



Performance Intercooler Pipe Kit

Part Number: 17-105

**2003-2007 Ford F250/F350/F450/F550
Super Duty 6.0L Powerstroke**

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

Part Number: 17-105

Description	Prep	Part Number	Qty	Check
Hot side Intercooler Pipe	1	529-225	1	
Cold side intercooler pipe	1	529-226	1	
Hot Pipe Support Bracket	2	530-392	1	
M6 Flange Nut	2	HW-N6	1	
M6 Flat Washer 16mm OD	2	HW-FW6L	1	
Rubber Vibration Mount M6 3/4" Tall	2	HW-RM6-75	1	
M6 Bolt 12mm Long	2	HW-B6-12	1	
Turbo outlet boot	57-1537	ORCH-HOT-102	1	
CAC inlet boot	57-1537	ORCH-HOT-101	1	
CAC outlet boot	57-1537	ORCH-HOT-710	1	
Intake manifold inlet boot	57-1537	ORCH-HOT-711	1	
SLTC-325	57-1537	SLTC-325	5	
SLTC-275	57-1537	SLTC-275	2	
SLTC-350	57-1537	SLTC-350	1	

- Before installing any parts of this intercooler piping kit, please read the instructions thoroughly.
- Verify the contents of this intercooler piping kit 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 intercooler piping kit 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 system with EXTREME caution! Misuse of this product can destroy your engine! If you are not well versed in the installation of intakes and if you are not mechanically inclined, please have a tuner shop install this kit.

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

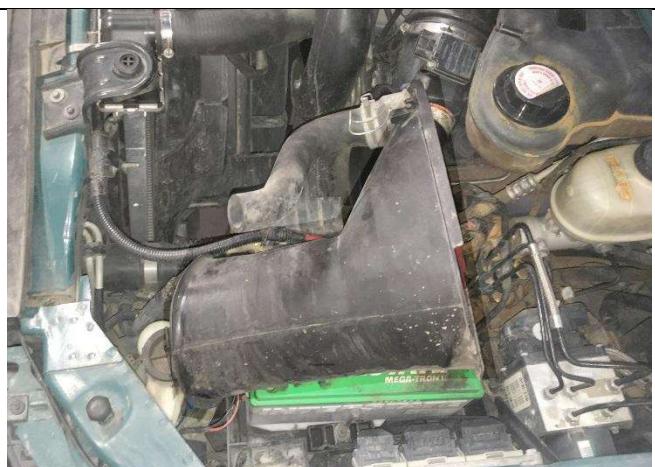
GETTING STARTED

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. Unbuckle and remove the factory air filter housing.



3. Remove the air duct located towards the front of the vehicle.



4. Disconnect both battery cables. Loosen and remove the battery hold down bracket using a 8mm socket. Remove the battery from the engine bay.



5. Use a 13mm socket to remove the bolts on the battery tray. Remove the battery tray from the engine bay.



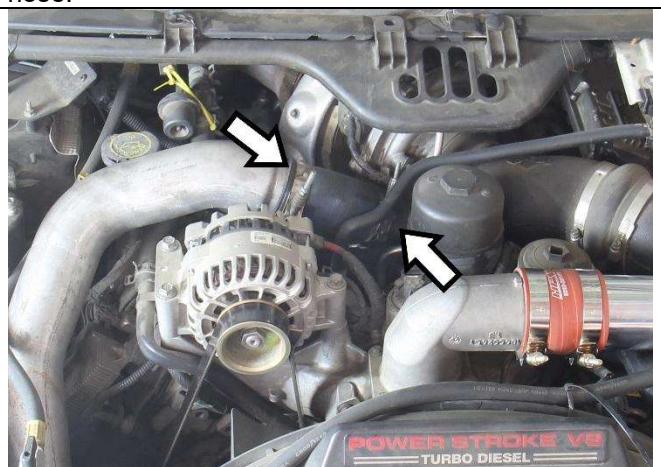
6. Loosen the clamps on the factory driver side intercooler pipe. Once loosened, you may remove the pipe from the engine bay.



7. Install the hose "ORCH-HOT-710" onto the driver side intercooler outlet with the supplied clamps. Once tightened, loosely fit the intercooler pipe onto the hose.



8. Install hose "ORCH-HOT-711" onto the intake manifold inlet and connect the intercooler pipe onto it. Be sure to install the longer side of the hose onto the intake manifold inlet and the shorter side onto the intercooler pipe.



9. Loosen the hose on the turbocharger outlet.



10. Loosen the hose on the passenger side of the intercooler, then remove the factory intercooler pipe from the engine bay.



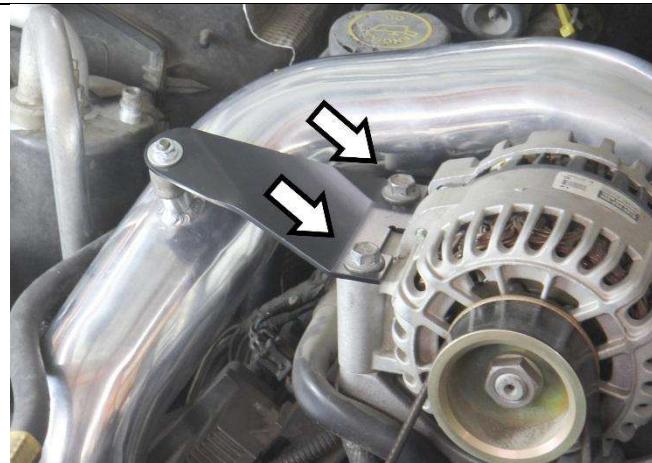
11. Insert the hose "ORCH-HOT-102" onto the turbocharge outlet. Loosely place the small spring loaded T-bolt clamps onto the hose.



12. Install the hose "ORCH-HOT-101" onto the passenger side intercooler inlet.



13. Install the intercooler pipe as shown. Do not clamp down at this time as further adjustment is needed.



14. Loosen and remove the two bolts indicated and install the hot side pipe support bracket. Torque the bolts down to 35 lb-ft.



15. Install the rubber vibration mount onto the mounting bung on the intercooler pipe, then secure the mount to the hot pipe support bracket using the included nut and washer.



16. Tighten all of the clamps to 35 in-lb to secure the pipes and hoses in place.

Final Steps

Once the intake has been positioned, 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 piping kit 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.