

DFUSER

PERFORMANCE DIESEL PRODUCTS

6.0L Powerstroke Turbo Diesel Coolant Filter Kit (1001183)



- 6 each – 3/8” Hose Clamps
- 2 each – 5/8” Hose Clamps
- 2 each – 9/16” Bolts, Lock washer
- 1 each – Filter Plate
- 1 each – Teflon Tape
- 3 each – WIX 24070
- 3.5 feet – 3/8” Coolant Hose
- 1 each – 6L PSD T-304 Stainless Steel Mounting Bracket
- 1 each – 11/16” Port Plugs
- 2 each – Shutoff Valves with threaded extension
- 1 each – Brass T-Fitting (High Side Hose - Larger)
- 1 each – Brass T-Fitting (Degas Bottle Return Line – Smaller)

Note: Let the truck cool overnight, release pressure from degas bottle and let sit 20 minutes. Then screw the cap back on the degas bottle. This seals the system so when you cut the large line only the fluid in the line runs out. After that there is a much smaller burp of fluid as air gets into the system. (If you are fast, your coolant loss will be minimal)

Filter Change Intervals: In order to successfully filter the existing grime that is in your current coolant, it is required that you cycle your filters in the following intervals. Upon removal we recommend cutting open (safely!) your filters to see how much grime you have removed from your system.

1st Filter: 500 miles

2nd Filter: 1,000 miles

3rd Filter: 6 months

After the 3rd Filter, change your filters once per year!

INSTALLATION INSTRUCTIONS

Average Installation Time: 1 Hour

Please let engine cool and remove Degas Bottle cap for 20 minutes



FIG 1.1



FIG 1.2

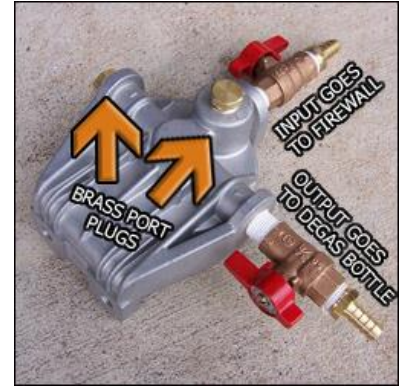


FIG 1.3

Step 1 - Attaching Valves, Nipples and Port Plugs

1. Using the included Teflon Tape, wrap Teflon 7-10 times around all threads of the (FIG 1.1):

- All Fitting **except** for the 2-piece T-Pipe Fitting
- Clean the pipe threads with a rag before applying the Teflon tape.
- Start wrapping the male threads at very end of the pipe, but do not let the tape lap over the end. If the tape laps over the end of the pipe it can reduce water pressure and even cause clogs from bits of the tape that get pulled into the water line.
- Start with a couple loops around at the end, then wrap all the threads, overlapping half the width of the tape on each wind.
- Wrap in the direction of the threads starting from the end and proceeding toward the length of the pipe. Wrapping the wrong way may result in the tape coming unwound as the fittings are tightened.
- As you wrap, keep tension on the tape so that it is pulled into the threads.
- If you loosen or disconnect a fitting, remove the old tape and re-wrap it with a fresh piece

2. After threads are wrapped, hand tighten to filter head, the 2-Brass Nipples into the opposite side of the 2-Brass Shutoff Valves (FIG 1.2).

3. Attach the 2-Brass Shutoff Valves to the Filter Mount Assembly; insure that you attach them to the correct ports (FIG 1.3). Also attach the Brass Port Plug to the remaining hole (FIG 1.3). Using an 11/16" wrench, tighten the Port Plugs. Place a crescent wrench on the Shutoff Valve next to the Nipple and tighten down the Brass Extension by turning the Shutoff Valve, then attach an 11/16" wrench to the nipple and tighten the nipple to the Shutoff Valve.

Step 2 – Mounting Filter Bracket to Vehicle



FIG 2.1



FIG 2.2



FIG 2.3

1. Locate the Intercooler Bracket on the Passenger side and remove the Positive Battery Clip, simply push it off (**FIG 2.1**).

2. Using a 10mm wrench, remove the Intercooler Bracket nut (**FIG 2.2**). This is a one piece set; the bolt and nut are welded together. It will loosen as you turn the wrench.

3. Slide the New Filter Mount Bracket bottom into the opening just below the Intercooler Bracket nut (**FIG 2.3**). The bracket (**FIG 2.3a**) and re-install the Intercooler Bracket nut/bolt using the 10mm wrench.

NOTICE

For ease of installation, it's recommended to remove your Passenger Side battery and Intercooler Hose, but not necessary.

You could also preassemble the filter housing, filter, and mounting bracket before attaching to your vehicle.

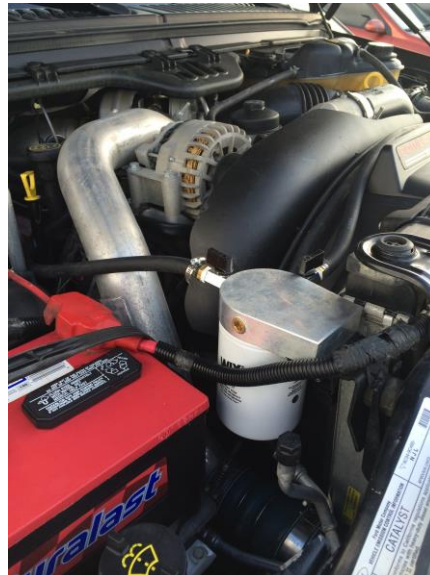


FIG 2.3a

Step 3 – Mounting T-Fitting in High Side Hose



FIG 4.1



FIG 4.2



FIG 4.3



FIG 4.4

NOTICE: Be advised that this part is VERY MESSY! It is recommend placing as many towels down as you can, mark your cut spots and have everything ready to cut and mount.

1. Place T-Fitting on High Side hose that is located next to the Transmission Dipstick (on Automatics) so that you can mark your cuts using a sharpie (**FIG 4.1 and 4.2**). At this point place as many towels as you can under the hose.
2. Using a Pipe Cutter make your two cuts very quickly and place the T-Fitting on with the 3rd Nipple. Measure twice and cut once. You only have enough hose to cover both sides. We do not include Extras.
3. Take the 3/8" Hose and connect it to the 3rd Nipple then route it to the Intake Port on the Filter Plate (reference **FIG 1.3a**). Cut the hose end and using a 5/8" Hose Clamp tighten down to the Intake Port nipple.
4. Attach the 2-5/8" Hose Clamps to the hose and tighten down.

Step 4 – Mounting T-Fitting in Degas Bottle Return Line



FIG 5.1



FIG 5.2



FIG 5.3

1. Attach remaining 3/8" hose to the Output Port on the Filter Plate (reference **FIG 1.3a** on Page 5) and tighten down with a 5/8" hose clamp.
2. Route hose over Fan Shroud (**FIG 5.1**) towards the Degas Bottle Return Line (**FIG 5.2**). During this install we pick the path with the least resistance or twist. You can move the Output line further up if you wish.
3. Cut the factory Degas Bottle line in half and attach the 3/8" solid T-Fitting and 2-3/8" Hose Clamps.
4. With the remaining 3/8" Hose from the Output Port on Filter Plate, cut excess hose off and attach to the T-Fitting with the remaining 3/8" Hose Clamp.

Step 5 – Mounting Filter



1. Remove black plug in center of the Filter if installed.
2. Using Oil, Silicon (in our case) or any types of Liquid Lubricant. Lubricate the O-Ring just as you would an Oil Filter for a gas engine and screw on to Filter Plate.
3. Start engine, allow coolant to reach operating temperature, and check for leaks.

YOU'RE DONE!

You have finished installing the
Dfuser Diesel Coolant Filter Kit

DISCLAIMER OF LIABILITY

dfuser Performance Diesel Products, its distributors and dealers (hereafter **MANUFACTURER**) shall in no way be responsible for the product's improper use, installation, and service of 6L Coolant Filter Kit (hereafter **AFTERMARKET PART**). THE BUYER HEREBY WAIVES ALL LIABILITY CLAIMS.

The **BUYER** acknowledges that he/she is responsible for acquiring written approval from **Ford Motor Company** to attain warranty status prior to installation of this **AFTERMARKET PART**. Should **Ford Motor Company** deny and end **BUYER's** warranty prior to expiration date due to installation of this **AFTERMARKET PART**, the **BUYER** waives all legal rights and actions against the **MANUFACTURER**.

The **BUYER** is responsible to fully understand the capability and limitations of his/her vehicle according to **Ford Motor Company** specifications and agrees to hold the **MANUFACTURER** harmless from any damage resulting from failure to adhere to such specifications. The **BUYER** is responsible for the improper installation of this **AFTERMARKET PART** according to instructions listed in the manual and holds the **MANUFACTURER** harmless from any damage resulting from **BUYER's** negligence.

The **MANUFACTURER** disclaims any warranty and expressly disclaims any liability for personal injury or damages. The **BUYER** acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the **BUYER** agrees to indemnify the **MANUFACTURER** and to hold the **MANUFACTURER** harmless from any claim related to the item of the equipment purchased. Under no circumstance will the **MANUFACTURER** be liable for any damages or expenses by reason of use or sale of this **AFTERMARKET PART**.

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The **MANUFACTURER** assumes no liability regarding the improper installation or misapplication of its **AFTERMARKET PART**. It is the **BUYER's** responsibility to check for proper installation and if in doubt, contact the **MANUFACTURER**.

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