



Performance Intercooler Pipe Kit Part Number: 17-138

**GMC Sierra 6.6L V8 Diesel Turbo LML
Chevy Silverado 6.6L V8 Diesel Turbo LML
(2011-2016)**

Installation Instructions

For technical inquiries please email us at tech@hpsperformanceproducts.com

In the email, please include the following information for faster response:

- Year / Make / Model / Engine of your vehicle.
- If it is a fitment issue, please include pictures showing the fitment problem.
- If there are missing parts, please list the part number(s) from the bill of materials on the 2nd page.
- Optional but recommended – Your contact phone number and preferred call back time.

You can also give us a call via 626-747-9200 for tech support Monday-Friday, 9:00am-4:30pm Pacific Time.

Bill of Materials

Kit Number: 17-138

Description	Prep	Part Number	Qty	Check
Cold Side Intercooler Pipe	1	529-866	1	
Hot Side Intercooler Pipe	1	529-867	1	
Hot Side Intercooler Pipe	1	529-868	1	
Spring Loaded T-Bolt Clamp for 2.50" Hose	2	SLTC-250	1	
Spring Loaded T-Bolt Clamp for 3.00" Hose	2	SLTC-325	7	
Spring Loaded T-Bolt Clamp for 3.50" Hose	2	SLTC-362	2	
2.38" – 3.00" Reducer Coupler	2	CH-660LML	1	
3.00" - 3.12" Reducer Coupler x 3" Long	2	CH-661LML	1	
3.00" Hump Coupler x 3" Long	2	CH-662LML	1	
3.12" – 3.50" Reducer Coupler x 3" Long	2	CH-663LML	2	

- **Before installing any parts of this charge pipe system, please read the instructions thoroughly.**
- **Verify the contents of this charge pipe system before disassembling your vehicle.**
- **Report any defective or missing parts to HPS directly. The HPS dealer you purchased this product from might not have the replacement parts you need.**
- **Installation requires moderate mechanical skills. A qualified mechanic is highly recommended.**
- **Do not attempt to install the charge pipe system while the engine is hot.**
- **This installation may require removal of coolant lines that may be hot.**
- **For technical inquiries, please e-mail us at tech@hpsperformanceproducts.com**

PLEASE READ CAREFULLY BEFORE INSTALLATION!

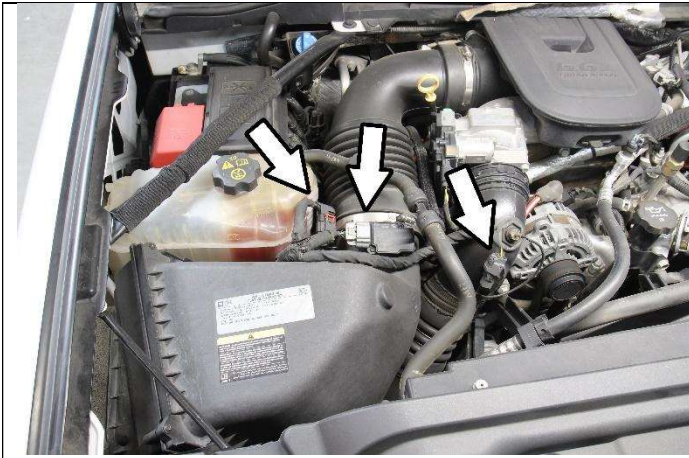
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.

GETTING STARTED

1. Turn the ignition OFF and disconnect the vehicle's negative battery cable. If the engine has run within the past two hours let it cool down.

NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles' anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.



2. Disconnect the electrical harness connector from the sensors located on the air box and the cold side charge pipe.



3. Loosen the hose clamp securing the factory hose from the air box and the turbo inlet.



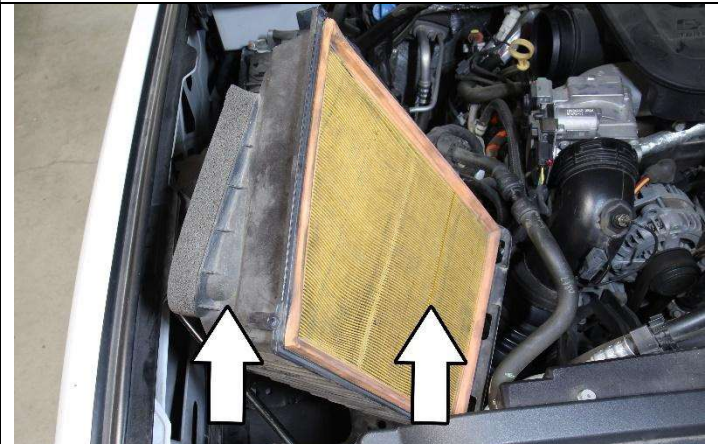
4. Remove the factory intake hose from the vehicle.



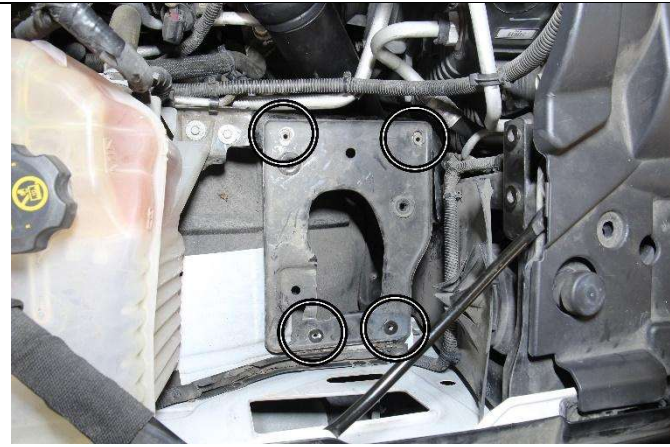
5. Loosen the two bolts securing the upper air box assembly.



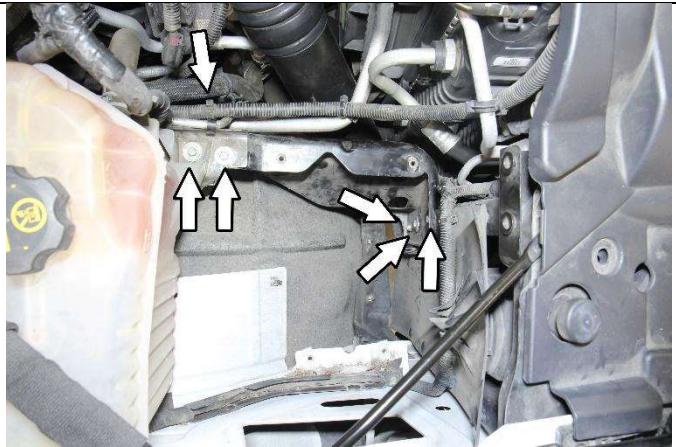
6. Remove the upper air box assembly from the vehicle.



7. Lift up gently and disconnect the lower air box assembly from the rubber grommets. Remove the lower air box assembly from the vehicle.



8. Remove the four bolts securing the air box bracket and remove the bracket from the vehicle.



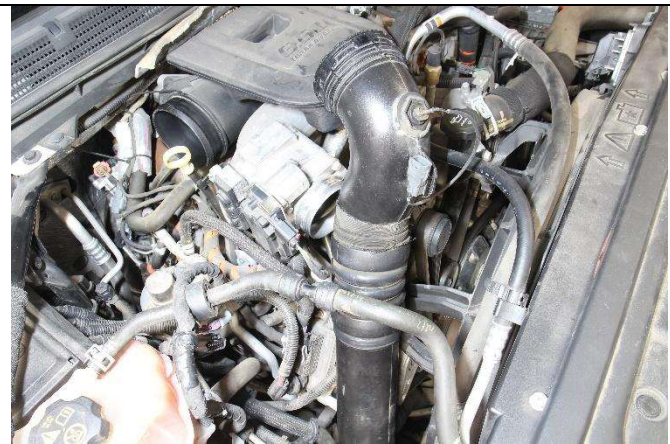
9. Remove the 5 remaining bolts securing the air box bracket from the coolant reservoir and remove the bracket from the vehicle.



10. Using a flat head screwdriver, rotate the locking mechanism counterclockwise to release the charge pipe from the intercooler.



11. Using a flat head screwdriver, rotate the locking mechanism counterclockwise to release the charge pipe from the throttle body.



12. Remove the cold side charge pipe from the vehicle.



13. Remove the temperature sensor from the factory charge pipe to the HPS charge pipe.



14. Insert the provided silicone reducer coupler along with the t-bolt clamps onto the end of the charge pipe indicated above.



15. Install the remaining reducer coupler onto the throttle body along with the provided t-bolt clamps.



16. Insert the HPS charge pipe into the vehicle by inserting the charge pipe onto the intercooler side first.



17. Insert the charge pipe into the throttle body coupler. Adjust the charge pipe into position and secure all the t-bolt clamps. Re-connect the air temperature sensor electrical harness.



18. Re-install the factory air intake back into the vehicle.



19. Loosen the hose clamp securing the hot side charge pipe from the turbo outlet.



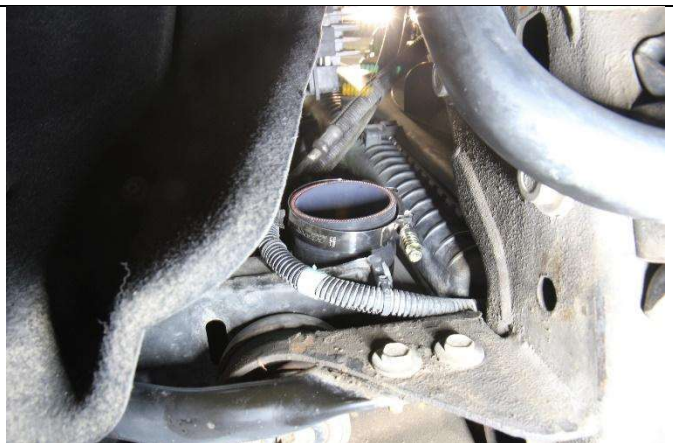
20. In this case, the hose clamp was facing the top of the engine. Loosen the hose clamp securing the charge pipe to the intercooler from the top of engine using a long extension.



21. With an assistant, remove the hot side charge pipe by guiding the pipe towards the top.



22. Install the long reducer coupler, along with the provided t-bolt clamps onto the turbo outlet.



23. Install the other reducer coupler, along with the provided t-bolt clamps onto the intercooler inlet.



24. Install the hump coupler onto the long side of the hot side charge pipe.



25. Carefully, insert the hot side charge pipe to the intercooler inlet.



26. Insert the t-bolt clamp onto the hump coupler and install the remaining hot side charge pipe into the vehicle.

Final Steps

Once the intercooler pipes have been positioned and checked for clearance, tighten all of the clamps and secure all of the parts.

Upon completion of the installation, reconnect the negative battery terminal before you start the engine. Double check to make sure everything is tight and properly positioned before starting the vehicle.

Start the engine. Let the car idle for 3 minutes. Perform a final inspection before driving. 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 may be causing leaks or rattles and correct the problem.

Periodically, recheck the alignment of the intercooler pipes and make sure there is proper clearance around and along the length of the intercooler pipes. Failure to follow proper maintenance procedures may cause damage and void your warranty.

