



Thank you for purchasing a Sinister Manufacturing Company Coolant Filtration System. Precision manufactured using high quality aluminum; this Coolant Filtration System is designed to endure years of use.

Effectively filtering casting sand and other particles from your coolant filtration system, protecting water pump and all coolant system components. These installation instructions have been written to help you in the installation of your Sinister Coolant Filtration System. Please read it completely before installing your kit.

This Kit has been designed for:  
2008-2010 6.4L Ford Power stroke

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 system. However, if you decide to perform the installation, it will be at your own risk.

Please take time to read and understand the following...

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 your 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 Filter System, please give us a call at the number provided.

Maintenance:

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

Please call us at 877-692-4110 Mon-Fri 8am-5pm  
if you need any additional assistance.

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2025 Opportunity Drive Ste 7, Roseville, CA 95678

# Sinister Coolant Filtration Kit



## PACKING LIST:

### QTY. DESCRIPTION

- |   |                             |
|---|-----------------------------|
| 1 | Coolant Filtration Assembly |
| 1 | Coolant Filter Bracket      |
| 2 | 3/8-16 Bolts                |
| 2 | 3/8 Washers                 |
| 4 | Small Hose Clamps           |
| 2 | Large Hose Clamps           |
| 1 | Coolant Filter              |

*Note:* Note: Before removing the original parts from your vehicle, please compare the parts you have received with the bill of materials provided on this page to assure that you have all the parts necessary for the installation of your new Sinister Coolant Filtration System.



**Caution!!! Never work on a hot Vehicle. Serious injury in the form of burns can result if the vehicle has been in use and the coolant system is hot, allow vehicle to cool for at least 1 hour. Always wear eye protection when working under any vehicle.**

Note: Installation of the Sinister Mfg Coolant Filtration System Requires cutting of coolant lines, resulting in coolant loss. We suggest draining the coolant before you start.

Step 1: Drain approximately two gallons of coolant.

Step 2: Disconnect the MAF sensor and filter sensor wire from the intake.  
(Figure A)

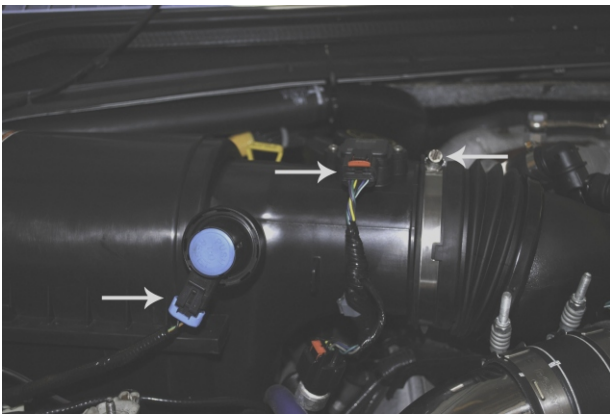


Figure A



Figure B

Step 3: loosen the hose clamp and pull the intake boot back. Then pull the air box up, remove the baffle tube by the passenger fender and pull the air box out. (Figure A)

Step 4: Cut the lower heater hose and splice in the large "T". Rout the hoses down the frame rail to the transmission cross member. (figure B)

Step 5: Repeat step 4 with the smaller "T" and tap it into the small coolant return line on top of the radiator. (Figure C)



Figure C

Step 6: Remove the two transmission cross member nuts and install the bracket and cooler block. Reinstall the nuts. (Figure D)

Step 7: Refer to the picture for connecting the hoses to the block. (Figure D)

Step 8: Install the filter, open the valves and fill the system per Ford specifications. Start the truck and check for any leaks at all connections.

Step 9: Get the truck up to operating temperature and top off the coolant.



Figure C

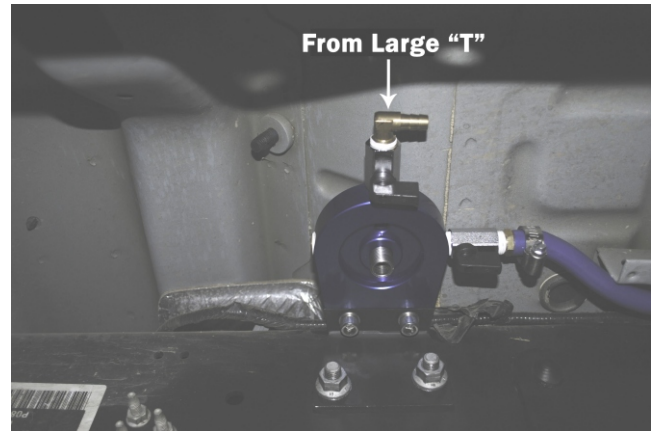


Figure D