

# SINISTER DIESEL



## 6.0L POWERSTROKE COOLANT FILTER KIT

Thank you for purchasing a Sinister Manufacturing Company Coolant Filtration System. We only use precision manufacturing processes and high quality materials, which ensures this filtration system is designed to endure years of use.

These installation instructions have been written to help you in the installation of your Sinister Coolant Filtration System. **Please read instructions completely prior to installation.**

This kit may void factory warranty, please check with manufacturer.

Sinister Manufacturing Company recommends that a professional aftermarket parts installer, who has all the necessary equipment, tools and experienced personnel needed for proper installation, should perform the installation of this kit. However, if you decide to perform the installation, you will be doing so at your own risk.

By installing your Sinister Coolant Filter System, you indicate that you have read this document and you agree with the terms stated below. It is the responsibility of the purchaser to follow all installation instruction guidelines and safety procedures supplied with you Sinister Coolant Filter System.

Sinister Manufacturing Company assumes no responsibility for damages occurring from misuse, abuse, improper installation, improper operation, lack of responsible care, or all previously stated reasons resulting from incompatibility with other manufacturer's products and/or systems.

If you should have any questions regarding our warranty policy, installation, or any other matter pertaining to your new Sinister Coolant Filtration System, please give us a call.

# Sinister Diesel Coolant Filtration Kit

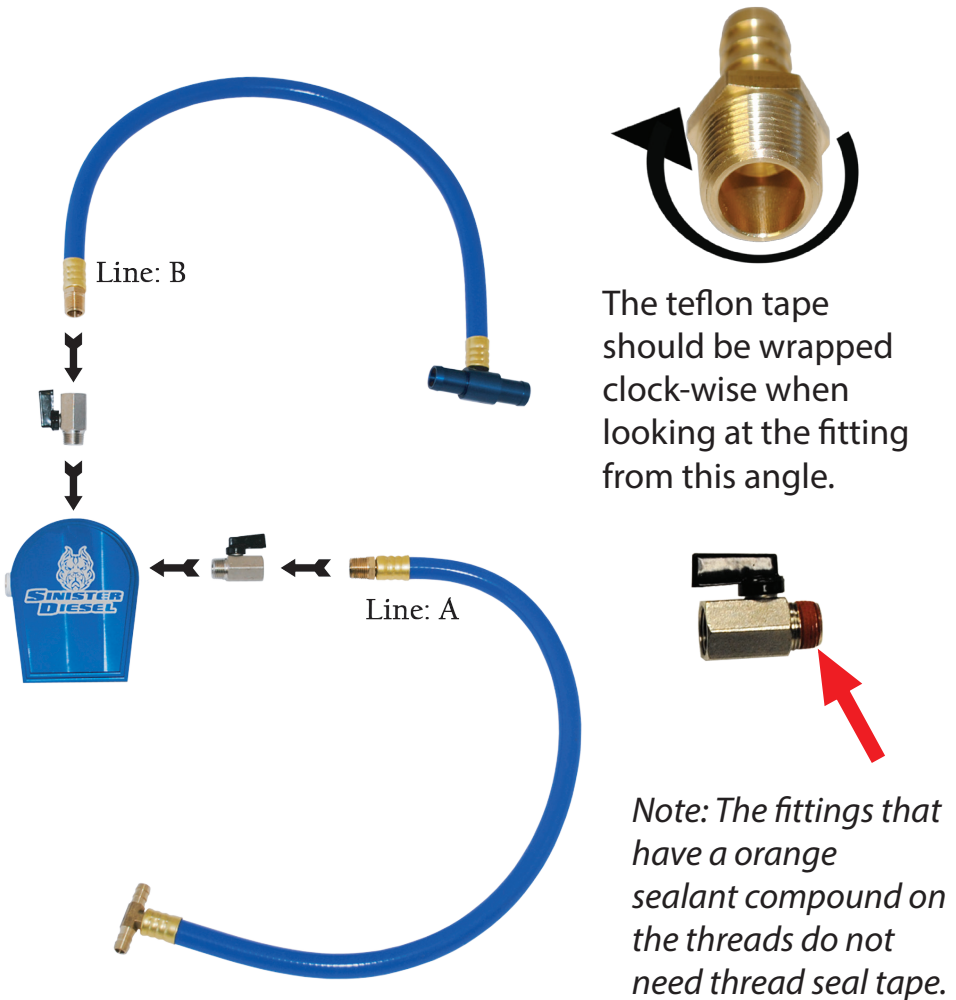


## **PACKING LIST:**

<b><u>Description</u></b>	<b><u>QTY.</u></b>
Coolant Filtration Block	1
Coolant Filter Bracket	1
Coolant Filter	1
3/8 - 16 Bolts	2
3/8 Washers	2
Small Hose Clamps	2
Large Hose Clamps	2
Coolant Lines With Fittings	2
Roll of Teflon Tape	1

**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.

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## **COOLANT LINE ASSEMBLY DIAGRAM:**

- Apply the supplied teflon tape to all of the threaded fittings.
- Attach the ball valves to the coolant lines.
- Attach the line that has the smaller brass "T" fitting (Line A) into the port on the side of the block.
- Attach the line that has the larger blue "T" fitting (Line B) into the top port of the block.



**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 Coolant Filtration System requires cutting of coolant lines, resulting in coolant loss. We suggest draining the coolant before you start.*

**Step 1:** Standing in front of the vehicle, the coolant filter will be mounted on the left side of the radiator (passenger side). (Image 1)



Image 1

**Step 2:** Remove the nut stud with a 10mm deep socket. (Positive battery cable retainer may need to be removed to gain access). (Image 2)



Image 2

**Step 3:** Insert stud through the face of the coolant filter bracket and bolt unit on. (Image 3)



Image 3

**Note:** *Make sure to insert tab on the bottom of the bracket into the cut out.*

**Step 4:** Route hose on right hand side of the filter system across radiator shroud to the upper radiator bleed line, "overflow." Splice brass "T" into line and secure with provided small clamps. (Image 4)



Image 4

**Step 5:** Route hose from rear of filter system over aluminum charge pipe and around the engine oil fill tube. Splice aluminum "T" into heater core line and secure with the provide large hose clamps. If your vehicle is equipped with a heater valve in the heater hose, you need to tee into the motor side of the valve. (Image 5)



Image 5

**Note:** Before installing the filter onto the coolant filter block, make sure to wet the coolant filter O-ring with the coolant that you will be putting into the vehicle to ensure that you get a tight seal. If this is not done, the coolant filter will have a high risk of leaking.



Image 6

**Step 6:** Install the filter, fill the system per Ford factory specifications and start the truck. After letting the truck run for a few minutes, shut the engine off and inspect for any leaks. (Image 6)

### **Maintenance:**

*Regularly check and change filter.*

*Regularly check for leaks and tighten any loose bolts or clamps.*



# SINISTER DIESEL



## **SINISTER APPAREL AND POWERSTROKE PRODUCTS**



Coolant Filter & Oil Bypass Kit



EGR Delete



Intake Elbow



Upgraded Coolers



2025 Opportunity Dr.  
Roseville CA, 95678  
877-692-4110 - [SinisterDiesel.com](http://SinisterDiesel.com)