

SINISTER DIESEL



2008-2010

FORD 6.4L POWERSTROKE

HOT SIDE CHARGE PIPE



DISCLAIMER

- 1) By installing this product onto your vehicle, you assume all risk and liability associated with its use.
- 2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering inoperative of any part of the design affecting emissions or safety on motor vehicles used on a public street or highway. Violation may result in a fine of up to \$32,500 per vehicle (or possibly higher depending on changes in the law). All civil penalties and fines for removing your vehicle's emissions equipment are the sole responsibility of the end user.
- 3) Due to its high performance nature, this product may void vehicle manufacturer's warranty.
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- 5) Depending on where you live, restrictions may apply. Check all applicable laws before installing or using!
- 6) The purchaser and end user releases, indemnifies, discharges and holds harmless Sinister Mfg Company, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Sinister Mfg Company, Inc. will not be liable for any direct, indirect, consequential, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.

6.4L Powerstroke Hot Side Charge Pipe



PACKING LIST:

<u>QTY.</u>	<u>Description</u>
1	Long Charge Pipe Section
1	Short Charge Pipe Section
1	Silicone Boot 3"-3.25"ID x 5.375" Long
2	Silicone Boot 3" ID x 4" Long
1	Spring Clamp 90-98mm
5	Spring Clamp 84-92MM

Recommended Tools

3/8" Ratchet and Impact or Air Wrench
8, 11 and 15mm Deep Sockets
3/8" U-joint Adater and Extension
11mm Combo or Gear Wrench
Reciprocating Saw w/ 5" Metal Blade
Plastic Clip Removal Tool

Read all instructions prior to install.

Note: Prior to installation, please compare the parts that you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation.



CAUTION!!! Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

Note: *These instructions require cutting the factory Intercooler pipe for ease of removal. If you wish to save the factory part without cutting it, you will have to drain the coolant, remove the radiator and components around it.*

Step 1: Using an 8mm socket, remove the two bolts securing the power steering fluid tank to the fan shroud. *(Image 1)*



Image 1

Step 2: Using an 11mm deep socket, loosen both top charge pipe clamps. Remove the coupling boot and both clamps along with it. *(Image 2)*

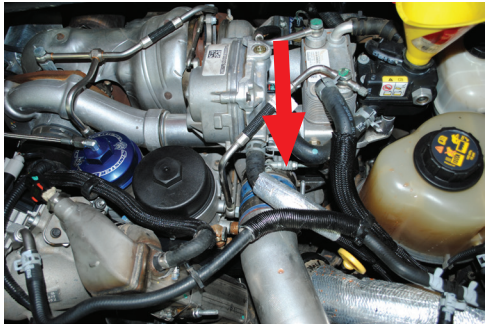


Image 2

Step 3: As a precaution plug the turbo outlet with a clean rag to keep debris out of the system.

Step 4: Using a 15mm deep socket, loosen the four sway bar mount bolts under the vehicle. Once loose lower the sway bar out of the way. *(Image 3)*



Image 3

Step 5: Using an 11mm deep socket , loosen the two charge pipe clamps at the bottom of the intercooler. Remove the coupling boot and clamps along with it. *(Image 4)*

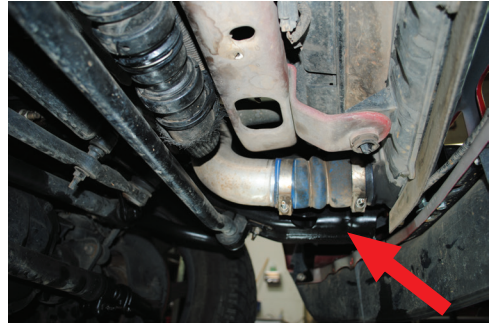


Image 4

Step 6: As a precaution plug the intercooler inlet with a clean rag to keep debris out of the system.



Image 5

Step 7: Using a plastic clip removal tool, free the lower radiator hose from the bottom radiator support. *(Image 5)*

Step 8: Using a reciprocating saw, cut the bend off of the bottom of the factory intercooler tube. *(Image 6)*

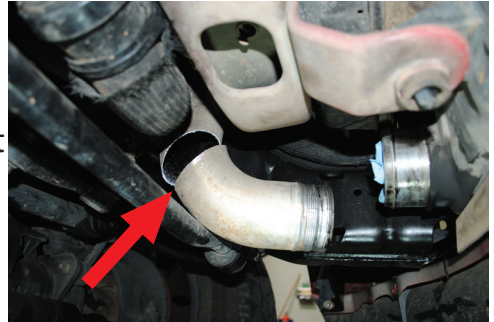


Image 6

Step 9: With the lower bend cut off now the factory pipe can be removed by pulling the charge pipe up out of the engine bay.

Step 10: Place the bottom boot and clamps on to the lower section of the Sinister Charge Pipe. Carefully feed the tube up into the engine bay from underneath the vehicle. Once in place remove the rag from the intercooler and place the charge pipe and boot onto the intercooler intake. *(Image 7)*

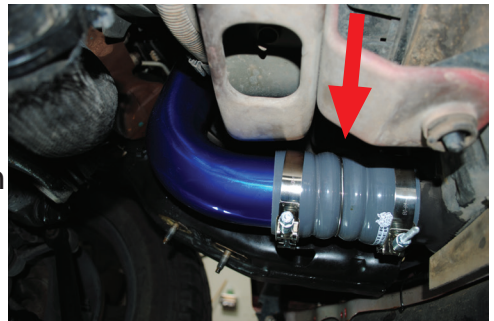


Image 7

Step 11: Using a 15mm deep socket, reinstall the sway bar mounts. Also secure the lower coolant line back into place on the lower radiator support. (Image 8)

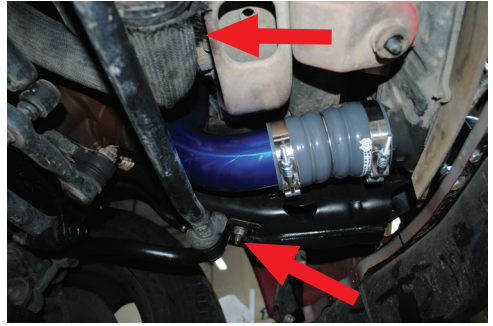


Image 8

Step 12: Install the middle silicone boot and clamps onto the charge pipe that was previously installed. (Image 9)

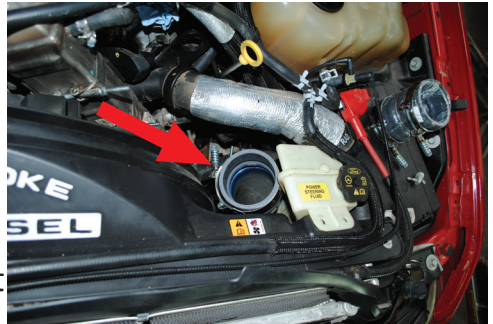


Image 9

Step 13: Remove the rag out of the turbo outlet and install the top half of the charge pipe along with the last silicone boot and clamps. (Image 10)



Image 10

Step 14: Make sure the new charge pipe isn't contacting anything and tighten all of the spring clamps.

Step 15: Using an 8mm socket, re-secure the power steering reservoir with the factory hardware. (Image 11)

Installation of the Sinister Hot Side Charge Pipe is now complete.



Image 11

SINISTER DIESEL



6.4L Coolant Filter Kit



6.4L Intake Elbow



Fuel Tank Sump



2005-2010 Leveling Kit



SINISTER PRODUCTS AND APPAREL



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