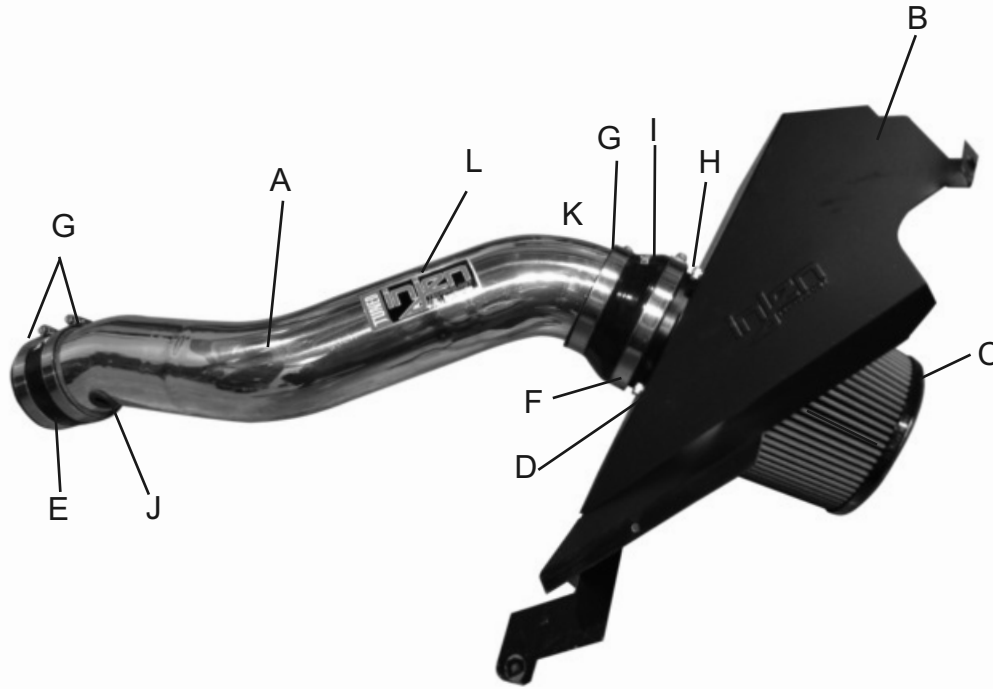




Vehicle Application:
 Make: **Jeep**
 Model: **Grand Cherokee (WK2)**
 Year: **2016-19**
 Engine: **3.6L V6**



Item	QTY.	P/N	Description
A	1	W-PF5023	Short Ram pipe
B	1	11160	Heatshield
C	1	1046	Dry air filter
D	1	6045	4" adaptor
E	1	3054	3-1/8" straight hose
F	1	4006	#64 clamp
G	3	4005	#56 clamps
H	4	6056	M6 socket cap screws
I	1	3210	4"x3.25" step hose
J	1	8002	Rubber grommet
K	1	3079	15mm hose @ 2.5"L

- 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.

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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.**

NOTE: Verify your filter before any cleaning maintenance!

Blue media filter: Dry Air Filter, no oil required.

(SuperNano Web Dry filters require no oil, these can be cleaned using a vacuum or light compressed air. Please do not clean using water or injen restore kit.)

Red media filter: Factory Oiled Air Filter.

(Oiled cotton gauze filters require oil, please use injen restore kit. This filter can use water or cleaning solution for maintenance.)

Please visit injen.com for filter cleaning instructions.

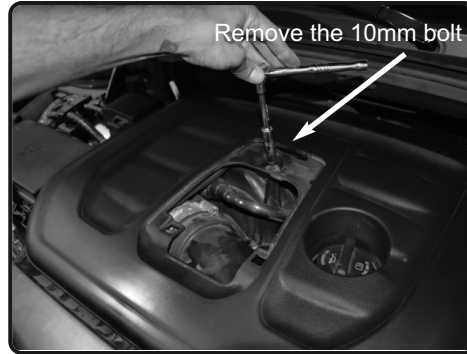


NOTE: DISCONNECT BATTERY BEFORE INSTALLATION!!!

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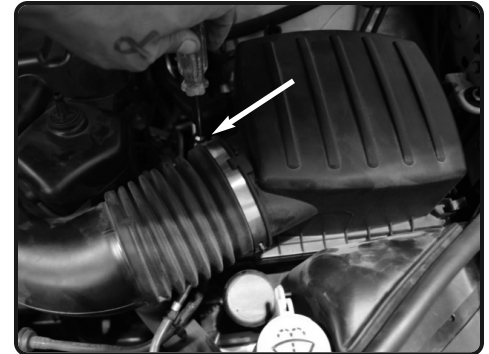
1. Stock intake system shown.



2. Loosen the cover cap and loosen the bolt holding in the engine cover. Lift up and remove the engine cover.



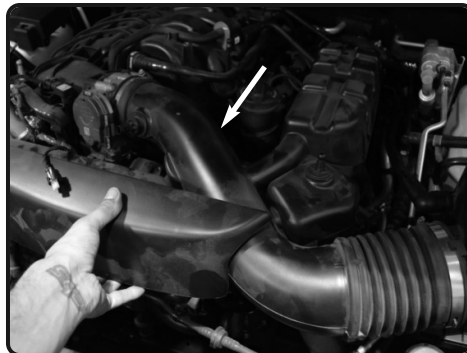
3. Loosen the clamp on the throttle body.



4. On the air box, loosen the clamp.



5. Disconnect the temperature sensor harness



6. Remove the intake tube out of vehicle.



7. Carefully pull back the rubber hood line trim from the air box ram inlet.



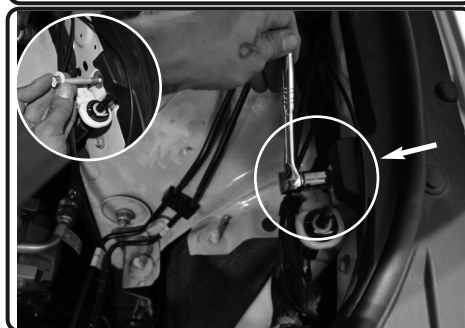
8. Pull back the crank case line from the air box.



9. Lift up and remove the air box out of the vehicle. Remove 1 of the grommets on the bottom of airbox that will be used on the new heatshield.



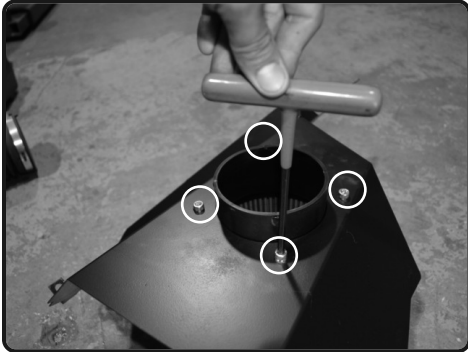
10. Turn and remove the temperature sensor out of the intake tube.



11. Loosen the bolt on the side of the fender compartment next to the hood push pin. Remove bolt and save for later install.



12. Loosen the 10mm bolt on the radiator support.



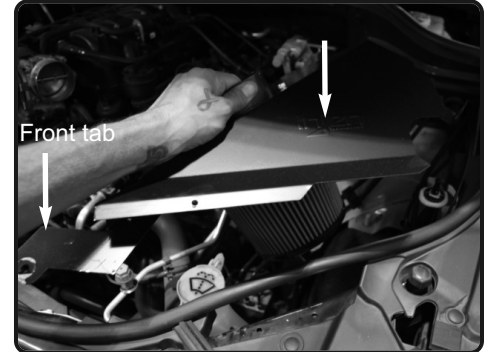
13. Install the provided adaptor to the inside of the heatshield. Secure using provided M6 socket cap screws.



14. Install the air filter to the adaptor and secure using 8mm nut driver.



15. Install the grommet from step 9 to the lower tab with hole cut out on heatshield.



16. Install the heatshield assembly into vehicle and position. Make sure the front tab goes under the plastic shroud.



17. Make sure the heatshield on tab is seated on the OEM stud with grommet.



18. Re-install the bolt from step 11 and secure the heatshield.



19. Re-install the bolt from step 12 and secure the heatshield tab under the plastic shroud cover.



20. Remove the rubber elbow coupler from the crankcase plastic line. Install provided 15mm hose.



21. Install the provided straight hose with clamps to the throttle body.



22. Install the provided rubber grommet to the hole on the intake tube.



23. Install the step hose to the intake tube with clamps and slide back. Install the intake tube to the vehicle and position to straight hose and adaptor

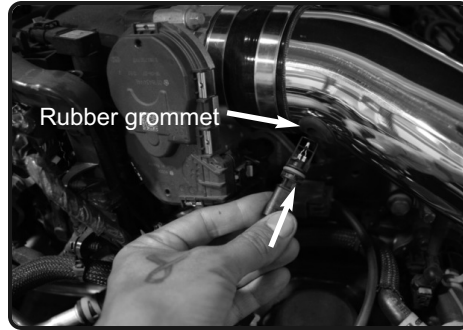


24. Slide step hose to the adaptor, Position for best fit. Secure and tighten.

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25. Secure and tighten clamp on throttle body.



26. Install the temperature sensor to the grommet on intake tube and secure. Re-connect the harness.



27. Connect the crank case line to the fitting on intake tube.



28. Install the engine cover and secure.



29. Check all fittings and clamps, and secure all screws. your installation is now complete.

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.