



Performance Charge Pipe Kit (Hot Side) Part Number: 17-171

**2003-2007 Ford F-250 Super Duty 6.0L Powerstroke
2003-2007 Ford F-350 Super Duty 6.0L Powerstroke
2003-2007 Ford F-450 Super Duty 6.0L Powerstroke
2003-2007 Ford F-550 Super Duty 6.0L Powerstroke
(Single Alternator vehicles ONLY)**

Installation Instructions

For technical inquiries please email us at tech@hpsperformance.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: 17-171

Line #	Description	Part Number	Qty
1	Hot Side Charge Pipe	529-225	1
2	Hot Pipe Support Bracket	530-392	1
3	CAC Inlet Boot, Orange	ORCH-HOT-101	1
4	Turbo Outlet Boot, Orange	ORCH-HOT-102	1
5	Spring Loaded T-Bolt Clamp, 70mm-78mm	SLTC-275	2
6	Spring Loaded T-Bolt Clamp, 83mm-91mm	SLTC-325	1
7	Spring Loaded T-Bolt Clamp, 89mm-97mm	SLTC-350	1
8	Rubber Vibration Mount M6 3/4" Tall, Male to Female	HW-RM6-75-MF	1
9	M6 Bolt 12mm Long	HW-B6-12	1
10	M6 Flat Washer 16mm OD	HW-FW6L	1

- **Before installing any parts of this charge pipe kit, please read the instructions thoroughly.**
- **Verify the contents of this charge pipe kit before disassembling your vehicle.**
- **DO NOT INSTALL IF ANY PARTS ARE MISSING OR DAMAGED. CONTACT tech@hpsperformance.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 charge pipe kit while the engine is hot.**
- **This installation may require removal of coolant lines that may be hot.**
- **For technical inquiries, please email us at tech@hpsperformance.com**

PLEASE READ CAREFULLY BEFORE INSTALLATION!

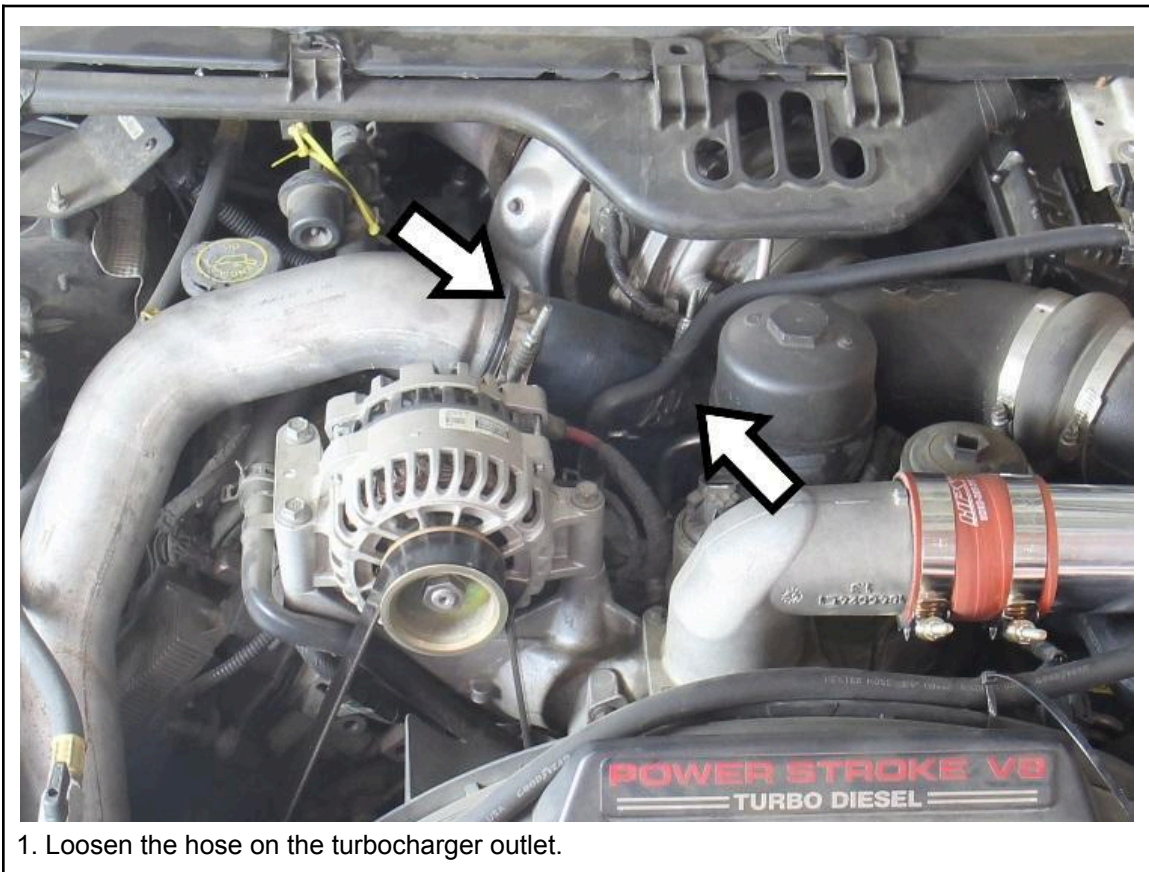
This installation is not for the novice customer. Install this product with **EXTREME** caution! Misuse of this product can destroy your engine! If you are not mechanically inclined, please have a professional automotive mechanic install this kit.

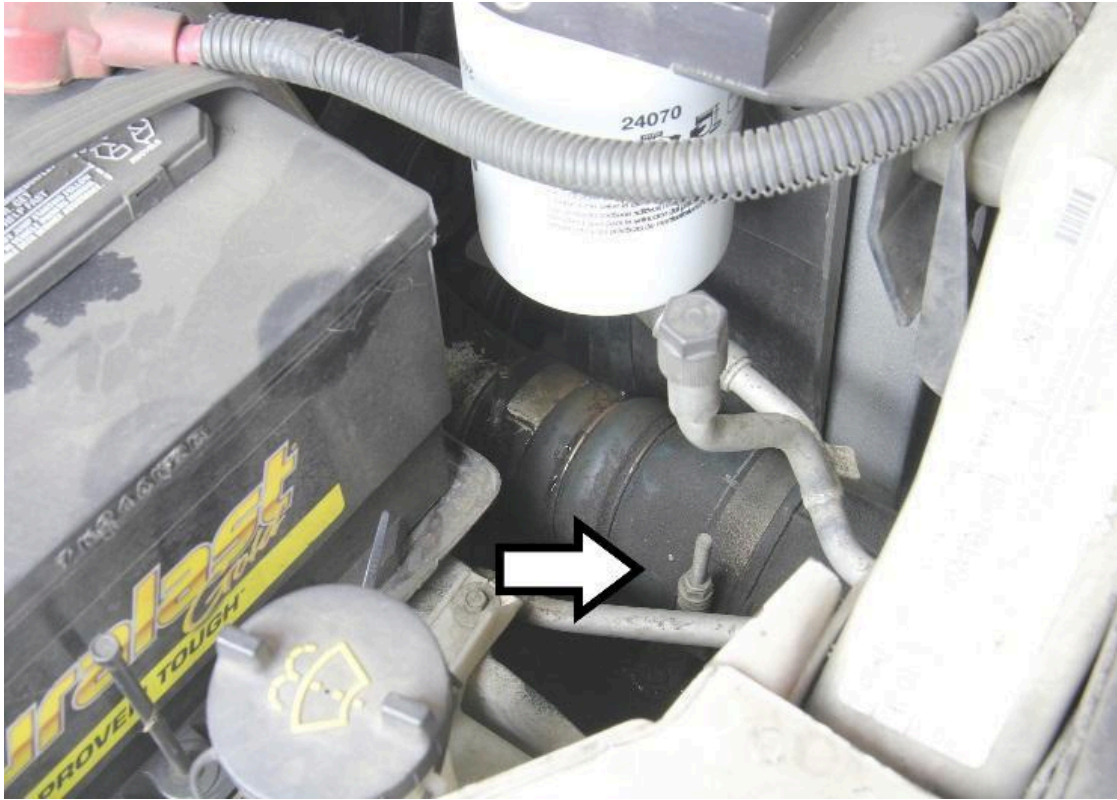
NOTE: HPS holds no responsibility for any engine damage that results from misuse of this product.

GETTING STARTED

1. Turn the ignition OFF and disconnect both of the vehicle's battery's negative cables . 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 vehicle's anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code. We also highly recommend NOT discarding any stock parts after the installation.





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



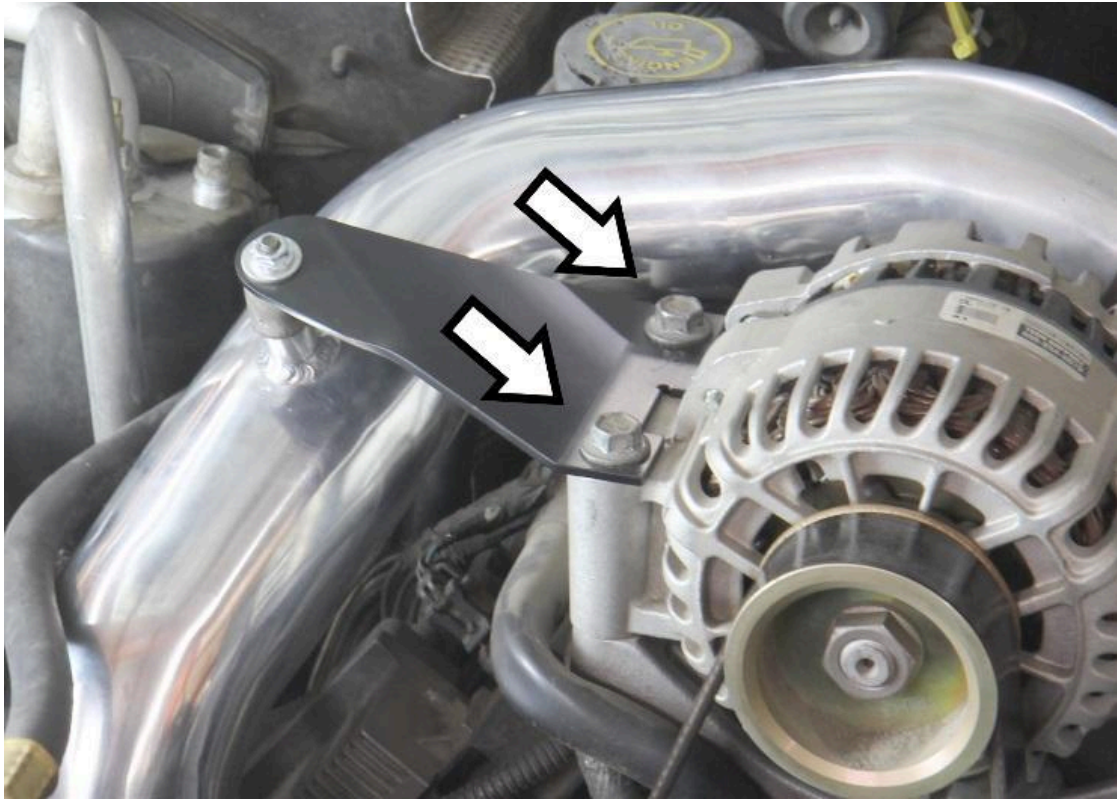
3. Insert hose "ORCH-HOT-102" onto the turbocharge outlet. Loosely place the small spring loaded T-bolt clamps onto the hose.



4. Install hose "ORCH-HOT-101" along with the provided spring loaded T-bolt clamps onto the passenger side charge inlet.



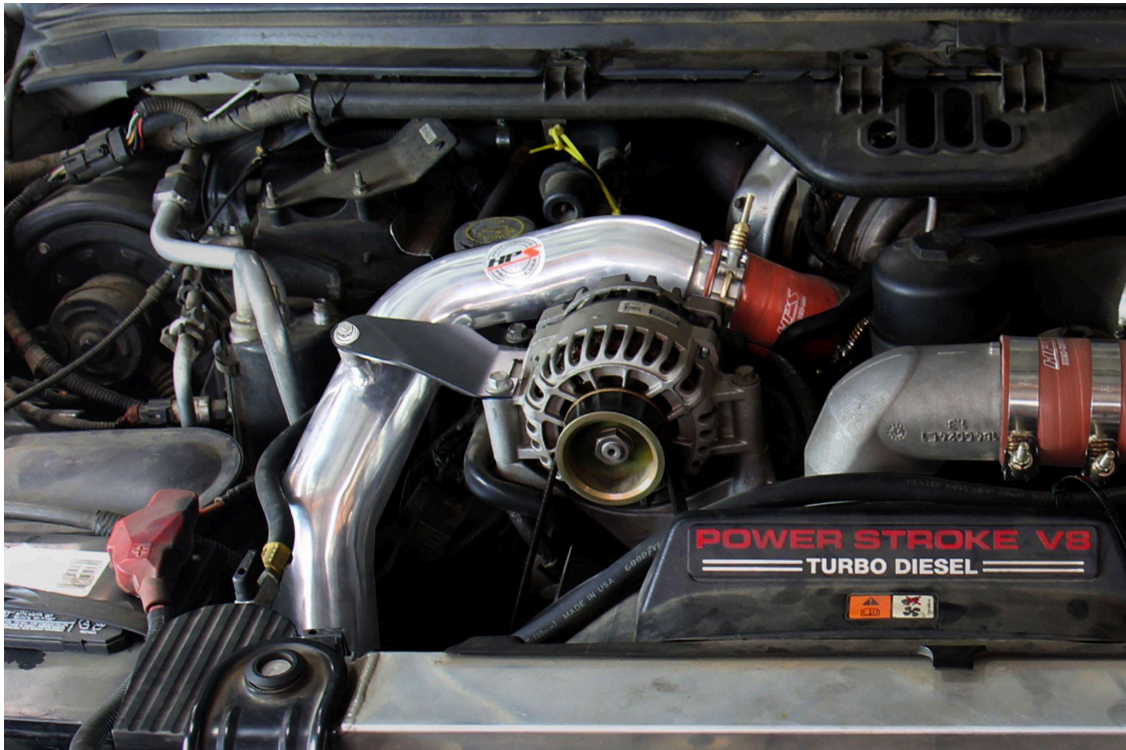
5. Install the charge pipe as shown. Do not clamp down at this time as further adjustment is needed.



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



7. Install the rubber vibration mount onto the mounting bung on the charge pipe, then secure the mount to the hot pipe support bracket using the included bolt and washer.



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

FINAL STEPS

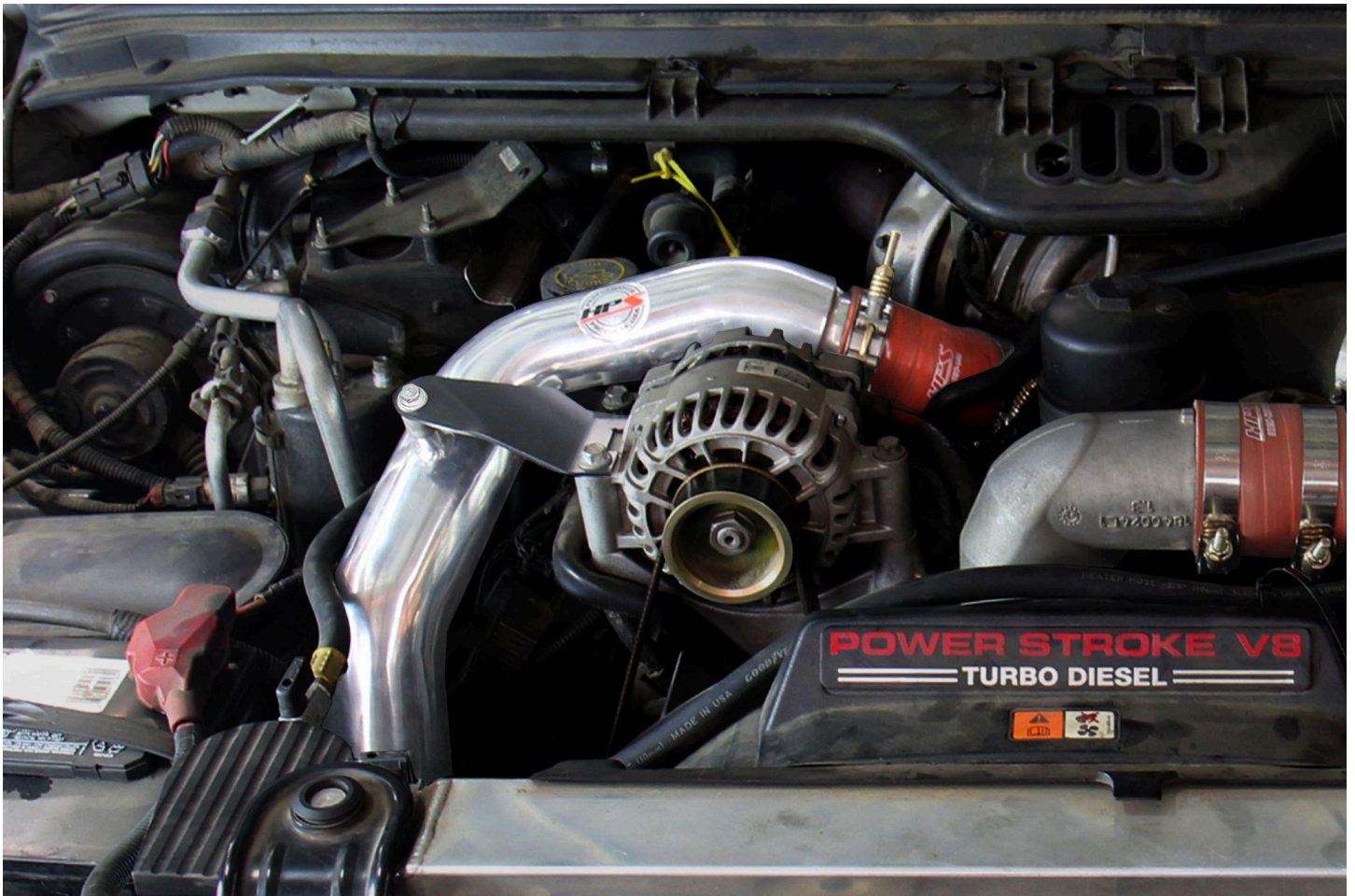
Once the charge pipe has been positioned, tighten all of the clamps and secure all of the parts.

Reinstall the battery tray and intake system.

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 charge pipe and make sure there is proper clearance around and along the length of the pipe. Failure to follow proper maintenance procedures may cause damage to the charge pipe and will void the warranty.



Also available for
2003-2007 Ford F-250 / F-350 / F-450 / F-550
Super Duty 6.0L Powerstroke Diesel



HPS Silicone Radiator Coolant Hose klt
Part Number [57-1214](#)



HPS Silicone Heater Coolant Hose Kit
Part Number [57-2120](#)



HPS Silicone Coolant Tank Supply Hose Kit
Part Number [57-2119](#)

**Contact an authorized HPS Performance dealer or
visit us at hpsperformance.com for more details**