

### Vehicle Application:

**Make:** BMW

**Model:** 230i/xDrive F22/23 (LCI)

*Year:* 2017-2021

*Engine:* L4-2.0L(t) B46

**Model:** 330i F30/31 (LCI)

*Year:* 2017-2018

*Engine:* L4-2.0L(t) B46

**Model:** 330i xDrive F30/31 (LCI)

*Year:* 2017-2019

*Engine:* L4-2.0L(t) B46

**Model:** 330i xDrive GT F34 (LCI)

*Year:* 2017-2019

*Engine:* L4-2.0L(t) B46

**Model:** 430i/xDrive F32/33 (LCI)

*Year:* 2017-2020

*Engine:* L4-2.0L(t) B46

**Model:** 430i Gran Coupe/xDrive F36 (LCI)

*Year:* 2017-2020

*Engine:* L4-2.0L(t) B46

Item	QTY.	P/N	Description
A	1	Y-SP1123	Intake Tube
B	1	#11150	Heat shield
C	1	#1105BB	Dry filter (Blue Media)
D	1	#3134	3.25 x 3.0 step hose
E	2	#4004	#48 clamps
F	2	#8031	Small Grommets
G	1	#6124	3/8" Black Plastic Nut
H	1	#6058	Rubber trim @ 23" L
I	1	#6108	M6 locknut
J	2	#6047	M4 screws
K	1	#6020	M6 vibramount
L	2	#6010	Fender washers
M	2	#6002	M6 nut
N	1	#4005	#56 clamps

**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:SP1123

**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

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 an 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. These 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 box assembly for any future use.**



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 SuperNano-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).

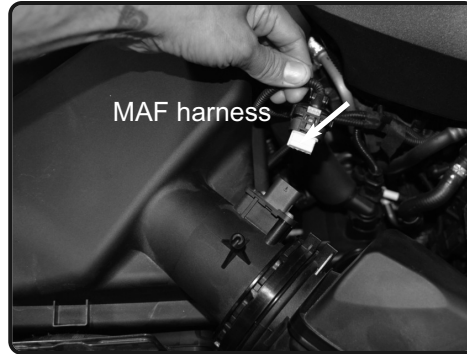
***\*IT IS IMPORTANT TO NOT USE ANY CLEANERS ON THE SUPERNANO-WEB MEDIA OR APPLY ANY OIL!!!***

**NOTE: DISCONNECT BATTERY BEFORE INSTALLATION!!!**

# Instruction Manual P/N:SP1123



**1.** Stock intake system shown. Lift up and remove the front radiator cover.



**2.** Disconnect the MAF sensor harness.



**7.** Loosen the clamp on air box and pull back the intake tube.



**3.** Now lift up and pull the entire air box assembly out of the vehicle.



**4.** Carefully lift up and remove the entire stock air box assembly.



**5.** Locate the 2 threaded studs in the engine compartment, this will be used for the heat shield.



**6.** Install rubber trim to the top of the heat shield. Notch corner for easier installation.



**7.** Remove the 2 screws holding in the MAF sensor using T25 torx bit.



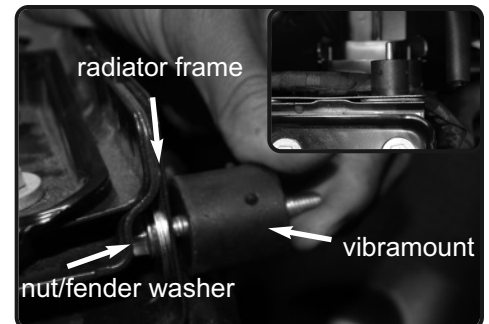
**8.** Install the MAF sensor in the correct direction. Secure using the provided M4 screws. Tighten using 2.5mm allen key.



**9.** Install the provided step hose with clamps to the turbo.

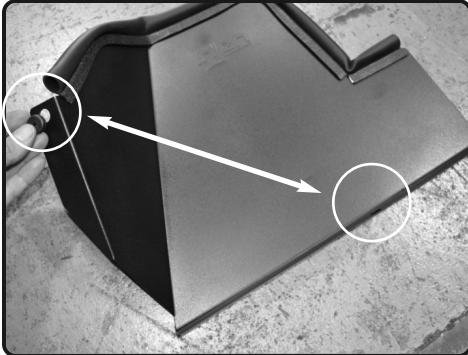


**10.** Tighten the clamp on the turbo side only using 8mm nut driver.

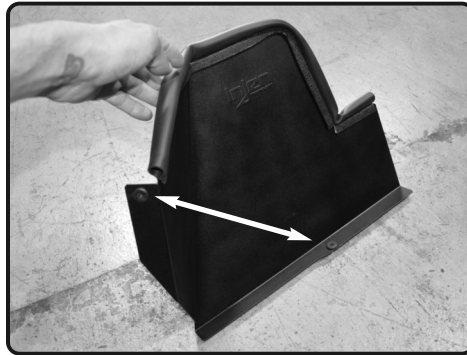


**11.** Install the provided M6 vibramount to the radiator support. Use provided M6 nut and fender washer to secure the back-side of the vibramount.

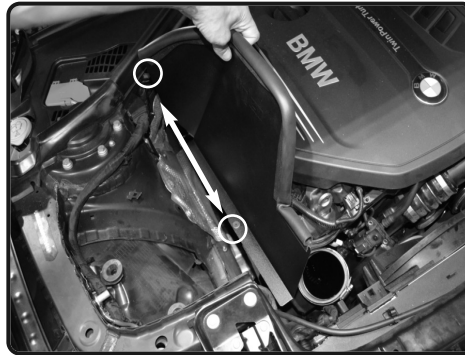
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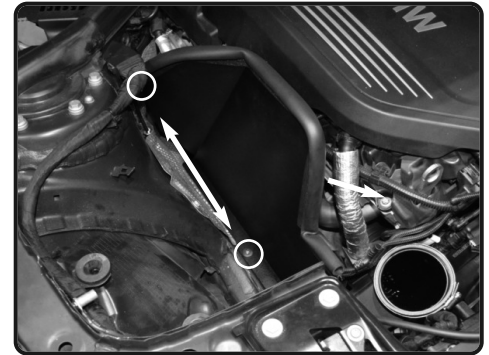
**12.** Install the provided grommets to the holes in the heatshield.



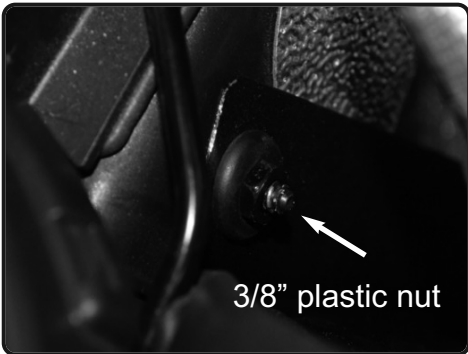
**13.** Make sure the grommets are seated and secured.



**14.** Install the heatshield into the vehicle and position the 2 grommets to the studs from step 6.



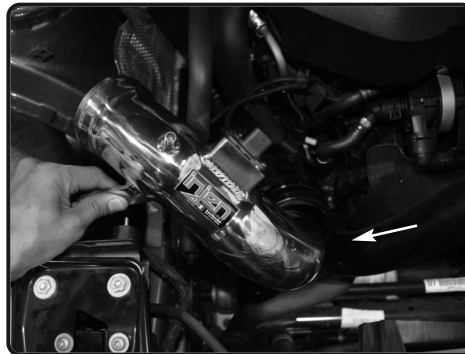
**15.** Push and secure and make sure the grommets are seated and secured to the studs.



**16.** Secure the tab on heatshield near firewall using the provided 3/8" plastic nut. Secure and tighten.



**17.** Secure and tighten the bottom of the heatshield using provided M6 lock nut. Secure and tighten using 10mm socket or wrench.



**18.** Install the intake tube and position the bracket to the vibramount.



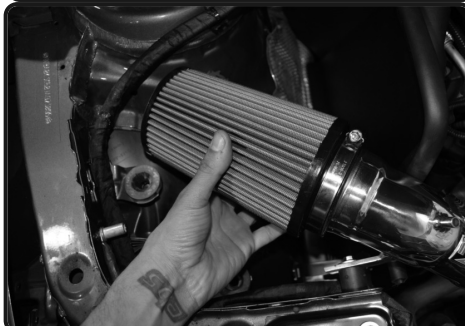
**19.** Secure the bracket using provided M6 nut and fender washer.



**20.** Position the intake for best fit and tighten clamp using 8mm nut driver.



**21.** Reconnect the MAF sensor harness.



**22.** Install the filter to the intake tube. Secure and tighten the filter using 8mm nut driver.



**23.** Re-install the radiator cover. **Note:** fitting on intake tube is for grommet on radiator cover to seat and secure.



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/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.