

INSTALLATION GUIDE:



Coolant Filter Kit

2008–2010 Ford 6.4L Powerstroke





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 in-operative 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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PART:	DESCRIPTION:	QTY:
A	72" Coolant Line	1
B	Coolant Filter Block	1
C	55" Coolant Line	1
D	Coolant Filter	1
E	3/8" NPT Ball Valves	2
F	Brass Barbed Fittings	2
G	Size 10 Hose Clamps	2
H	Size 8 Hose Clamps	4
I	3/8-16 Bolts	2
J	3/8 Washers	2
K	Coolant Filter Bracket	1
L	Thread Seal Tape	1

IMPORTANT: READ ALL INSTRUCTIONS PRIOR TO INSTALL. 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.

IMPORTANT: Installation of the Sinister Diesel Coolant Filter Kit requires cutting of the coolant lines, resulting in coolant loss. Due to the coolant loss, we suggest draining and flushing the entire system at this time.

- 1 Disconnect batteries.
 - 2 Drain coolant.
 - 3 Use a 13/16" to install ¼ turn ball valves to coolant filtration block . Install 3/8" hose barbs to the ball valves. 90 hose barb goes in the top of the coolant block as shown in Image. Be sure to apply thread sealing tape in the correct direction to all of the bare threads. Also, make sure that valves are in the off position. (Image 1)
 - 4 Disconnect the MAF sensor and filter sensor wire from the intake. (Image 2)
 - 5 Loosen the hose clamp and pull the intake boot back. Then pull the air box up, removing the baffle tube by the passenger fender, and pull the air box out. (Image 2)
- 3



IMAGE 1

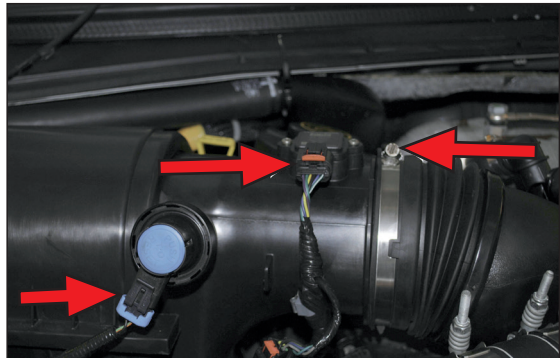


IMAGE 2



IMAGE 3

6 On the passenger side, remove the two transmission cross member nuts then install the bracket and coolant block, re-use the two cross member nuts. (Image 3)

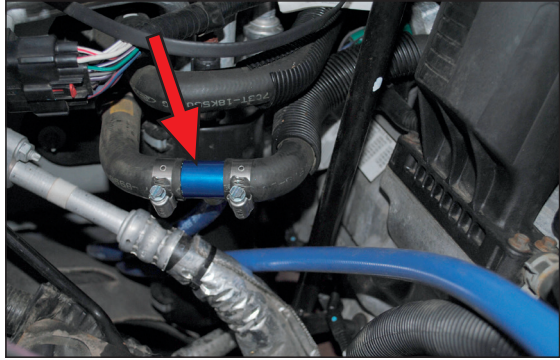


IMAGE 4

7 On the passenger side of the motor, cut the lower heater hose and splice in the blue "T." Route the hoses down the outside of the frame rail to the filter block. (Image 4)



IMAGE 5

8 Using a size 8 hose clamp, connect the hose to the 90 barbed brass fitting in the top of the coolant block. (Image 5)



IMAGE 6

9 Install the coolant line with the smaller brass "T" by tapping it into the small coolant return line over the radiator on the passenger side. Route the hose down the outside of the frame rail to the filter block. (Image 6)

10 Using a size 8 hose clamp, connect the hose to the barbed brass fitting on the side of the coolant block.



IMAGE 7

11 Prefill the filter and wet the O-ring with a petroleum lubricant.

12 Install the filter, open the valves, and fill the system per Ford specifications. Start the truck and check for leaks. (Image 7)

13 After the truck has reached operating temperature, check the coolant and top off as needed.

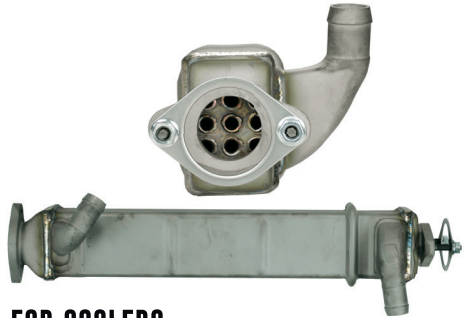
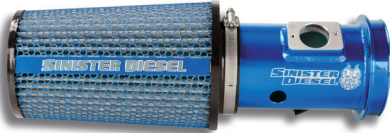
Installation of your Sinister Diesel Coolant Filter Kit is now complete.

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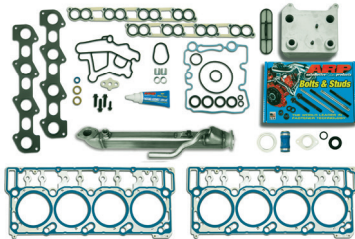
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