INSTALLATION DIFFICULTY RATING

POWER-FLOW®

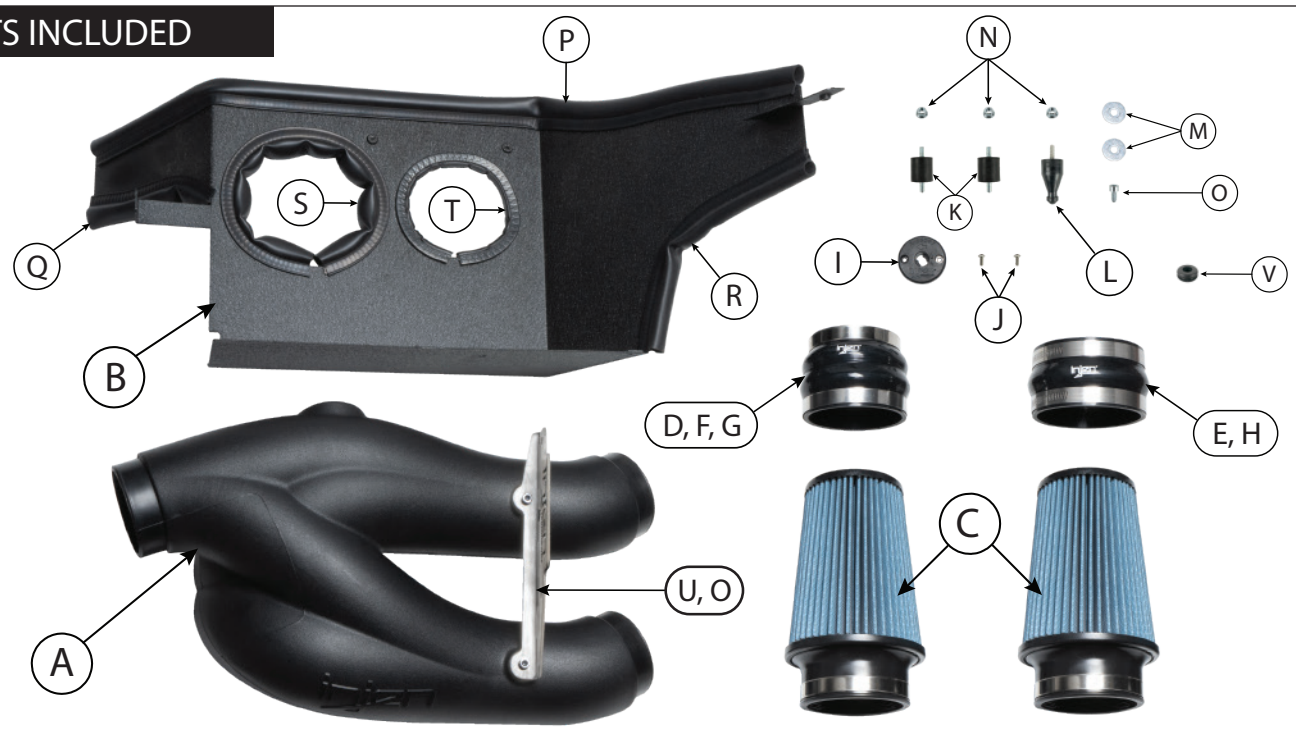
POWER FLOW AIR INTAKE SYSTEM

Part Number: PF9032 / PF9032C

Installation Instructions

YEAR	MAKE	MODEL	ENGINE
2015-2026	FORD	F-150	V6-3.5L TWIN TURBO
2017-2026	FORD	F-150 RAPTOR	V6-3.5L TWIN TURBO
2018-2026	FORD	EXPEDITION	V6-3.5L TWIN TURBO
2018-2026	LINCOLN	NAVIGATOR	V6-3.5L TWIN TURBO

PARTS INCLUDED



ITEM	QTY	PART NO.	DESCRIPTION
A	1	X-15226	ROTO-MOLDED INTAKE TUBE
B	1	X-11123	HEAT SHIELD
C	1	X-1079	3.50" AIR FILTER
D	1	X-3237	3.125" - 3.50" STEPPED DOUBLE HUMP HOSE
E	1	X-3250	4.00" HUMP HOSE
F	1	X-4004	SAE 048 CLAMP 2 9/16" - 3 1/2" MAX OD
G	1	X-4005	SAE 056 CLAMP 3 1/16" - 4" MAX OD
H	2	X-4006	SAE 064 CLAMP 3 9/16"-4 1/2" MAX OD
I	1	X-15097	AIR TEMPERATURE SENSOR ADAPTER
J	2	X-6047	M4-.7 x 10 BUTTON HEAD SCREW
K	2	X-6020	M6 VIBRAMOUNT
L	1	X-15023	M6 STAND-OFF STUD
M	5	X-6010	1/4" x 1" FENDER WASHER
N	3	X-6002	M6 FLANGE NUT
O	2	X-6056	M6 X M12 S.S. HEX CAP SCREW
P	35"	X-6058	RUBBER BULB TRIM
Q	7.5"	X-6058	RUBBER BULB TRIM
R	11.5"	X-6058	RUBBER BULB TRIM
S	17.5"	X-6058	RUBBER BULB TRIM
T	17.5"	X-6058	RUBBER BULB TRIM
U	1	X-11184	2015-2025 FORD F-150 BRACKET
V	1	X-8026	RUBBER SENSOR GROMMET

TOOLS REQUIRED

Ratcheting Wrench	2mm, 5mm Hex Wrench	Socket Extension
7mm, 8mm, 10mm, 13mm Socket	Flat Head Screwdriver	

BEFORE YOU BEGIN

Please check the list of parts included and 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.***

This product includes 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.

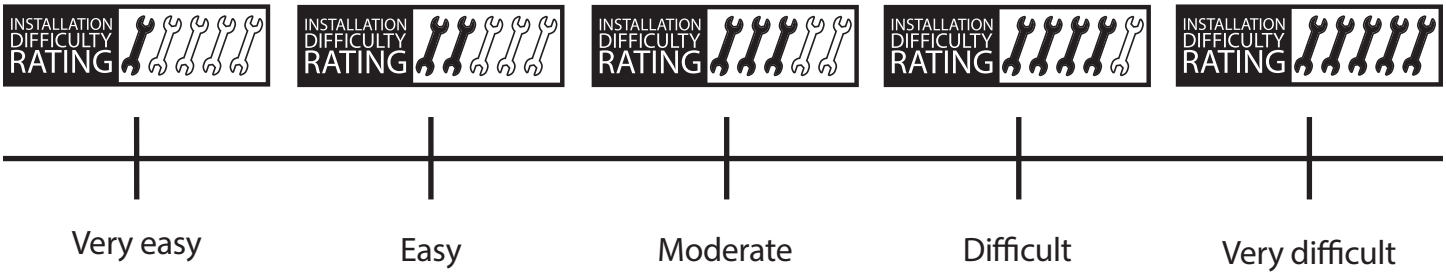
Do not attempt to install the intake system while the engine is hot. Severe burn could result from touching hot engine components.

WARNING: Failure to follow installation instructions and not using the provided hardware may damage the intake system, engine, or components of either.

CARB Note: Injen intake systems are street legal in most states unless the state is adopting to California Emissions standards. States that have adopted California emission standards include: Arizona, California, Connecticut, District of Columbia, Maine, Maryland, Massachusetts, New Jersey, New Mexico, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. These states will require a California Air Resource Board Executive Order Number (CARB E.O.) for the legal use of an Injen intake system in your vehicle for use on public roads or highways. Otherwise, the vehicle will be considered "Legal in California only for racing vehicles competition use only, which may never be used upon a public street or highway." Please keep your factory air intake system for any future on-road use.

Note: It is always recommended to disconnect your battery before disconnecting any sensors.

DIFFICULTY RATINGS



FILTER MAINTENANCE

SuperNano-Web Dry Air Filter (Blue Media)

Do not use water or filter oil to clean!

You can use a vacuum cleaner or compressed air to clean.

If you're using a vacuum cleaner, follow the direction of the pleats on the outside of the filter element.

If you're using compressed air, make sure it never exceeds 25 PSI. Use a blower from the inside of the element towards the outside, following the direction of the pleats.

8-Layer Oiled Cotton Gauze Air Filter (Red Media)

Injen Technology's Oiled Filter Restore Kit (P/N: X-1030) is recommended for cleaning and maintenance.

Use the cleaning solution or water to wash out the filter element, then use Injen's Proprietary Filter Oil to re-oil the element. The amount of oil to use in grams is provided on the product page for the filter at https://injen.com. Let sit for 24 hrs for the oil to completely saturate the cotton gauze media.

1. Factory intake system.

2. Remove the (2) two plastic retaining rivets from the air scoop.

3. Unbolt 13mm bolt holding air box assembly to chassis.

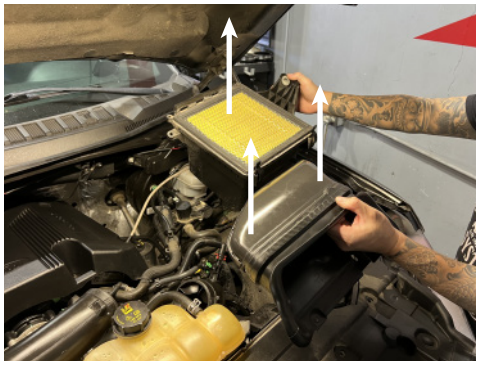
4. Loosen clamps and remove intake pipe from both turbo inlet pipes. DO NOT REMOVE ASSEMBLY. See figure 5.

5. Remove intake air temperature sensor from factory intake pipe.

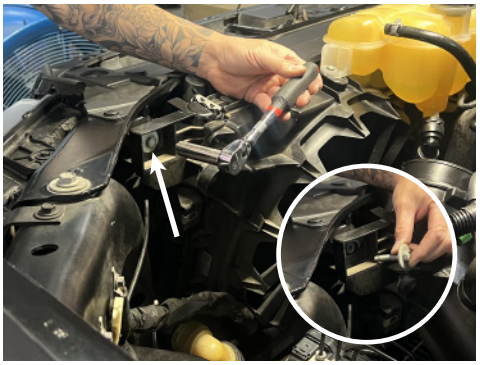
6. Unclip clamps from factory air box and remove upper air box and intake pipe assembly.

7. Unclip sensor harness mounting tabs from lower air box.

8. Unclip sensor bracket mounting tab from lower air box.



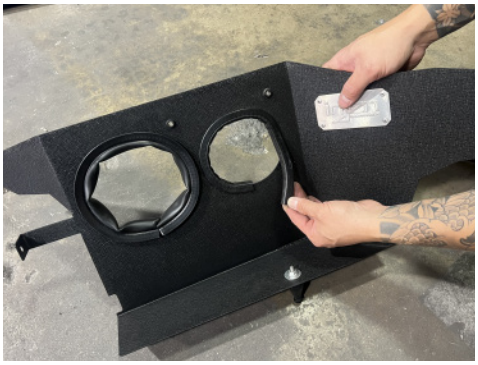
9. Remove lower air box by applying some force while pulling up on assembly.



10. Locate 13mm bolt on radiator support, unbolt and save bolt for use later.

11. Install and secure provided stand-off stud through the bottom of the PF9032 heat shield using provided hardware.

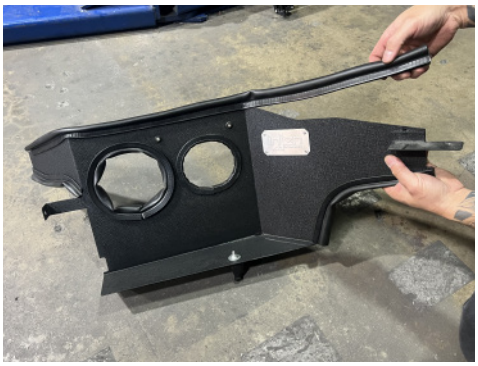
12. Install 18" rubber bulb trim (X-6058) to larger diameter hole on heat shield.



13. Install 15" bulb edge trim (X-6094) to smaller diameter hole on heat shield.

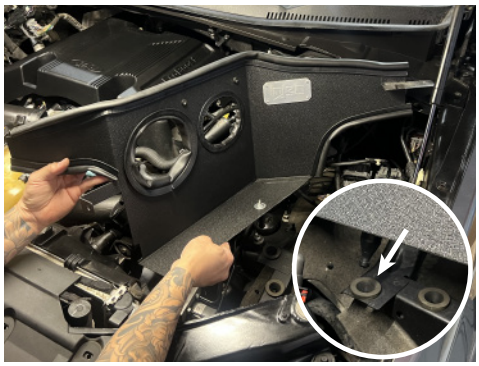
14. Install 11.5" rubber bulb trim (X-6058) to rear lower portion of heat shield. Trim excess material as needed.

15. Install 7.5" rubber bulb trim (X-6058) to front lower portion of heat shield. Trim excess material as needed.

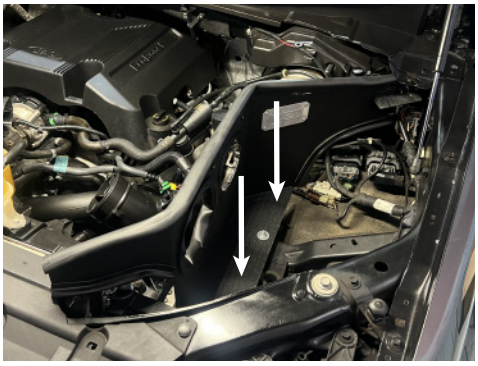


16. Install 35" rubber bulb trim (X-6058) to upper portion of heat shield. Trim excess material as needed.

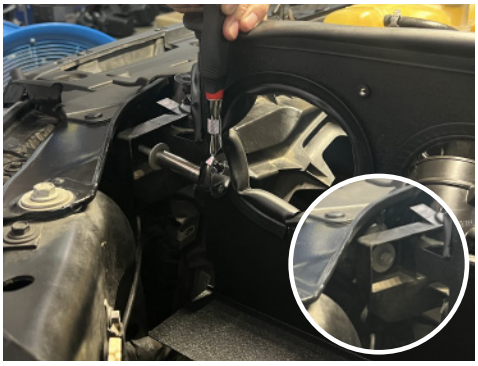
17. Completed heat shield ready to install.



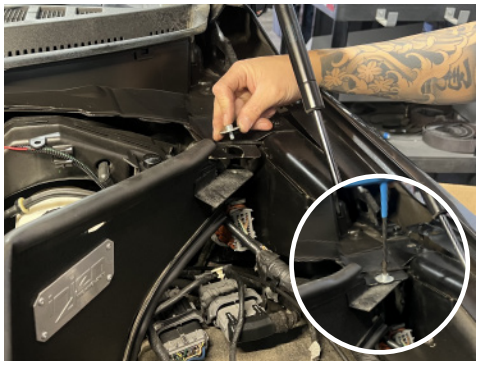
18. Position heat shield into vehicle making sure to align stand-off stud to factory mounting grommet.



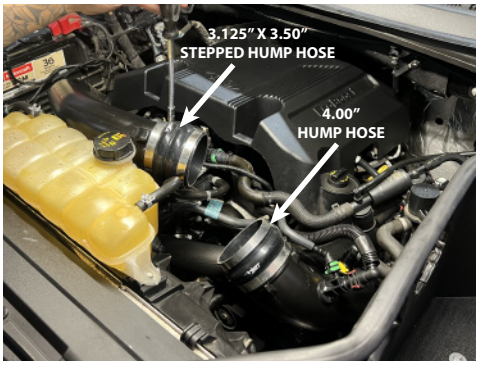
19. Push in stand-off mounting stud into factory grommet.



20. Using 13mm bolt from figure 10, bolt front heat shield mounting tab to factory radiator support.



21. Bolt rear heat shield mounting tab to chassis using provided M6 hex bolt and fender washer.



22. Install and secure 3.125" x 3.50" stepped double hump hose and 4.00" hump hose to turbo inlet pipes.

23a. Locate the air temperature sensor and harness. **If the lead comes from the REAR of the engine, refer to PAGE 5.**

23b. Locate the air temperature sensor and harness. **If the lead comes from the FRONT of air box, refer to PAGE 6.**

READ BEFORE PROCEEDING:

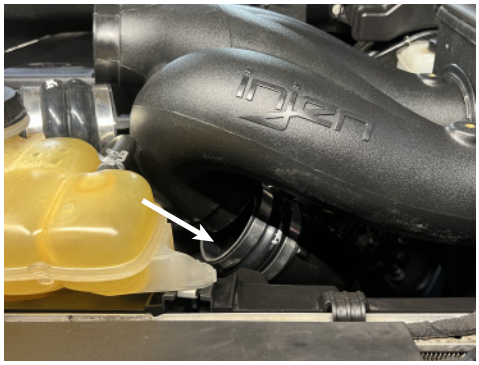
The following instructions are for vehicles equipped with the air temp sensor that leads from the REAR of the engine bay. If the harness leads from the FRONT of the air box, refer to the instructions on page 6.

24a. Rear location of air temp sensor lead.

25a. Drill a 3/4" hole into the drill point located on the back of the tube where the air temp sensor mounts.

26a. Install provided air temperature sensor adapter onto intake tube using provided button head screws.

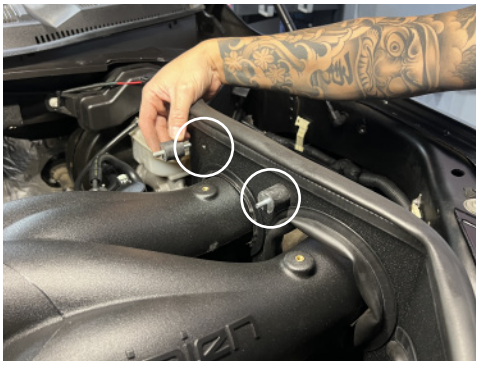
27a. Install mounting bracket onto vibramounts on heat shield using provided hardware and secure.



28a. Insert lower outlet of intake tube into driver side turbo inlet pipe.

29a. Insert upper outlet of intake tube into passenger side turbo inlet pipe.

30a. Secure intake tube to both driver and passenger side turbo inlet hoses.



31a. Install (2) two provided vibramounts onto heat shield. **Preinstalled bracket not shown.

32a. Install mounting bracket onto vibramounts on heat shield using provided hardware and secure.

33a. Install intake air temperature sensor into back intake tube and secure.

You can now proceed to page 7 to complete the installation of your intake kit.

READ BEFORE PROCEEDING:

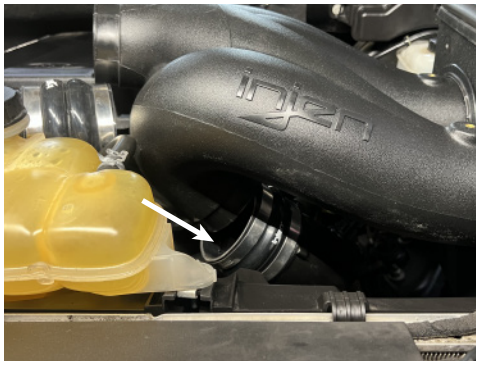
The following instructions are for vehicles equipped with the air temp sensor that leads from the FRONT of the air box. If the harness leads from the REAR of the engine bay, refer to the instructions on page 5.

24b. Front location of air temp sensor lead.

25b. Drill a 3/4" hole into the drill point located on the front of the tube.

26b. Install provided air temp sensor grommet.

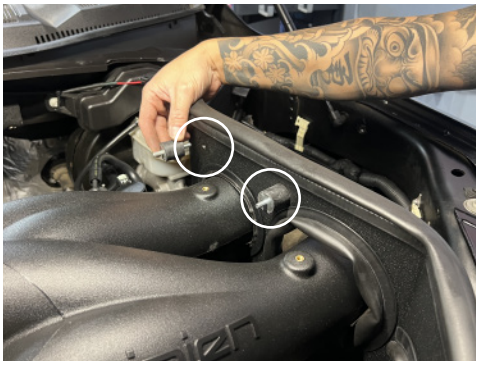
27b. Install mounting bracket onto vibramounts on heat shield using provided hardware and secure.



28b. Insert lower outlet of intake tube into driver side turbo inlet pipe.

29b. Insert upper outlet of intake tube into passenger side turbo inlet pipe.

30b. Secure intake tube to both driver and passenger side turbo inlet hoses.



31b. Install (2) two provided vibramounts onto heat shield. **Preinstalled bracket not shown.

32b. Install mounting bracket onto vibramounts on heat shield using provided hardware and secure.

33b. Install air temp sensor into the front of the intake tube and secure.

You can now proceed to page 7 to complete the installation of your intake kit.

34. Install and secure both X-1079 air filters onto intake tube.

35. Ensure all bolts, hoses, and clamps are properly secured.

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. 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 and/or from improper installation.