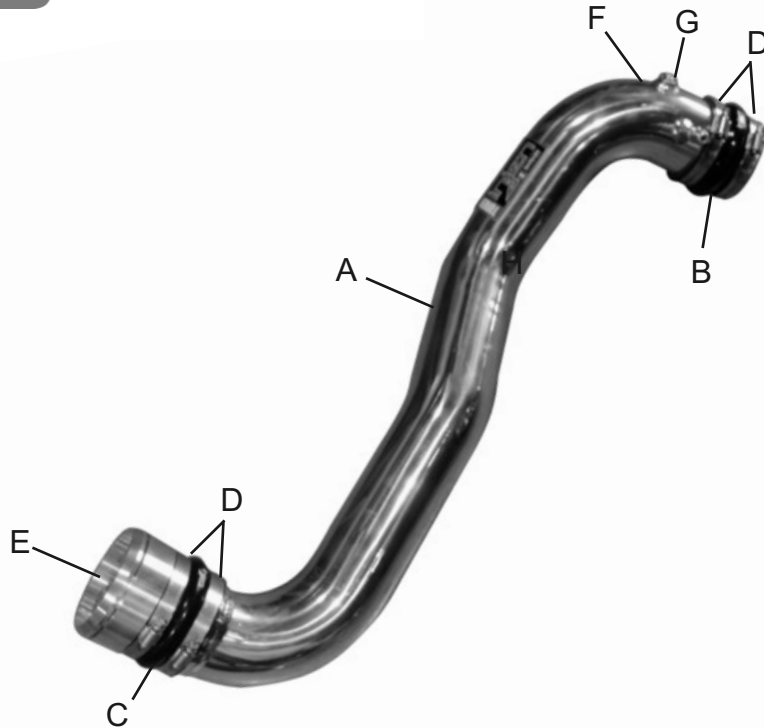




Vehicle Application:
 Make: **Ford**
 Model: **F150/ Gen 2 Raptor**
 Year: **2015-19**
 Engine: **3.5L V6 Ecoboost**



Item	QTY.	P/N	Discription
A	1	SES9015ICP	Charge pipe
B	1	X-3242	step hump hose
C	1	X-3225	3.5 hump hose
D	4	X-4005	#56 clamps
E	1	X-14089	Billet adaptor
F	1	X-6005	M6 hex screw
G	1	X-8054	1/8" NPT plug

- TOOLS REQUIRED**
- 10mm Ratchet & Socket
 - 8mm nut drive
 - Allen key
 - Flat Blade Screwdriver
 - Phillips Screwdriver

WARNING: FAILURE TO FOLLOW INSTALLATION INSTRUCTIONS AND NOT USING THE PROVIDED HARDWARE MAY DAMAGE THE INTAKE SYSTEM, ENGINE AND COMPONENTS!!!
***Do not attempt to install the intake system while the engine is hot.**
 Severe burn could result from touching hot engine components!

Report any defective or missing parts to the authorized Injen 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 Injen Technology dealer. Installation DOES require some mechanical skills. A qualified mechanic is always recommended.

A Limited Lifetime Warranty to the original purchaser against defects in material and workmanship on all Injen intake systems excluding the filter element. Any and all warranty coverage is limited to the repair or replacement of the defective part only, at Injen Technology's discretion. The warranty does not cover incidental or consequential damages, nor does it cover the cost of installation or removal of the defective part or its replacement. Proof of purchase is required.

Instruction Manual P/N:SES9015ICP

NOTE: This intake kit may not work on vehicles with the following aftermarket modifications.

- Aftermarket Intercooler piping
- Aftermarket intercooler
- Turbo upgrade
- Modified body panels
- Suspension & Chassis modifications

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.

The SuperNano-Web filter media is a dry synthetic media that outperforms the competition. The media itself is a proprietary base blend of synthetics and cellulose. Cellulose fibers are larger than synthetic fibers, and have larger spaces between the fibers, causing contaminants to load in the depth of the media and plug the airflow path. This creates higher restriction levels and less capacity. The synthetic fibers in the SuperNano-Web media are submicron in diameter and have small interior fiber spaces, which result in more contaminants being captured on the surface of the media. This can help keep restriction levels low as the filter loads with dirt and containments



If you look at the picture to the left, you can see the Nano-fiber web on top of our base media. That web, or Super-Nano-Web as we like to call it, helps trap smaller particles and protect your engine.

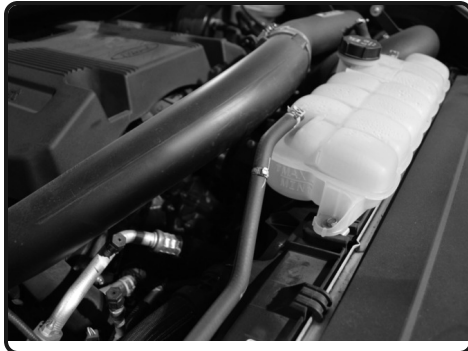
To Clean your filter:

Carefully remove the filter from the housing. Once removed, wipe down the housing using a clean shop towel, being careful not to knock any dirt and/or debris in the air inlet. Your filters can be cleaned by carefully vacuuming the filter media from the dirty side, or by holding the filter with one hand and carefully blowing the filter media at a 45-degree angle from the clean side using low-pressure shop air (15-20 lbs. psi).

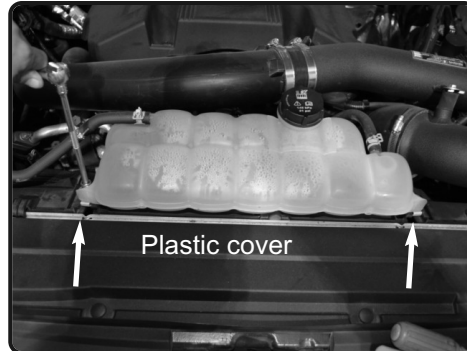
****IT IS IMPORTANT TO NOT USE ANY CLEANERS ON THE SUPERNANO-WEB MEDIA OR APPLY ANY OIL!!!***

NOTE: DISCONNECT BATTERY BEFORE INSTALLATION!!!

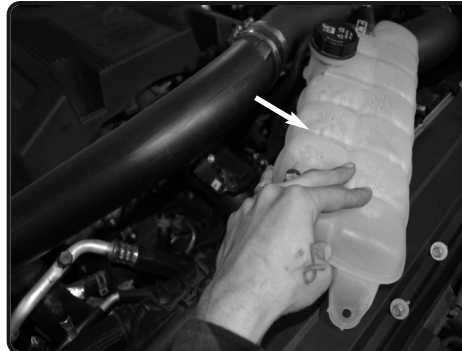
Instruction Manual P/N:SES9015ICP



1. Stock Charge pipe shown.



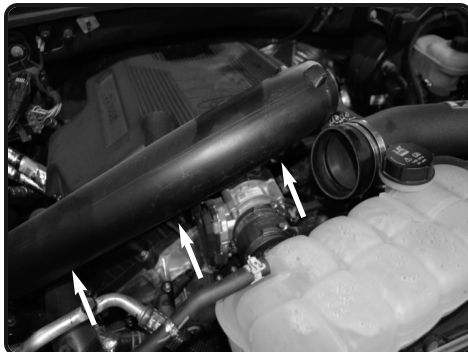
2. Loosen the 2 bolts holding in the coolant reservoir.



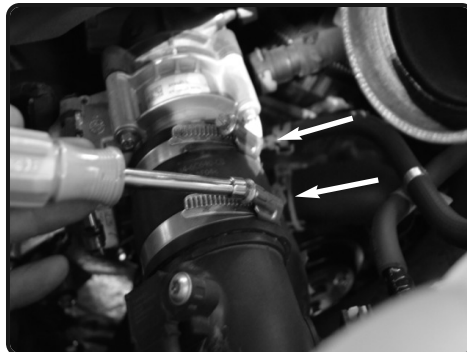
3. Carefully push aside allowing for clearance.



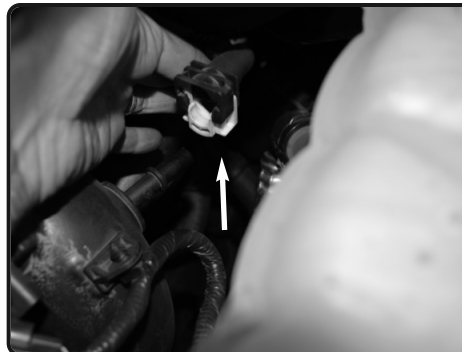
4. Loosen the clamp on the intake system and pull back.



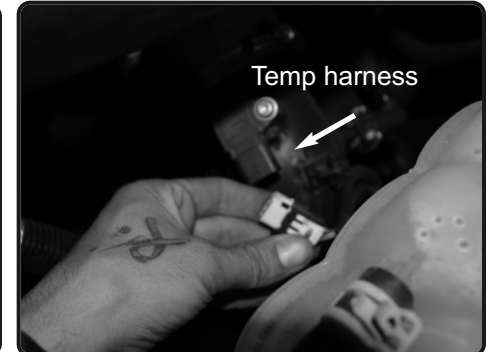
5. Push aside the OEM turbo inlet pipe out of way allowing for clearance.



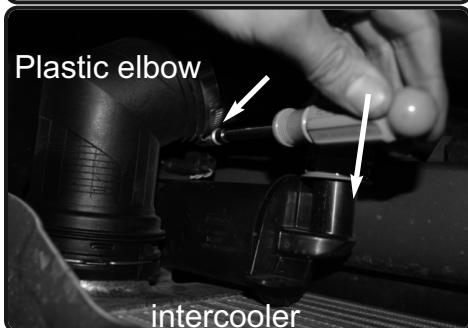
6. Loosen the clamp on the throttle body using 7mm nut driver.



7. Pull back the vacuum line from the fitting on the charge pipe.



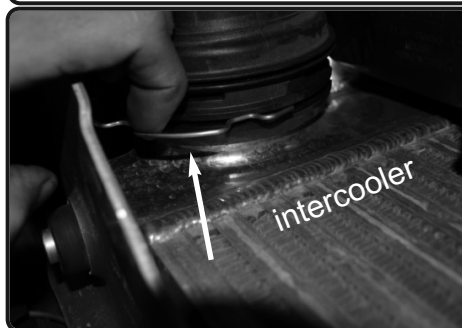
8. Disconnect the temperature sensor harness. Pull back the line from the charge pipe.



9. Loosen the clamp on the lower part of the charge pipe.



10. Pull back the diverter valve hard line. Twist and turn, pull back.



11. With a flat head screwdriver, pull back the spring clip, once removed. pull back the plastic elbow from the intercooler.

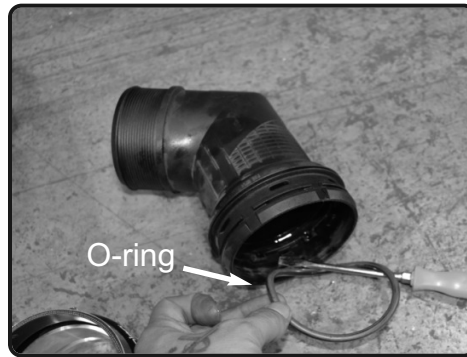


12. Pull back the plastic elbow from the intercooler.

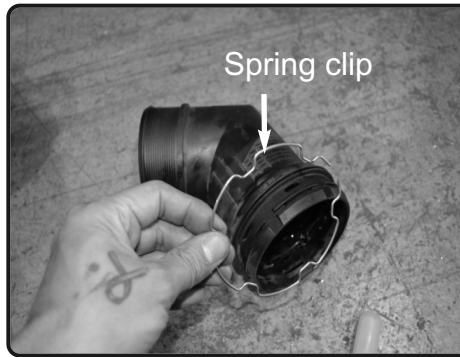
Instruction Manual P/N:SES9015ICP



13. Remove the OEM charge pipe out of vehicle.



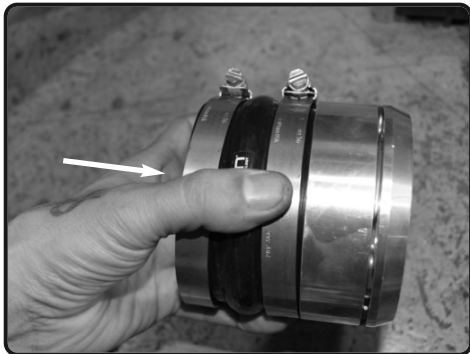
14. Using flat head screw driver remove the OEM o ring from plastic elbow.



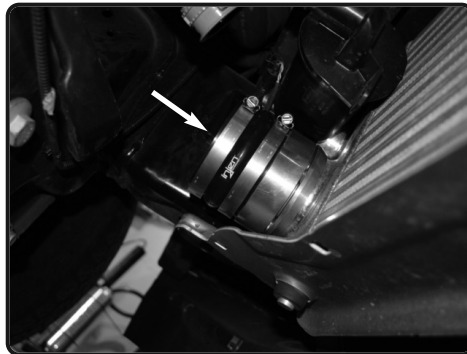
15. Remove the spring clip from plastic elbow.



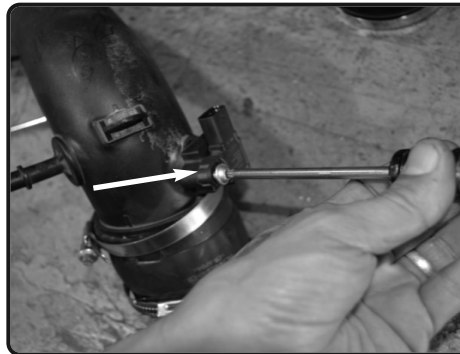
16. Install the o ring and the spring clip to the billet adaptor.



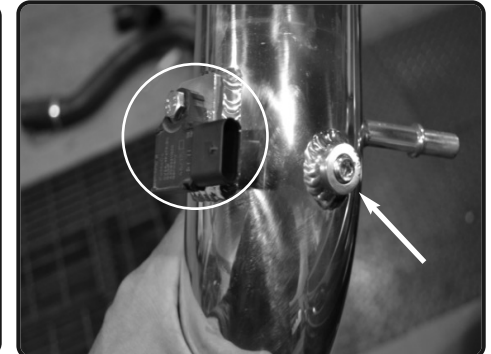
17. Install the 3-1/2" hump hose to the adaptor with clamps provided.



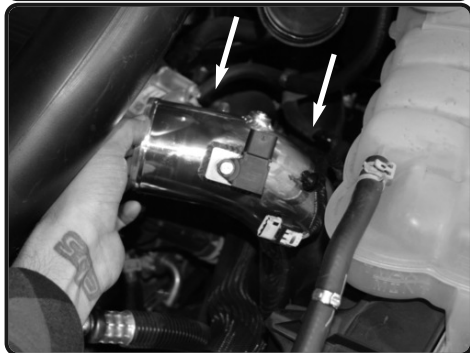
18. Attach the adaptor to the inter-cooler. Make sure you hear the click for the spring clips to be secured.



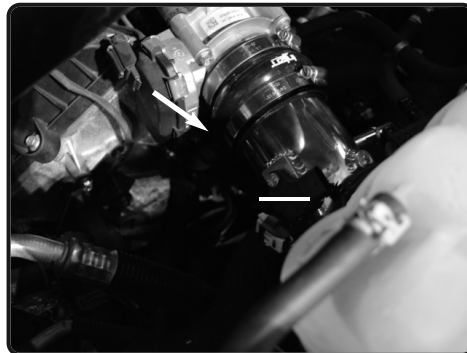
19. Loosen the torx screw holding in the temperature sensor. Remove the sensor.



20. Install the temperature to the new charge pipe and secure using provided M6 hex screw. Secure the NPT fitting using provided 1/8" NPT plug. Secure and tighten.



21. Install the new charge pipe. Secure the pipe and position.



22. Install the 3-1/8"x 3-1/4" step hump hose to the throttle body using provided clamps. Do not tighten.



23. Secure the vacuum line and reconnect temperature sensor harness.



24. Attach the bottom part of the charge pipe and tighten using 8mm nut driver. Re-connect the diverter valve hardline. Re-install coolant reservoir and re-connect intake system.



Congratulations! You have just completed the installation of this charge pipe. Periodically, check the alignment of the intake, normal wear and tear can cause nuts and bolts to come loose. **Note: Check clearance and adjust if needed! Failure to check the alignment and adjust the intake can cause damage that will void the warranty. Injen Technology is not responsible for any damages caused by/from improper installation.**

Test Drive:

1. With the transmission in neutral or park and the parking brake engaged, start the engine. Listen for air leaks or odd noises. If air leaks are detected, secure hoses and connections. For any odd noises, inspect entire system for cause and adjust intake as needed. The Injen intake will function identically to the factory system but will be louder and more powerful.
2. Perform a road test. Listen for odd noises or rattles and fix as necessary.
3. If there are no issues, continue to enjoy your added performance from the Injen performance Intake kit.
4. Injen Technology recommends you periodically check clearance and adjust if needed! Failure to check the alignment and adjust the intake can cause damage that will void the warranty. Injen Technology is not responsible for any damages caused by/from improper installation.

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.