

SINISTER DIESEL



2003-2007

**FORD 6.0L POWERSTROKE
INTERCOOLER CHARGE PIPES**



DISCLAIMER

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- 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.
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6.0L Powerstroke Intercooler Charge Pipes



PACKING LIST:

<u>Part #</u>	<u>QTY.</u>	<u>Description</u>
A	1	Hot Side Charge Pipe
	1	2.5" Silicone Boot w/ 45° angle
	2	72-80mm Hose Clamps
	1	3" -3.25" Straight Silicone Boot 5 3/8" Long
	1	84-92mm Hose Clamp
	1	90-98mm Hose Clamp
B	1	Cold Side Charge Pipe
	1	3" Straight Silicone Boot 5 3/8" long
	1	3" Straight Silicone Boot 4. 1/4" long
	4	84-82mm Hose Clamps

Recommended Tools

- 11mm Deep Socket
- 8mm Socket and Extension

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. If you ordered one charge pipe your kit will only include the parts for that product.



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: Be sure the inside of your charge pipe is clean and free of any debris. Your air intake will have to be removed to install your Sinister Diesel Cold Side Charge Pipe. For your safety, we recommend disconnecting any negative battery terminals whenever working on any vehicle.

Cold Side Charge Pipe Instructions

Step 1: Remove the factory air filter. Release the clips then pull the front and rear covers up and away from the filter. Pull the filter straight up and out of the vehicle. (Circled In Image 1)

Note: The covers interlock to the bottom of the filter. Pulling out and up releases them.

Step 2: Disconnect the MAF sensor plug. (Image 2)

Step 3: Remove the two hard plastic covers, for the filter, from the vehicle. The rear cover is secured by a hose clamp. Use an 8mm socket or a regular screwdriver to release it. (Image 3)



Image 1



Image 2



Image 3

Step 4: Using an 11mm deep socket, loosen all of the hose clamps on the charge pipe being replaced. Then remove the charge pipes and boots from the vehicle. (Image 4)

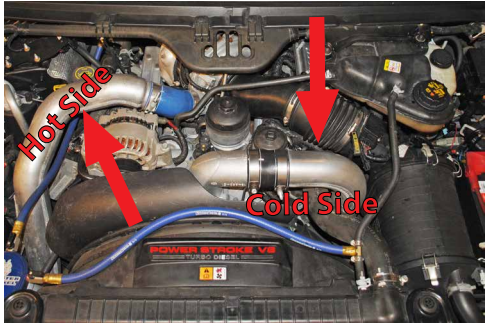


Image 4

Step 5: Clean any oil from the turbo, intercooler and intake elbow connections with a clean rag and glass cleaner.

Note: Make sure the inside of the new charge pipe is clean and free of any debris.

Step 6: Using the supplied silicone boots, install the Sinister Diesel Charge Pipe in place of the stock ones. The 4 1/4" long straight silicone boot connects the cold side charge pipe to the intake elbow. The rib on the inside goes onto the intake elbow on the manifold. (Image 5)

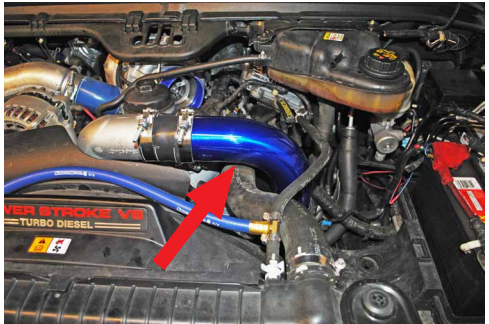


Image 5

Note: The intercooler on the passenger side has a 1/4" inch larger connection to the silicone boot.

Step 7: Re-install the two hard plastic covers for the filter to the vehicle. Secure the rear cover with the hose clamp.

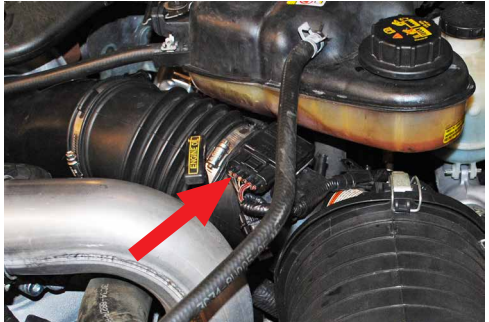


Image 6

Step 8: Reconnect the MAF sensor plug. (Image 6)

Step 9: Re-install the factory air filter in place. *(Image 7)*

Step 10: Be sure to interlock the plastic tabs on the bottom of the covers to the filter, then secure the clips.
(Circled In Image 8)



Image 7



Image 8

Hot Side Charge Pipe Instructions

Step 1: Using a 11mm deep socket, loosen the two clamps that secure the stock charge pipe to the turbo outlet. (*Image 1*)

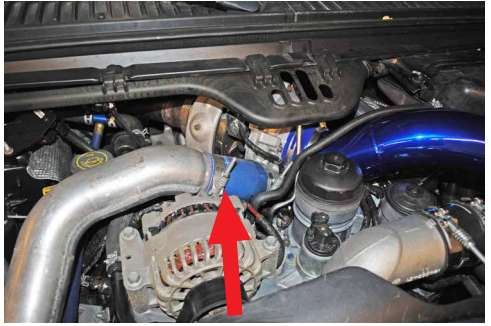


Image 1

Step 2: Using a 11mm deep socket, loosen the two clamps that secure the stock charge pipe to the inter-cooler. This is located between the passenger battery and the radiator. (*Image 2*)



Image 2

Step 3: Remove the stock hot side charge pipe. (*Image 3*)

Step 4: Install the Sinister Diesel hot side charge pipe with supplied silicone boots and clamps. Using a 11mm deep socket, tighten all of the clamps to secure the charge pipe in place. (*Image 4*)



Image 3



Image 4



2025 Opportunity Dr.
Roseville CA, 95678
877-692-4110 - SinisterDiesel.com