



## **Performance Intercooler Pipe Kit Part Number: 17-120**

**2017-2020 Chevy Silverado 2500/3500  
2017-2020 GMC Sierra 2500/3500  
(6.6L DURAMAX DIESEL)**

## **Installation Instructions**

For technical inquiries please email us at [tech@hpsperformanceproducts.com](mailto: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-5:00pm Pacific Time.

# Bill of Materials

## Kit Number: 17-120

Description	Prep	Part Number	Qty	Check
Cold Side Intercooler Pipe #1	1	529-561	1	
Cold Side Intercooler Pipe #2	1	529-562	1	
O-Ring x 72mm ID	2	9262K371	1	
T-Bolt Clamp for 3.12" Hose	3	SSTC-89-97	2	
T-Bolt Clamp for 3.50" Hose	3	SSTC-95-103	2	
3.18" Straight Hump Coupler x 3" Length	3	HTSHC-312	1	
3.50" Straight Hump Coupler x 6" Length	3	HTSHC-350-L6	1	

- Before installing any parts of this intercooler pipe system, please read the instructions thoroughly.
- Verify the contents of this intercooler pipe kit before disassembling your vehicle.
- DO NOT INSTALL IF ANY PARTS ARE MISSING OR DAMAGED. CONTACT [tech@hpsperformanceproducts.com](mailto:tech@hpsperformanceproducts.com) IMMEDIATELY. WE ARE NOT RESPONSIBLE FOR ANY DAMAGE CAUSED DUE TO IMPROPER INSTALLATION.
- Installation requires moderate mechanical skills. A qualified mechanic is highly recommended.
- Do not attempt to install the intercooler 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](mailto:tech@hpsperformanceproducts.com)

## **PLEASE READ CAREFULLY BEFORE INSTALLATION!**

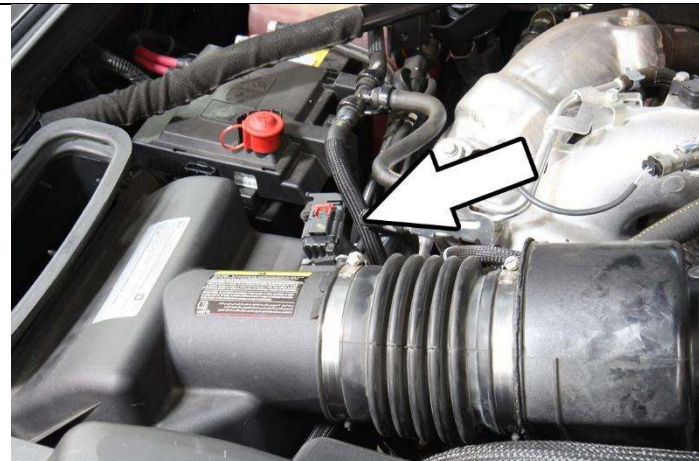
This installation is not for the novice customer. Install this product with EXTREME caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

**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.



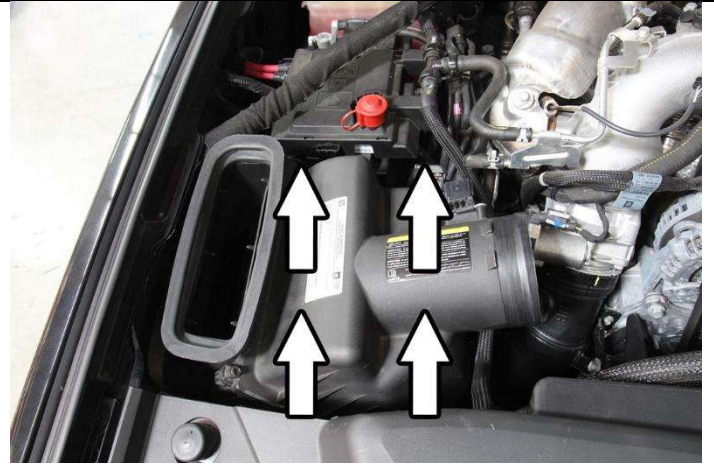
2. Disconnect the mass air flow sensor harness connector from the MAF sensor.



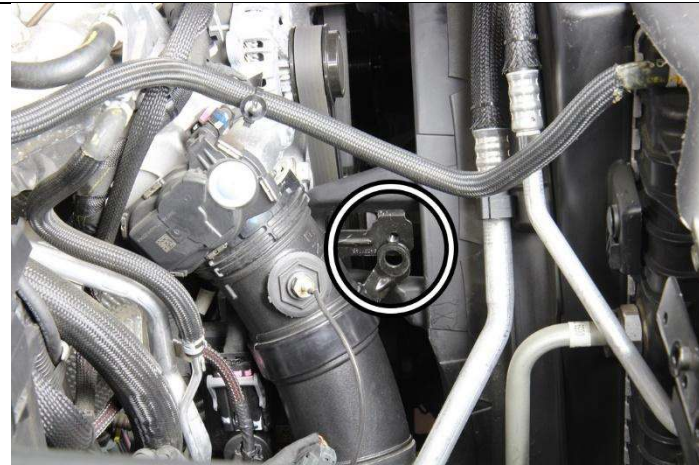
3. Loosen the 8mm hose clamps securing the intake tube from the air box and the turbo coupler.



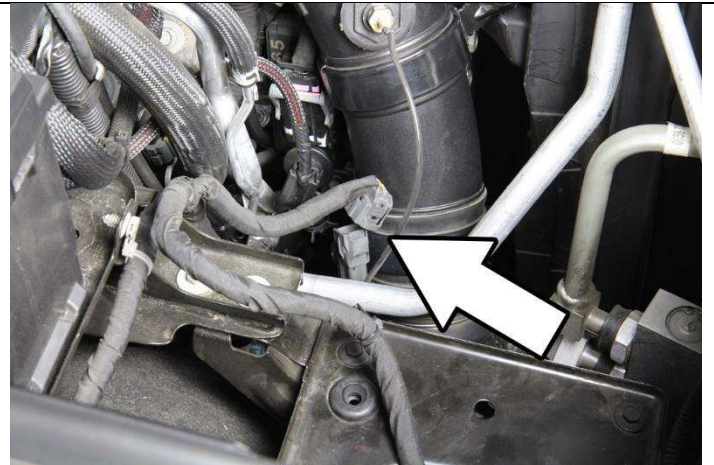
4. Disconnect the coolant hose clip and the MAF sensor harness clip from the air box assembly.



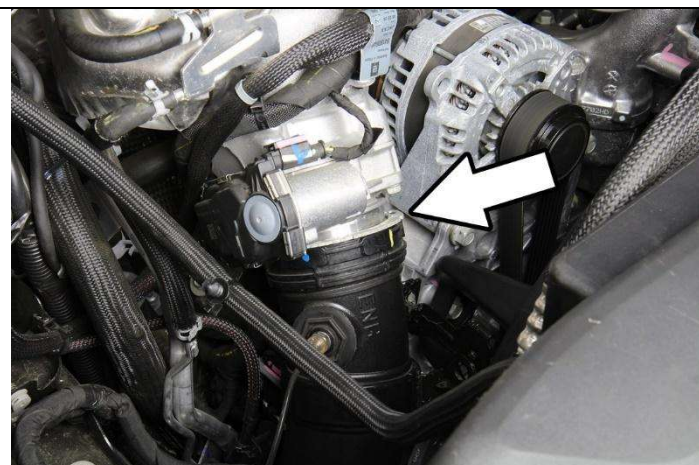
5. \* Move the overflow hose that goes to the radiator away from the air box before removing the air box. This is to avoid damaging the barb on the radiator. Lift the air box assembly from its grommets and remove the air box from the vehicle.



5. Remove the bolt securing the charge-pipe to the mounting bracket.



6. Disconnect the temperature sensor harness from the connector.



7. Disconnect the stock intercooler tube from the throttle body by rotating the grey ring to the left and pulling the tube downwards.



8. Lift up both sides of the retaining clip using a flat head screwdriver to loosen and remove the intercooler tube from the intercooler side.



9. Remove the cold side intercooler tube assembly from the vehicle.



10. Using a 14mm open wrench, loosen and remove the temperature sensor and electrical harness from the stock charge pipe.



11. Install the temperature sensor onto the HPS charge pipe #1.



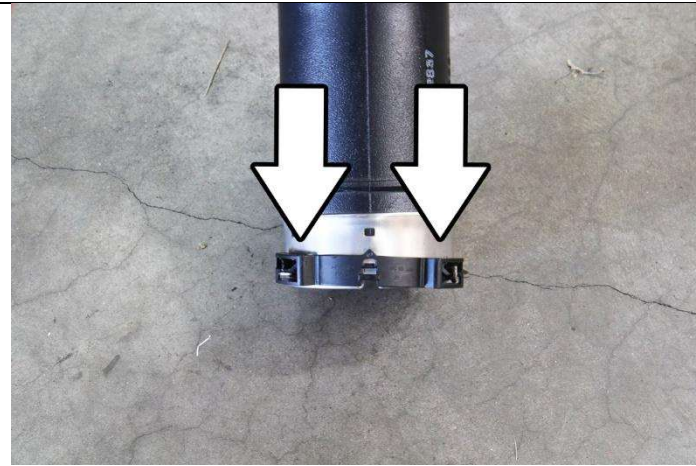
12. Insert the hump coupler along with the provided t-bolt clamps onto the HPS charge pipe #1.



13. Insert the provided O-ring into the HPS charge pipe #2 quick connect.



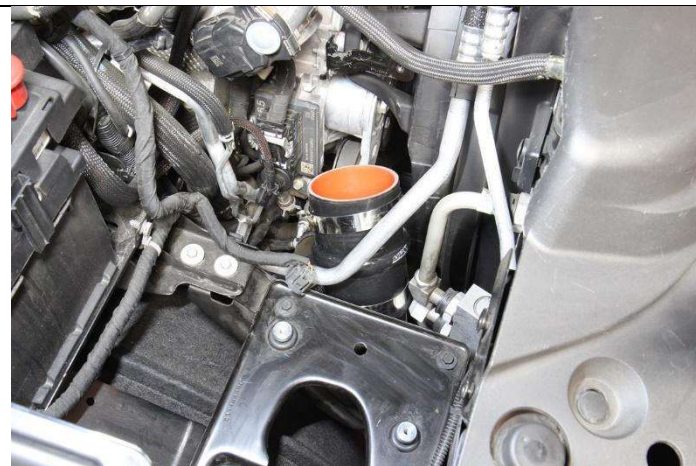
14. Install the 6-inch hump coupler along with the provided T-bolt clamps onto the charge pipe #2.



15. Remove the plastic clip from the stock charge pipe by tapping downwards on the indicated areas shown above.



16. Once the plastic clip is removed you can now remove the metal retaining clip from the stock charge pipe.



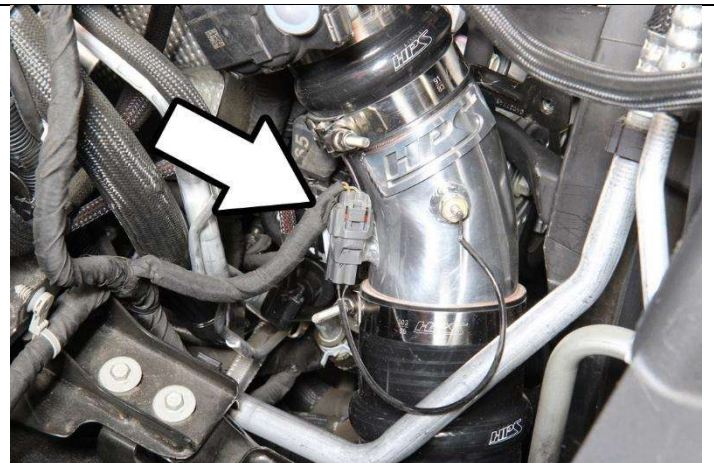
17. Insert the metal retaining clip into the HPS charge pipe #2. Then install the charge pipe #2 into the vehicle. \* You should be able to hear the retaining clip lock into the intercooler.



18. Insert the HPS charge pipe #1 into the charge pipe #2 until the coupler hits the sensor bracket.



19. Rotate the charge pipe and insert the coupler onto the throttle body. Secure all the hose clamps once the charge pipes are properly positioned..



20. Re-connect the temperature sensor harness connector. Re-install the air box assembly and the intercooler pipe tube.

## **Final Steps**

Once the intercooler pipe(s) has 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 vehicle. 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 pipe system and make sure there is proper clearance around and along the length of the intercooler pipe. Failure to follow proper maintenance procedures may cause damage to the intercooler pipe and will void the warranty.