



**SINISTER
DIESEL**

Bypass Oil Filter Kit

2006 - 2007 Dodge 5.9L Cummins

(Install Time: 1-3 hours)

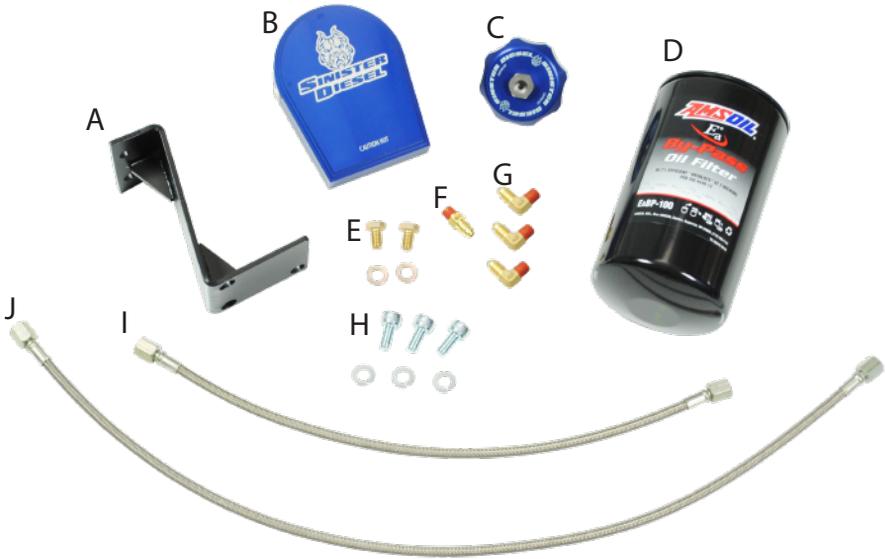




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- 2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering inoperative of any part of the design affecting 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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06-07 Cummins By-Pass Oil Filter



PACKING LIST:

<u>Part #</u>	<u>QTY.</u>	<u>Description</u>
A	1	Filter Block Mounting Bracket
B	1	Sinister Diesel Filter Block
C	1	Sinister Diesel Oil Cap
D	1	Amsoil By-Pass Filter
E	2	3/8" Hex Bolts w/ Lock Washers
F	1	1/8" NPT-4 JIC Straight Fitting
G	3	1/8" NPT-4 JIC 90° Elbow Fittings
H	3	M10 Allen Bolts w/ Lock Washers
I	1	18" Stainless Braided Line
J	1	29" Stainless Braided Line

Recommended Tools

Combination Wrenches: 12, 19mm and 9/16"

Deep Socket: 1/2"

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: For your safety, before working on any vehicle it is recommended that the batteries be disconnected by removing the negative "ground" cables.

Step 1: Using a 12mm and 19mm combination wrench, install the supplied 90° NPT fitting onto the Sinister Oil Cap. (image 1)



Image 1

Step 2: Using a 12mm and 9/16" combination wrench, connect the shorter of the two stainless braided lines to the fitting previously installed on the oil cap. (Image 2)



Image 2

Step 3: Remove and replace the factory oil cap with the new Sinister Diesel oil cap.

Step 4: Using the 12mm Combination wrench, install one 90° fitting to the top of the filter block. Point it 45° up and to the left giving clearance for the braided line. Install the other fitting on the right side of the filter block. Point the fitting down toward the mounting area of the filter bracket. (Image 3)



Image 3

Step 5: Using a 1/2" socket, remove the bolt securing the wire loom to the intake manifold. (Image 4)



Image 4

Step 6: Using a 8mm allen wrench, install the provided M10 bolts and lock washers to secure the mounting bracket to the motor at the 3 bolt holes at the driver front of the motor. These holes are located on the intake manifold. (Image 5)



Image 5

Step 7: Using a 9/16" socket and the provided 3/8" bolts and lock washers, install the Filter block to the mounting bracket. (Image 6)



Image 6

Step 8: Using a 9/16" and 12mm combination wrench, connect the braided line coming from the Sinister Oil Fill Cap to the JIC fitting labeled out on the Sinister Filter Block. (Image 7)



Image 7

Step 9: Using a 1/2" socket, pull the 1/8" NPT plug from above the factory oil filter on passenger side of the motor. (Image 8)

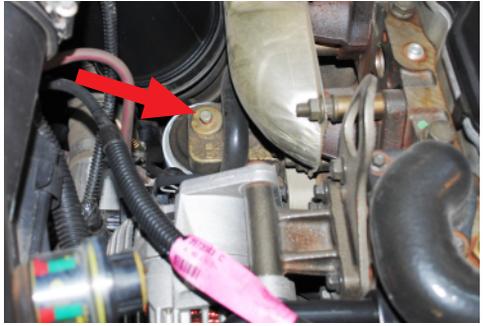


Image 8

Step 10: Using a 1/2" deep socket, install the provided 1/8" NPT to -4 JIC 0° straight fitting to the port above the factory oil filter. (Image 9)



Image 9

Step 11: Using a 9/16" and 1/2" combination wrench, install the longer braided line to the fitting above the factory oil filter. (Image 10)



Image 10

Step 12: Using a 9/16" and 12mm combination wrench, connect the line from the factory oil filter to the JIC fitting labeled "IN" on the Sinister Filter Block. (Image 11)



Image 11

Step 13: To prime the new Oil Bypass Filter, fill the filter with a quart of your preferred oil used in your engine. Pour the oil into the open hole on the Oil Bypass Filter. (Image 12)



Image 12

Step 14: Install the oil filled filter onto the Sinister Filter Block hand tight. (Image 13)

Step 15: Start the engine and check all of the fittings and connections for leaks. After getting the engine to operating temperature, double check for any leaks.



Image 13

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