



## **2001-2008 GMC/Chevy Duramax** **Auxiliary Fuel Filter Kit**

**Part# 1050060**

***PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLATION.***  
*Please read the disclaimer before proceeding to install this unit.*

## ***Introduction***

The purpose of this kit is to sufficiently filter diesel fuel entering the Duramax fuel system. The GM/Racor design of the factory fuel filter as been poor and the primary design concern was cost. This fuel filter kit will not only help filter your fuel properly but it will lengthen the fuel filter change interval.

The kit is design to flow enough fuel to support 500HP and still filter down to 5 micron absolute. As well the filter supplied with the kit has the largest pleat area available.

## ***Kit Contents***

| <b>Part Number</b> | <b>Description</b>            | <b>Qty.</b> |
|--------------------|-------------------------------|-------------|
| <b>1500061</b>     | Bracket                       | 1           |
| <b>1500062</b>     | Fuel Filter Head              | 1           |
| <b>1500063</b>     | Fuel Filter                   | 1           |
| <b>1604124</b>     | Bolt: 1/4 NC X 5/8            | 2           |
| <b>1100111</b>     | Washer: 1/4" Flat             | 2           |
| <b>1100112</b>     | Washer: 1/4" Lock             | 2           |
| <b>1604037</b>     | Fitting: 1/2" hose x 1/2" NPT | 2           |
| <b>1452821</b>     | Hose Clamp                    | 6           |
| <b>1604054</b>     | Fuel Hose                     | 30"         |
| <b>1120030</b>     | Support Bolt                  | 2           |
| <b>1120033</b>     | Nut: 3/8"                     | 2           |
| <b>1120031</b>     | Lock Washer                   | 2           |

## ***Filter Cross Over Chart***

|            |                       |
|------------|-----------------------|
| Donaldson  | P551311 (BD# 1500063) |
| Fleetguard | FF5319                |
| Wix        | 33674                 |
| Fram       | P8335                 |
| Purolator  | F75185                |

BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: [www.bd-power.com](http://www.bd-power.com)

## ***Installation***

1. Locate the two factory ½” holes (mounted vertical) on the driver’s side frame rail. They should be located near the front of the fuel cooler in front of the fuel tank. This is the location that the bracket will mount to.

2. Cut the factory fuel line 12” on either side of the holes in the frame. The fuel supply will be the larger of the two lines. To cut the line you can use a cut off saw or a pipe cutter. Be sure to clean and de burr any material from the inside of the fuel line. There should not be any tight bends that could restrict fuel flow.

Note that when you cut the fuel line fuel will drain out of the line.

3. Now mount the bracket to the frame rail. Use the bolts provided along with the washers and lock washers to secure the unit to the frame utilizing the pre-existing frame holes.

Note on short box single cab trucks, you will need to be creative as there is very little frame room available to mount the filter and bracket.

4. Install the brass push on fittings into either side of the filter head. To ensure a positive seal, be sure to use a pipe sealant.

5. Once the bracket is secure install the filter head to the bracket. Again use the provide bolts and lock washers to secure them together.

6. Install the provided fuel hose connecting both the inlet and the outlet of the fuel filter head to the previously cut factory fuel lines. To remove the possibility of any leaks install two hose clamps when connecting the hose the factory fuel lines and one when connecting the hose to the brass push on fittings.

7. Fill the supplied fuel filter with diesel and install it on to the fuel filter head.

BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: [www.bd-power.com](http://www.bd-power.com)

8. Before starting the truck you must purge the system of air, follow the factory procedure outlined in the owners manual like you have just run out of fuel.



You should be able to get up to 6 months of life (depending on fuel quality) out of your newly install fuel filter.

BD Engine Brake Inc.

Plant Address: 33541 MacLure Rd. Abbotsford, BC, Canada V2S 7W2

U.S. Shipping Address: 88-446 Harrison St, Sumas, WA 98295 U.S. Mailing Address: P.O. Box 231, Sumas, WA 98295

Phone: 604-853-6096 | Fax: 604-853-8749 | Internet: www.bd-power.com