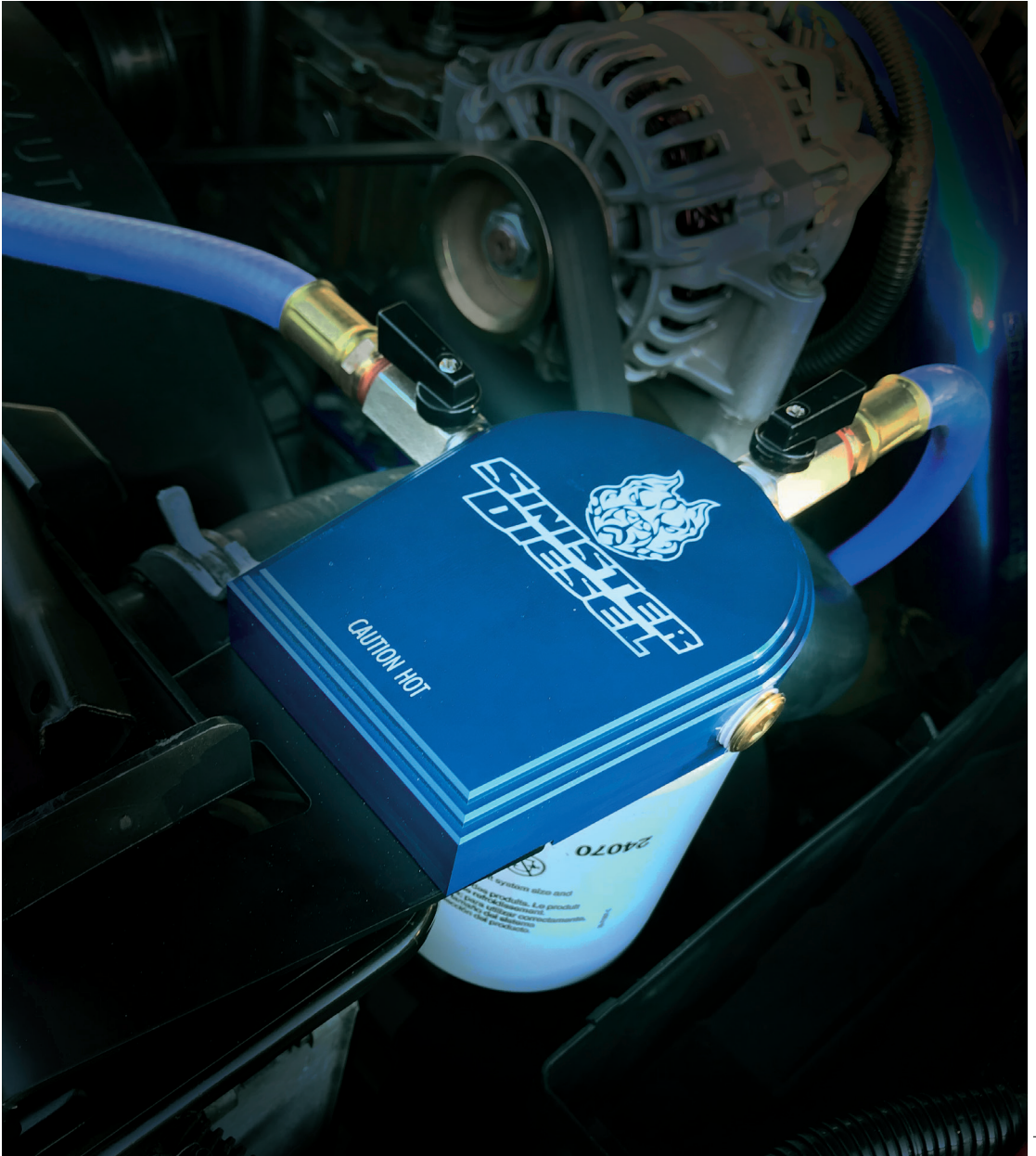


INSTALLATION GUIDE



Coolant Filter Kit

1999–2003 Ford 7.3L Powerstroke





DISCLAIMER

1) By installing this product onto your vehicle, you assume all risk and liability associated with its use.

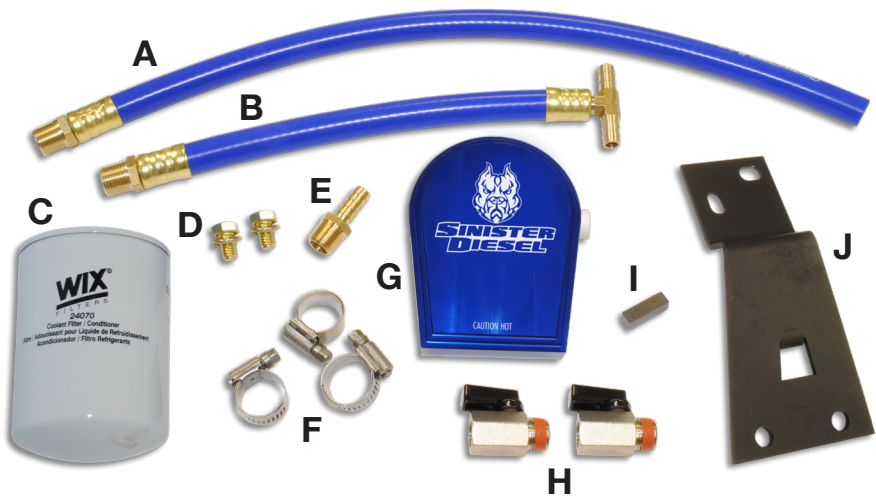
2) It is your responsibility to make sure your vehicle complies with all federal, state, and local emissions laws. Federal and many state and local laws prohibit the removal, modification or rendering inoperative of any part of the design affecting emissions or safety on motor vehicles used on a public 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.

3) Due to its high performance nature, this product may void vehicle manufacturer's warranty.

4) Sinister Mfg Company, Inc. is not responsible for misuse of its products. By installing this product, you release Sinister Mfg Company, Inc. of any and all liability associated with its use.

5) Depending on where you live, restrictions may apply. Check all applicable laws before installing or using!

6) The purchaser and end user releases, indemnifies, discharges and holds harmless Sinister Mfg Company, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Sinister Mfg Company, Inc. will not be liable for any direct, indirect, consequential, punitive, statutory, or incidental damages or fines caused by the use or installation of this product.



PART:	DESCRIPTION:	QTY:
A	19" Coolant Line	1
B	9" Coolant Line	1
C	Coolant Filter	1
D	3/8" Bolts and Washers	2
E	3/8" Brass Hose Barb	1
F	Size 6 Hose clamps	3
G	Coolant Filter Block	1
H	3/8" NPT Ball Valves	2
I	5/16" Square Stud (plug removal tool)	1
J	Coolant Filter Bracket	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 Using 9/16 wrench, assemble mounting plate onto coolant block. (Image 1)

4 Use a 13/16" or crescent wrench to install ¼ turn ball valves to coolant filtration block. Do not apply thread seal tape. (Image 2)

5 Install coolant lines to the ball valves. The long hose with the no fitting on one end goes in the top of the coolant block. Be sure to apply thread sealing tape in the correct direction to the threads. (Image 2)



IMAGE 1

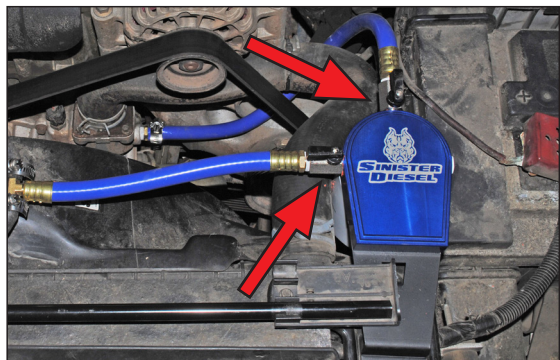


IMAGE 2



IMAGE 3

6 Wet O-ring on filter with coolant and install onto coolant block hand tight.

-- **7** Using 8mm Socket remove the 2 bolts on the driver side radiator support. Place the coolant filter assembly in place and re-install the two bolts snug but not tight. (Image 3)

8 Make sure the tab on the mounting bracket rests centered on the rubber radiator support and the filter is not hitting other parts. Then tighten the 8mm mounting bolts the rest of the way. (Image 4)

9 Using the provided 5/16" square stud, remove the 3/8" NPT plug on the side of the thermostat housing. Replace it with the provided Brass 3/8" hose barb. Be sure sealant tape is applied to the hose barb threads.

10 Route the long hose down behind the fanbelt and over to the hose barb that was installed in step eight. (Image 6)



IMAGE 4



IMAGE 5



IMAGE 6

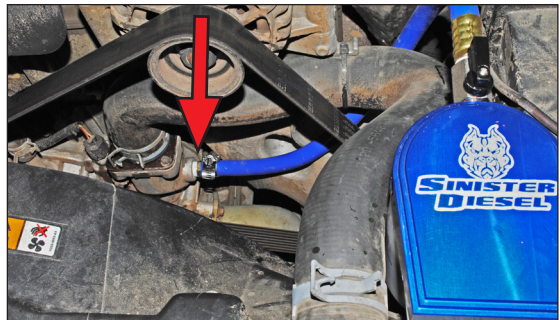


IMAGE 7

11 Using the supplied size 6 hose clamp, connect the longer hose to the brass fitting on the thermostat housing. (Image 7)

12 Cut the line going into the driver side of the degas bottle (radiator overflow tank). Using the two remaining size 6 hose clamps secure the brass T-fitting into the cut ends of hose. (See Arrow in Image 8)

13 Refill the coolant system to factory specification. Be sure the coolant filter valves are in the open position. **Note:** The valve handle should parallel with the ball valve. (Circled In image 9)

14 Run the engine and check for leaks. After your first drive double check the fittings for leaks and refill coolant as needed.

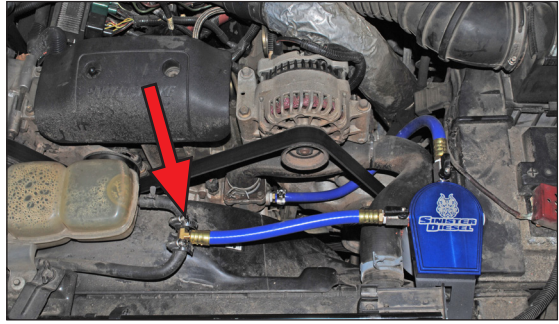


IMAGE 8



IMAGE 9

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





#1 IN PERFORMANCE PARTS & KITS

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