

SINISTER DIESEL



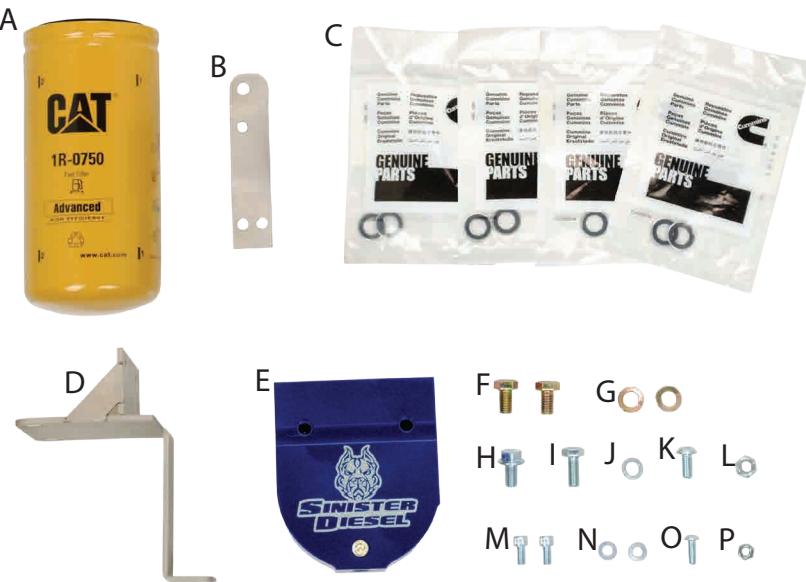
**2004.5-2007 DODGE
5.9L CUMMINS
CAT FILTER ADAPTER**



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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Cummins CAT Fuel Filter Adapter



PACKING LIST:

Part# QTY. Description

A	1	CAT Fuel Filter
B	1	Support Bracket
C	4	Banjo Seals
D	1	Mounting Bracket
E	1	Filter Block
F	2	3/8" Bolts
G	2	3/8" Lock Washers
H	1	M8 Flanged Bolt
I	1	M8 Bolt
J	1	M8 Lock Washer
K	1	M8 Button Head Allen Bolt
L	1	M8 Lock Nut
M	2	1/4" Allen Bolts
N	2	1/4" Lock Washers
O	1	M6 Button Head Allen Bolt
P	1	M6 Lock Nut

Recommended Tools

-8,10, 13, 17mm and 9/16" Sockets
-10 and 13mm Open End Wrench
-4, 5mm and 3/16" Allen Wrench
-Phillips Screw Driver

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 CAT Fuel Filter Adapter will require you to disassemble fuel lines. Be sure to properly contain any exposed fuel.

Step 1: Using 8mm socket and Phillips screwdriver, remove the driver side front fender well to gain access to the fuel filter assembly mounted on the driver side of the motor. (Image 1)



Image 1

Step 2: Open the fuel filter cap without removing it to allow air in while draining the filter bowl. (Image 2)

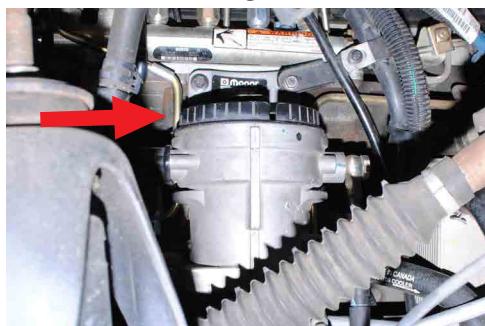


Image 2

Step 3: Place bucket or oil pan under the fuel bowl drain tube indicated in image three. (Image 3)



Image 3

Step 4: Open the yellow valve to drain the fuel from the fuel bowl. (Image 4)

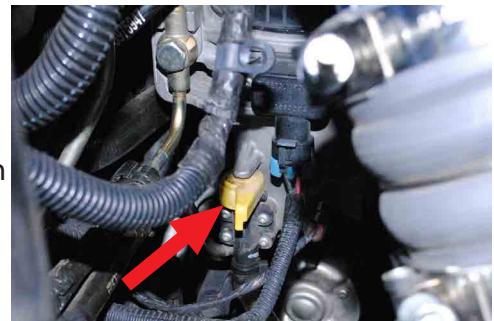


Image 4

Step 5: Unplug the two sensor wire on the front of the fuel filter bowl. (Image 5)

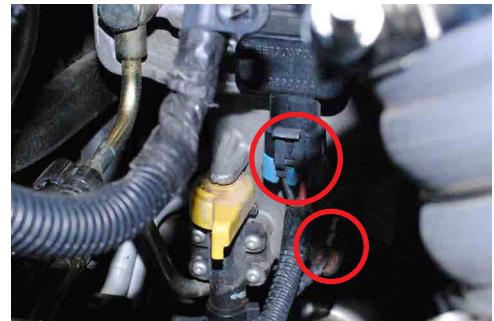


Image 5

Step 6: Using a 17mm socket or wrench, remove the 4 banjo bolts that secure all of the fuel lines connected to the factory fuel filter. Two are located on the right side. One is located on the left side, and the last one is located on the bottom of the fuel bowl. (Image 6)

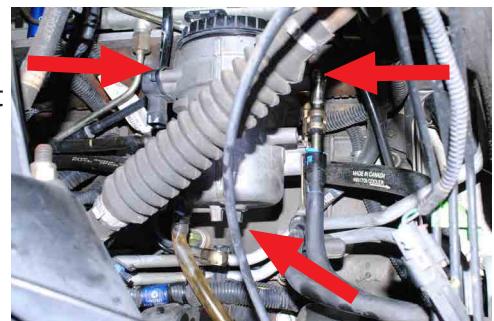


Image 6

Step 7: Using a 5mm Allen wrench and 10mm socket, remove the two bolts that secure a couple of support brackets to the rear of the filter bowl. (Image 7)



Image 7

Step 8: Using a 10 mm socket, remove the two bolts and fuel bowl from the engine. (Image 8)



Image 8

Step 9: Install the mounting bracket to the Sinister Diesel CAT Filter Block. Using the supplied lock washers and cap head allen bolts, install the support tab onto the right side of the filter block hand tight so there is wiggle room. (Image 9)



Image 9

Step 10: Using a 10mm socket, remove the bolt that secures a support bracket to the motor. The factory fuel filter bowl originally covered this bolt. Install the Sinister Diesel CAT Filter Adapter to the motor hand tight using the factory bolt on the right side and the supplied short M8 flange bolt to the top left. The other longer bolt and lock washer will secure the bottom of the mounting bracket to the motor. (Image 10)

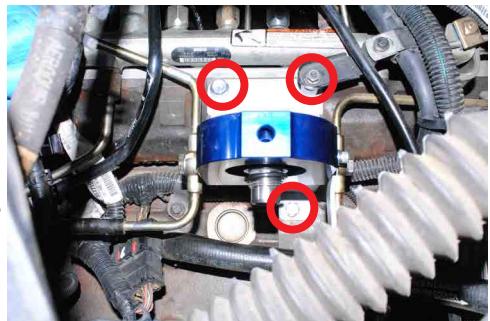


Image 10

Step 11: The bracket to support the hardline will mount to the right side of the support tab on the filter block. Secure it with the larger button head allen bolt and lock nut. (Image 11)



Image 11

Step 12: Using the supplied banjo seals, reinstall two banjo bolts that connect the two hardlines to the filter block. The supply line banjo fitting will connect to the right side of the filter block marked IN. The support bracket will mount to the left side of the support tab using the smaller button head allen bolt and lock nut. Make sure not to stack the seals with the old ones as this will cause a fuel leak. (Image 12)



Image 12

Note: The pressure gauge in image 12 is optional, and if purchased, it should not be left installed due to failure in harsh environments.

Step 13: Install the banjo bolt to connect the supply line to the in port on the fuel filter block. After the three banjo fittings have been properly connected, you can now tighten all of the mounting bolts and support tab hardware.



Image 13

Step 14: The last banjo fitting will have to be turned 90° upward and connected to the out port onto the filter block. Tighten all of the banjo bolts to 35ftlbs. (Image 13)



Image 14

Step 15: Apply a thin layer of clean motor oil to the seal on the Sinister Diesel CAT Fuel Filter Adapter and install it onto the filter block hand tight. Start the motor and check for any leaks from all of the fittings. (Image 14)

Step 16: Reinstall the driver front fender well, and installation is complete.



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