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Item no: FGT-CAT-FFI

**2001-2016 CAT Filter
Adapter for DURAMAX LB7/LLY/LBZ/LMM/LML Chevy GMC Diesel**



Intended Use: This kit allows you to install a Caterpillar Advanced High Efficiency 2 Micron Fuel filter to your Chevy/GMC Duramax vehicle.

Disclaimer of Liability

This product can be used to modify the intended fuel filtration on your Duramax engine beyond factory specifications. This Duramax CAT Adapter kit is provided as is without any guarantees or warranty. In association with the product, FGT Motorsport LLC, and its employees, makes no warranties of any kind, either express or implied, including but not limited to warranties of merchantability, fitness for a particular purpose, of title, or of non-infringement of third party rights. Use of the product by a user is at the user's risk.

Safety

Whenever these tools are used, observe proper OSHA safety standards. Wear proper eye protection that meets or exceeds ANSI Z87.1 standards.

Kit Contents:

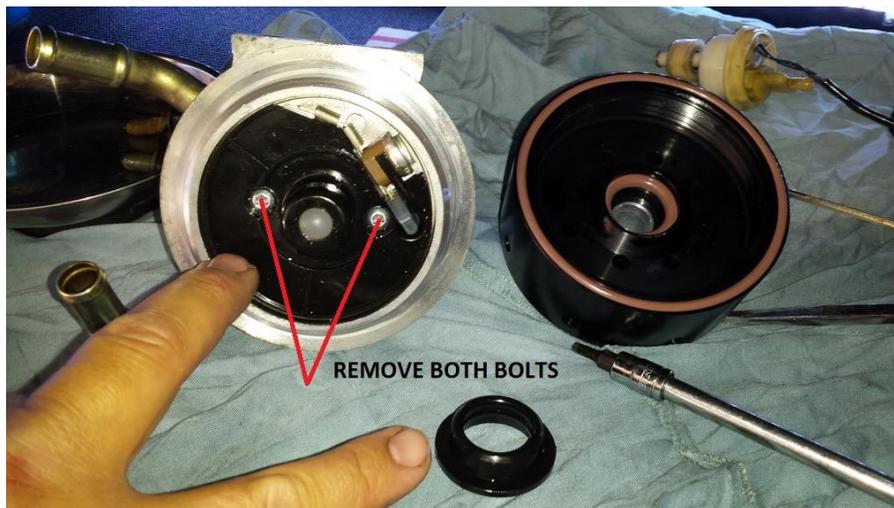
- 1 FGT Motorsport Billet Aluminum CAT Adapter
- 1 Large Viton O-ring
- 1 Medium Thick Viton O-ring
- 1 Medium Thin Viton O-ring
- 1 Stainless steel filter nipple
- 1 CAT 2 Micron 1R-0750 Fuel Filter (optional)
- 1 Filter head spacer kit with 4 bolts (optional)
- 1 Billet aluminum anodized bleeder screw (optional)
- 1 Filter Head Primer seal rebuild kit (optional)

Installation Instructions:

1.) REMOVE OEM FILTER AND FILTER HEAD

Follow your truck's service manual and remove the stock fuel filter. Wire off the water in fuel sensor to the truck and save for later in case you decided to revert back to the stock setup at any point. Unplug the red wire that attaches the fuel filter head to the heating element. Remove the two mounting bolts on the filter head that connect the filter head to the truck. You should now be able to completely remove the filter head from the truck.

2.) TAKE APART STOCK FUEL FILTER HEAD:



On the underside of the filter head there are two T-20 socket head bolts that need to be removed.

Once these are removed, the center section can be removed from the aluminum head.

3.) REMOVE CHECK BALL AND SPRING



Once the center section has been removed, there should be a spring and a white plastic check ball. Remove both the spring and the ball and save. You will need to reinstall these if you ever wish to restore your truck to OEM conditions.

NOTE: The check ball and spring **MUST** be removed in order for this kit to work on your truck. If you do not remove these, fuel cannot flow to the engine. The only purpose of the check ball is to stop the flow of fuel when removing the filter so just be sure to have a catch can ready when replacing filters.

4.) REASSEMBLE FILTER HEAD AND INSTALL ON TRUCK

Re-insert the center piece into the fuel filter head and secure the two T-20 torx bolts. The filter head is now ready to be re-installed on the vehicle.

If you purchased the spacer kit, now is a great time to install the spacer to give more access to the filter when changing. For 2011+ model trucks, we recommend using the longer bolts that were supplied in the kit. If you did not purchase a spacer kit, you can shim between the frame mount and the filter head with a series of washers. A ½" spacing is recommended.

Re-attach the red wire for the heating element.

5.) SECURE FGT CAT ADAPTER TO FILTER HEAD

Visually inspect the flat sealing surface on the filter head and make sure no dirt or debris is on this surface. Wipe clean with soap and water if necessary. Apply a thin layer of grease to the two pre-installed o-rings on your FGT aluminum adapter and thread the adapter into the fuel filter head. Tighten as hard as possible by hand. Next, use the smooth end of a drill bit or a screw driver to continue to tighten the adapter further using the ¼" through holes on the adapter.

6.) INSTALL CAT FUEL FILTER AND BLEED SYSTEM

If not already installed, thread the stainless steel fuel filter nipple onto the CAT adapter. Install the small thin o-ring over the large threads on the filter nipple. Apply a thin layer of grease to this o-ring and the pre-installed o-ring on the CAT fuel filter. Install the CAT fuel filter on to the fuel filter nipple and tighten. Follow your trucks service manual and prime the fuel filter as you normally would your stock fuel filter. Congratulations, you have now successfully installed the FGT Cat Adapter upgrade on your vehicle!