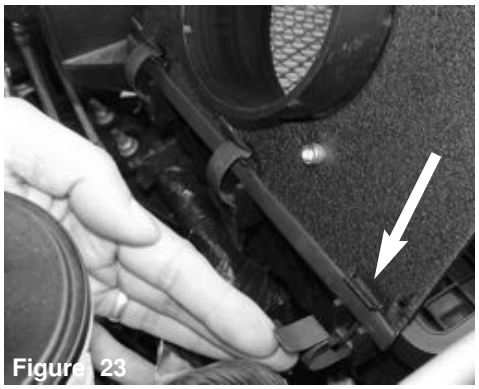
Install the heat shield assembly into the vehicle and position tab side first.



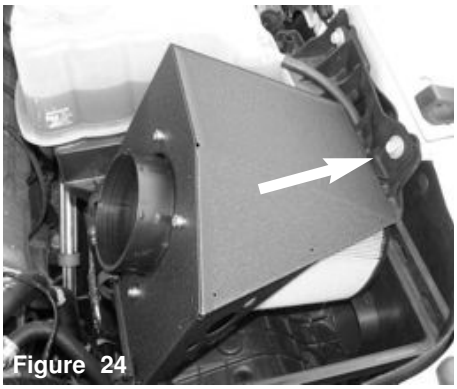
Make sure the heat shield assembly with trim seats in the groove. Position heat shield forward for the tab to align with hole from step 11. Align the tabs to clips.



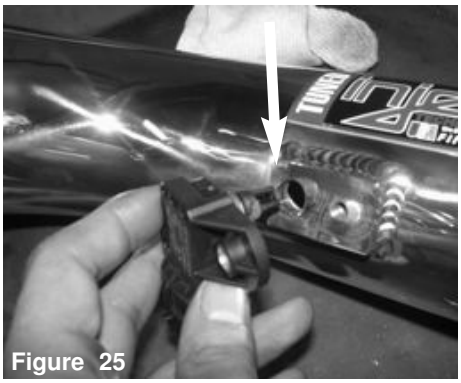
Secure the tab using the bolt from step12.



Secure the heat shield and clip to tabs.



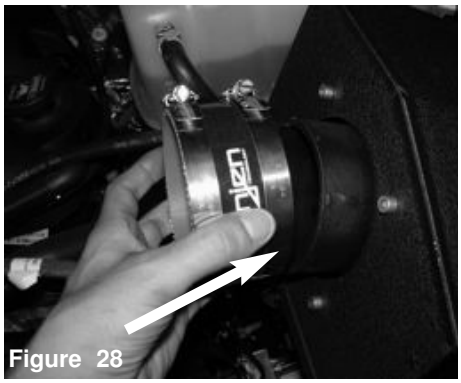
Tighten the bolt using 13mm socket and ratchet. ***Make sure the heat shield assembly is tight and secure.***



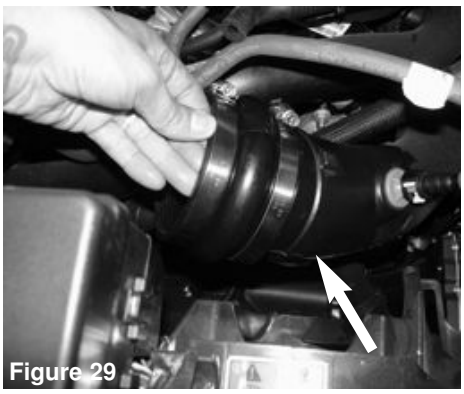
Install the temperature sensor into the new injen intake tube.

With provided M6 hex screw, secure the temperature sensor.

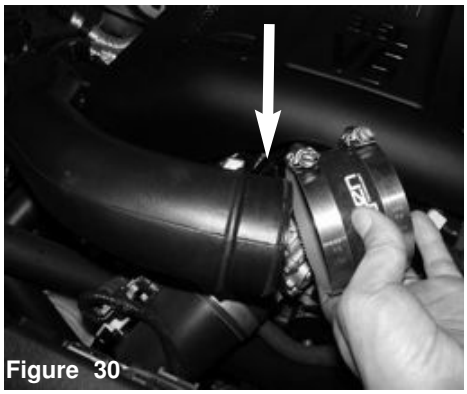
Tighten using 10mm wrench or socket and ratchet.



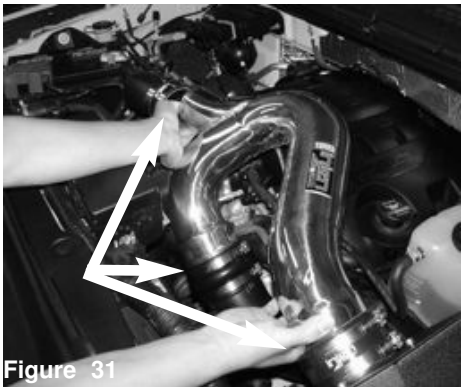
With clamps provided, attach to the straight hose and install to the adaptor on the heat shield assembly.



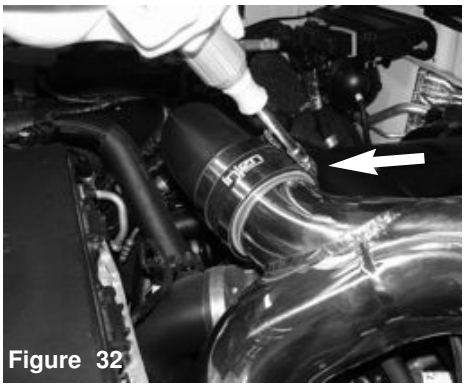
Install the hump hose with clamps to the larger side of the stock turbo inlet tube, Do not tighten.



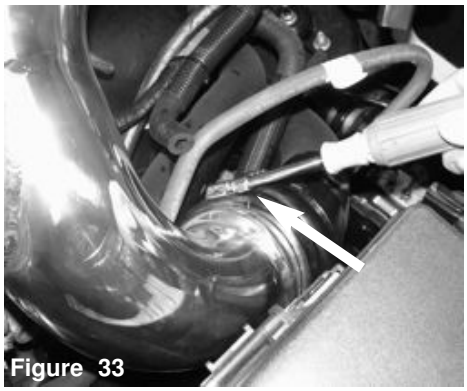
Install the 3" straight hose to the passenger side turbo inlet tube.



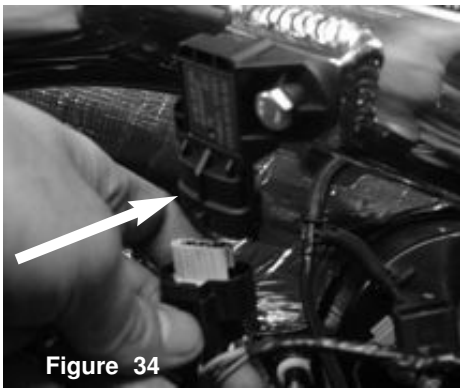
Install the intake tube into the vehicle and position to the throttle body and adaptor.



Now tighten the clamps on using 8mm nut driver.



Tighten the clamps on the hump hose using 8mm nut driver. Tighten all re-maining clamps also.



Re-connect the temperature sensor harness.

Figure 35

Check the entire system for the best possible fit. Once you have checked the entire system for leaks, rubbing or rattling, continue to tighten all nuts, bolts and clamps. Reconnect the negative battery terminal prior to starting the engine.

Figure 36

Congratulations! You have just completed the installation of the best engineered intake system, featuring Web Nano-fiber dry filter. Periodically, check the system for fitment, this will enhance the life of your Power-Flow system.

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/AMSOIL filter now sold 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.