

SINISTER DIESEL



2008-2010 Ford 6.4L Powerstroke
Cold Side Charge Pipe

6.4L Powerstroke Cold Side Charge Pipe



PACKING LIST:

<u>Part #</u>	<u>QTY.</u>	<u>Description</u>
A	1	Silicone Boot 4" Inch
B	1	Silicone Boot 4.5" Inch w/ rib on one side
C	4	Clamps
D	1	Sinister Charge Pipe

Recommended Tools

11mm Deep Socket
10mm socket
13mm socket
Universal Joint Adapter
Die Grinder w/ Cutting Wheel
Plastic Clip 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: Installation of the Sinister Manufacturing Company Cold Side Charge Pipe requires working next to the battery terminals. It is highly recommended that the batteries are disconnected whenever working on a vehicle. Fitting the Charge Pipe requires cutting of the upper radiator support. For convenience we recommend using a die grinder with a cut off wheel.

Step 1: Using a 11mm deep socket, loosen the 4 hose clamps on the passenger side charge pipe. (Image 1)



Image 1

Step 2: Using a 10mm socket, remove the 7 mounting bolts on the upper radiator support. Make sure you keep track of where the bolts go as they are different lengths. (Image 2)

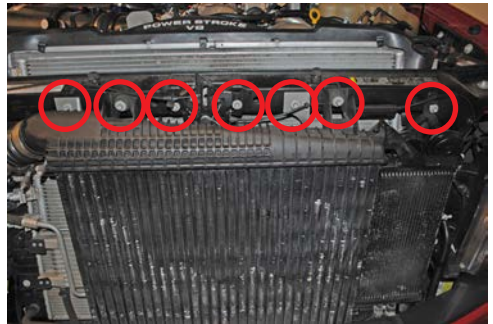


Image 2

Step 3: Remove the silicone boot on the intercooler by pulling forward on the intercooler. (Image 3)



Image 3

Step 4: Remove the five plastic clips holding the hood latch cable along the upper radiator support. One of the clips has two anchors on it.



Image 4

Step 5: Remove the two plastic clips that hold the weather gasket to the upper radiator support.

(Image 4 & 5)

Step 6: Using a 10mm short socket with universal adapter and long extension, remove the four bolts and U-brackets that secure the radiator to the upper radiator support. Also remove the rubber bushing from the passenger side of the radiator mount. *(Image 6)*

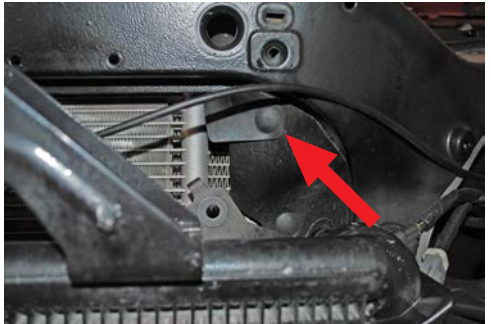


Image 5

Step 7: Using a 13mm socket, Remove the upper radiator support by removing the six bolts.



Image 6

Step 8: Remove the stock charge pipe on the passenger side.

Step 9: Put the Sinister Charge Pipe in place, but do not secure the hose clamps yet. The longer silicone boot with the rib on the inside goes to the intercooler connection. *(Image 7)*



Image 7

Step 10: To fit the upper radiator support, it is required that you trim material off the support to fit around the new charge pipe. (Image 8 & 9)

Optional Note: Spray paint the bare aluminum semi-flat black where you made the cut for better finish appearance.

Step 11: Re-install the upper radiator support and secure the charge pipe to the passenger lower mounting bolt. When securing the charge pipe make sure it is not contacting any other parts. (Image 10)

Step 12: Re-install all of the components following steps 1-6 in reverse order. Be sure to use factory torque specifications on all hardware.

Step 13: Lastly, tighten the clamps on the silicone boots making sure everything is properly seated. (Image 11)



Image 8



Image 9



Image 10

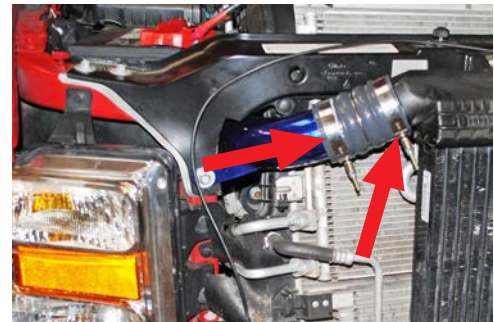


Image 11

