



INTERCOOLER PIPING SYSTEM

Part Number: SES9300ICP

Installation Instructions

YEAR	MAKE	MODEL	ENGINE
2021-2023	FORD	BRONCO	L4-2.3L TURBO

PARTS INCLUDED



ITEM	QTY	PART NO.	DESCRIPTION
A	1	W-SES9300ICP-1	HOT SIDE INTERCOOLER PIPE
B	1	W-SES9300ICP-2	COLD SIDE INTERCOOLER PIPE
C	2	X-14106	INTERCOOLER ADAPTER
D	3	X-3193	2.75" HUMP HOSE
E	1	X-3263	2.00"-2.75" ELBOW HOSE
F	7	X-4003	SAE 044 CLAMP
G	1	X-4008	SAE 032 CLAMP
H	3	X-6056	M6 X 1 X 12MM SOCKET HEAD BOLT
I	1	X-6005	M6 X 1 X 16MM HEX CAP BOLT

TOOLS REQUIRED

Ratcheting wrench

10mm socket

Flat head screwdriver

8mm socket

Needle nose pliers

7mm socket

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 intercooler piping systems. 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.

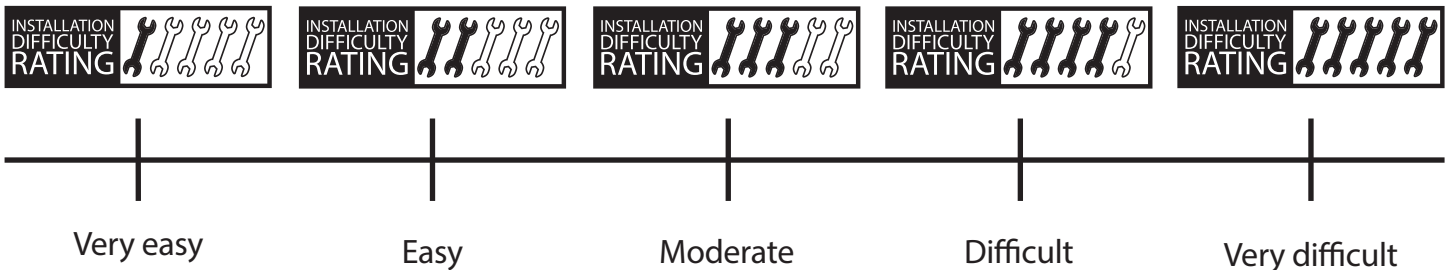
Do not attempt to install the intercooler piping system while the engine is hot. Severe burn could result from touching hot engine components.

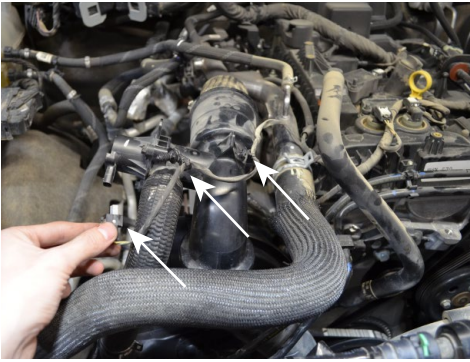
WARNING: Failure to follow installation instructions and not using the provided hardware may damage the intercooler piping system, engine, or components of either.

CARB Note: Injen intercooler piping 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 intercooler piping system for any future on-road use.

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

DIFFICULTY RATINGS

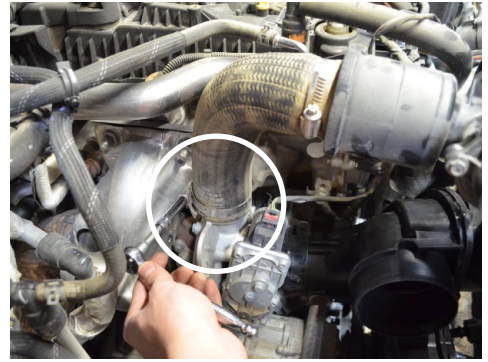




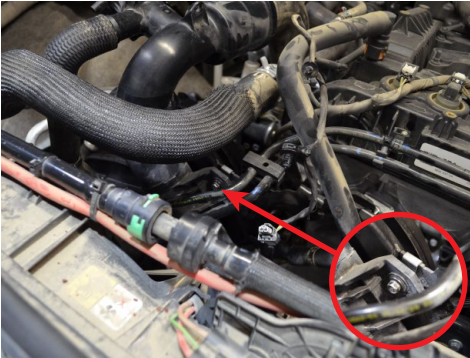
1. Disconnect the diverter valve harness, then detach the two xmas tree push clips.



2. Release the tension clamp on the diverter valve outlet hose then detach the diverter valve hose.



3. Loosen the clamp that's securing the intercooler hose to the turbo.



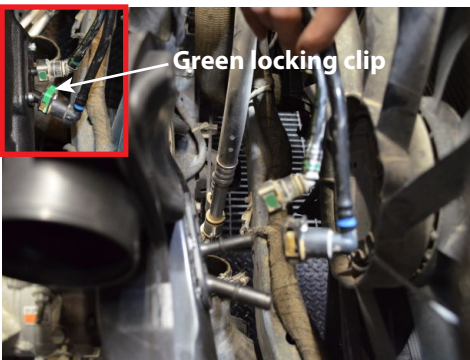
4. Remove the bolt securing the bracket on the intercooler pipe.



5. Remove the OEM skid plate.



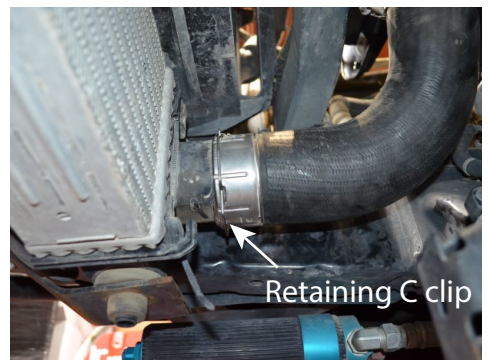
6. Loosen the clamp securing the bottom intercooler hose to the intercooler pipe.



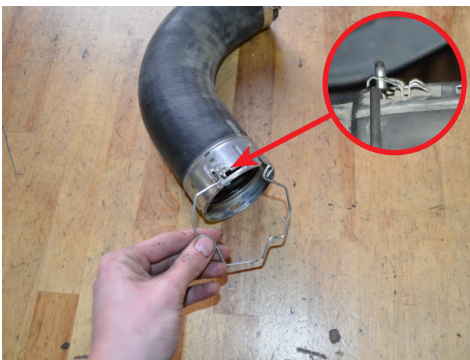
7. Remove the green locking clip then press the clips to release the locks. Disconnect the two crankcase lines connected to the ports on the intake tube.



8. Remove the OEM intercooler pipe from the vehicle.



9. Disengage the retaining C clip by prying down on the clip until it snaps into the unlock position. Once released, remove the intercooler hose.



10. Pry up on the clips securing the C clip, then remove the C clip from the intercooler hose.



11. Remove the O-Ring from the intercooler hose. **Note the direction it was removed in.**



12. Install the OEM O-Ring onto the intercooler adapter **in the same direction it was removed.**



13. Install the retaining clip onto the intercooler adapter.



14. Install the 2.75" hump hose onto the intercooler adapter. Only secure the clamp on the adapter side.



15. Install the intercooler adapter onto the intercooler inlet. A clicking sound will confirm it is properly secured.



16. Install the 2.00"-2.75" elbow hose onto the turbo outlet. Only secure the clamp on the 2.00" side.



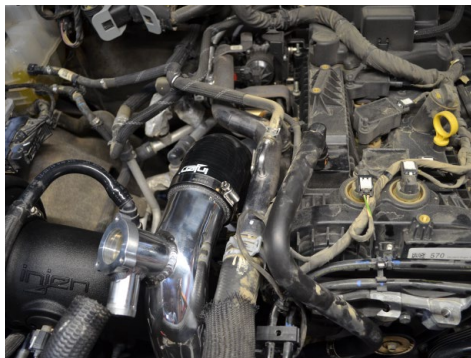
17. Install the injen hot side intercooler pipe. Insert the pipe into the bottom hose first, then into the elbow hose.



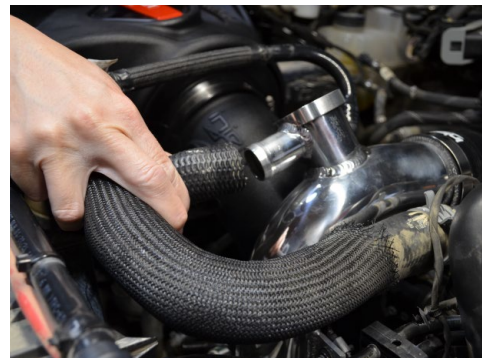
18. Secure the bracket on the intercooler pipe with the OEM bolt.



19. Once in position, secure all clamps on the 2.75" hump hose.



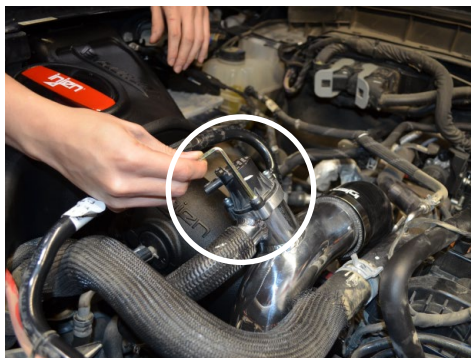
20. Once in position, secure all clamps on the 2.00"-2.75" elbow hose.



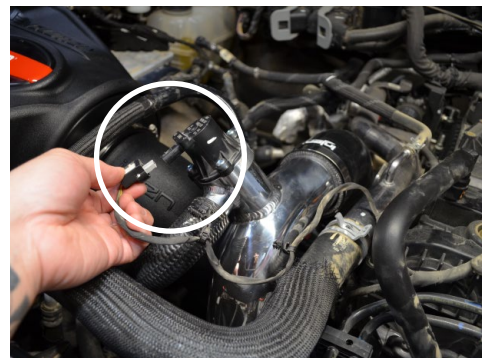
21. Reattach the diverter valve outlet hose, then secure with the OEM tension clamp.



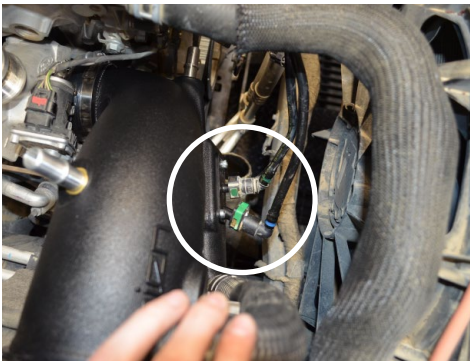
22. Remove the three bolts securing the diverter valve, then remove the diverter valve.



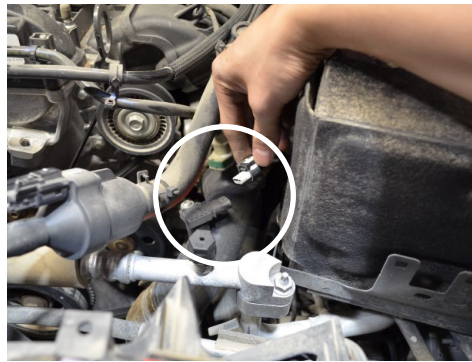
23. Reinstall the diverter valve to the injen intercooler pipe. Secure using the provided M6 socket head bolts.



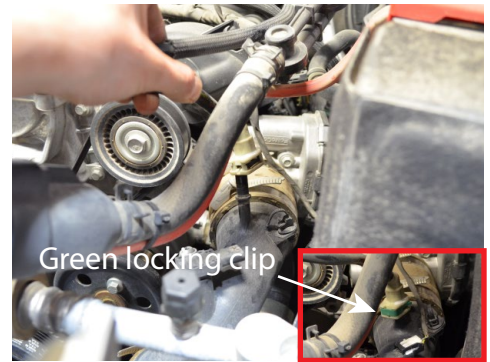
24. Reconnect the diverter valve harness.



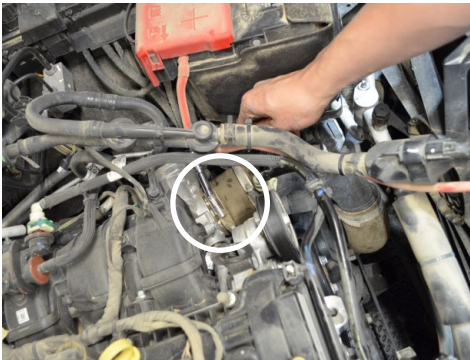
25. Reconnect the crank case lines to the intake tube ports. Reinstall the green locking clip.



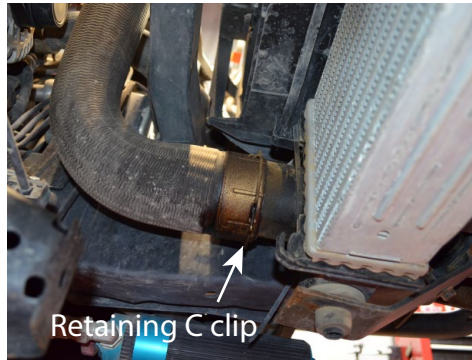
26. Disconnect the pressure sensor harness on the OEM cold side intercooler pipe.



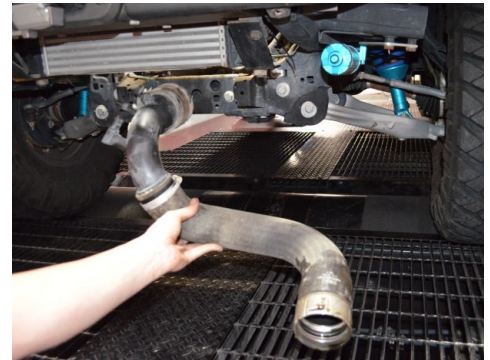
27. Remove the green locking clip on the crank case line, then press the black locking clip to release the crank case line.



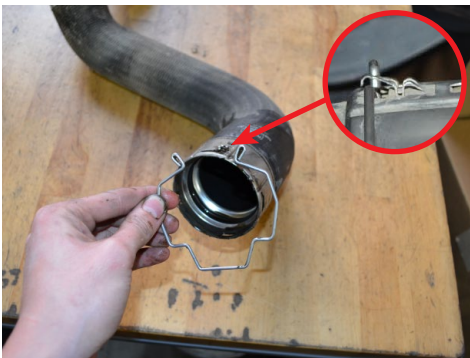
28. Loosen the clamp that secures the cold side intercooler pipe to the throttle body.



29. Disengage the retaining C clip by prying down on the clip until it snaps into the unlock position. Once released, detach the intercooler hose.



30. Remove the cold side intercooler pipe.



31. Pry up on the clips securing the C clip, then remove the C clip from the intercooler hose.



32. Remove the O-Ring from the intercooler hose. **Note the direction it was removed in.**



33. Install the OEM O-Ring onto the intercooler adapter **in the same direction it was removed.**



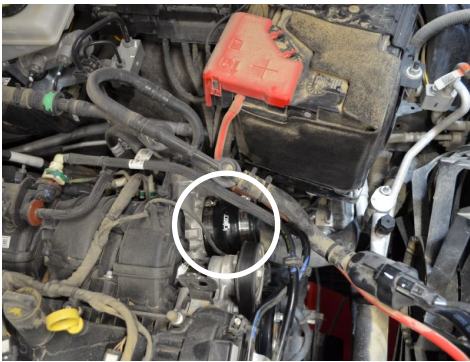
34. Install the retaining clip onto the intercooler adapter.



35. Install the 2.75" hump hose onto the intercooler adapter. Only secure the clamp on the adapter side.



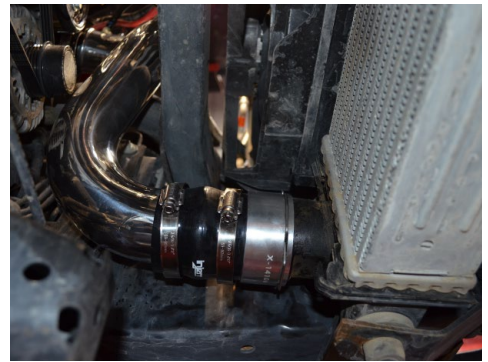
36. Install the intercooler adapter onto the intercooler outlet. A clicking sound will confirm it is properly secured.



37. Install the 2.75" hump hose onto the throttle body. Only secure the clamp on the throttle body side.



38. Install the cold side intercooler pipe. Insert the pipe into the bottom hose first, then into the top hose.



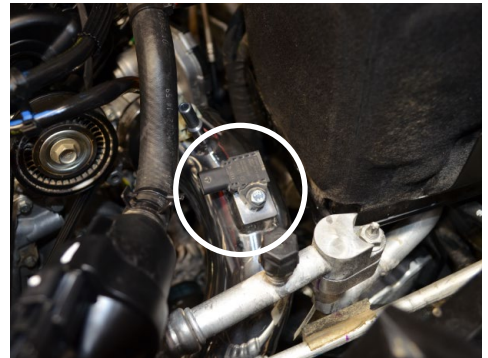
39. Once in position, secure all clamps on the bottom 2.75" hump hose.



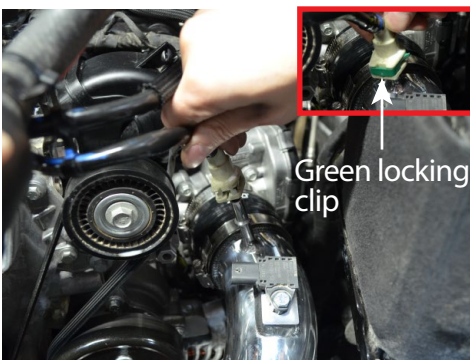
40. Once in position, secure all clamps on the top 2.75" hump hose.



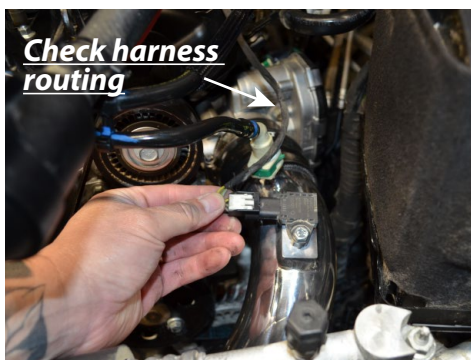
41. Remove the pressure sensor from the OEM cold side intercooler pipe.



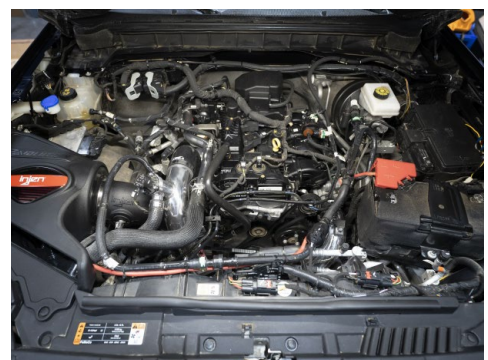
42. Install the OEM pressure sensor onto the injen intercooler pipe. Secure using the provided M6 x 1.0 Hex bolt.



43. Reconnect the crank case line onto the intercooler pipe. Reinstall the green locking clip.



44. Reconnect the pressure sensor harness. **Ensure the harness is routed on the outside of the crankcase line.**



45. Ensure all bolts and clamps are properly secured, then ensure all harnesses and crank case lines are reconnected. Finally, reinstall the OEM skid plate.

CONGRATULATIONS! You have just completed the installation of this intercooler piping system. Periodically, check the alignment of the intercooler piping, 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 intercooler piping can cause damage that will void the warranty. Injen Technology is not responsible for any damages caused by/from improper installation.