Cummins Single Filter Kit Installation

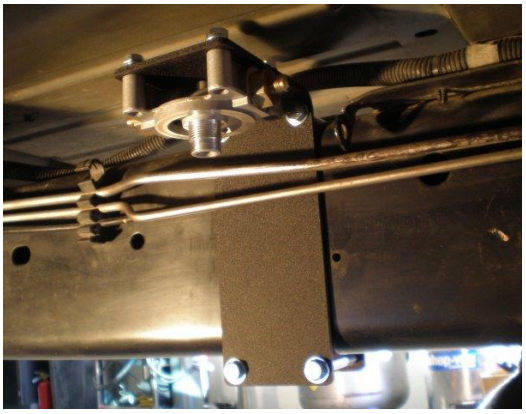
Thank you for your purchase. We appreciate your business, and are confident you made a great decision to protect your fuel system for many future miles! If you have any questions with the install, please email us at info@dieselfuelfilterkits.com and we will respond as quickly as possible to get you taken care of.

Install: Considered moderately easy, and takes 30-45 minutes depending on your mechanical ability.

Tools Needed: Basic wrenches, and provided mini tube-cutter.

STEP 1. Filter will be placed at the rear of the driver's door inside the frame on long-beds and further up the frame behind the control arm mount on short-beds. Pivot and slide the "L" shaped bracket up behind the three steel lines running down the frame. Place long bolts through the holes with flat washers on the head side. Hang rear backing-plate and install lock nuts. Position wherever and tighten. If you over-tighten them, it will bend the brackets!

STEP 2. Next, install the filter base. Be **VERY** careful to look at the arrow on the top of the base and point it towards the front of the truck before bolting to the underside of the bracket! Tighten bolts.



STEP 3. **This is by far the most important step of the process.** Install and tighten the provided boss fittings into each side of the filter base. Finger tighten only the hoses to each side of the filter base. Now bend them into position to the very **TOP** steel line. Make sure it is the bigger 3/8" steel line, as this is your fuel supply line. Zip tie the hose at the back-end of the fitting to the steel line to hold it in place for now. Reference the picture on the top of the next page. You want to make sure your cuts are at the base of the threads on the compression fittings on each side of the filter base. Once you have both of your cut-lines marked on the steel line, go ahead and cut the zip ties and remove the hoses. Next, pull the steel line out

of the frame holders and away from the frame and cut that section out between your marks using the small tube cutter provided.

(NOTE: T*he shoulder, or thick end on the compression sleeve faces the nut if it happens to fall out and you are not sure which direction it goes on the fuel line*).

STEP 4. Discard the section of steel line cut out and place the nuts and ferrules over each remaining steel line end. You may need to file or sand the burrs and steel line coating off to get the ferrules over them. Now insert the steel lines as far down inside the compression fittings as they will go and hand tighten the nuts on the fittings being sure to hold the steel lines down inside the fittings bottomed out. When they are finger tight, mark the nuts and the fittings as in the picture above. You will tighten the nuts to the fittings 1-1/4 turns to compress the ferrules inside. Once these are both installed, tighten the aft hose only to the filter base. Next install the filter and hand tighten being sure to lube the top rubber gasket on the filter so it's easier to remove next time.

** BE CAREFUL NOT TO CROSS-THREAD OR OVERTIGHTEN THE FILTER. **

Hold a cup or bucket up to the forward side of the filter base boss fitting and have someone turn on the key to get the fuel pump priming (they may have to bump the starter) for up to 20-30 seconds to fill the filter and purge the air out (this is assuming you have an in-tank pump). Once fuel starts pumping into the cup or bucket turn off key and tighten the forward hose to the filter base. Recheck all fittings and cycle key on, or bump starter, a couple more times for 10-15 seconds to purge remaining air back to the tank. Start truck and check for leaks.

NOTE: On trucks with the fuel pump on the back side of the stock filter housing, we recommend that you bleed the air after the fuel pump before attempting to start. This may be obtained by cracking a fitting on the stock filter housing itself or opening the stock fuel filter drain valve.

***We recommend that you keep your stock fuel filter in place for water separation and also run a good fuel additive.*

*** Replace filter every 15,000 +/- miles depending on fuel conditions in your area.*