

**LIFETIME SPIN-ON  
DURAMAX FUEL FILTER**

**“THE CLEANABLE FILTER”™  
CONGRATULATIONS!**

YOU HAVE PURCHASED THE MOST TECHNOLOGICALLY ADVANCED  
AND ENVIRONMENTALLY FRIENDLY FUEL FILTER AVAILABLE!!

**How to install your Pure Power!® Lifetime Fuel Filter™**

1. Open your Pure Power! Filter and familiarize yourself with the four main pieces:  
A) Stainless Steel Filter Element B) Stand-off Plate; C) Canister;  
D) Mounting Flange W/Thread (AKA: Top or adapter plate)

**NOTE:** This picture is only representative. Your actual filter may be a different design or shape.



**IMPORTANT NOTE:**

**MAKE SURE ALL O-RINGS AND THREADS ARE WELL OILED BEFORE RE-ASSEMBLING.  
(DO NOT USE DIESEL FUEL FOR ASSEMBLY.)**

2. Remove your air cleaner induction tube.
3. Disconnect the Fuel/Water indicator wires from the bottom of the stock fuel filter.
4. Remove the stock fuel filter.
5. Pour the fuel from the stock fuel filter into a clean 1 quart container.

6. Remove the Water Indicator Switch from the bottom of the stock fuel filter and lightly lube the plastic threads on the water indicator switch.
7. Using the new Viton O-ring provided, install the water indicator switch into the new Pure Power! Fuel Filter.  
Using your index finger, find the stock mounting flange and check to see that the old o-ring is not stuck inside. If it is there, remove and discard it. The Pure Power! Lifetime Fuel Filter is designed with Viton® O-Ring(s) fitted in the top of the fuel filter mounting flange for maximum sealing ability.
8. **Generously** lube the top O-ring and threads of the new Fuel Filter with new motor oil and pour the fuel from the stock fuel filter into the new Pure Power! Fuel Filter.  
**\*\*\* DO NOT USE DIESEL FUEL TO LUBRICATE – it is NOT a lubricant!!! \*\*\***
9. Installing the new fuel filter: When the fuel filter top o-ring makes contact with the filter mounting flange, tighten one full turn by hand. **TIGHTEN BY HAND ONLY (NO TOOLS). DO NOT OVER TIGHTEN.** THERE WILL BE SOME SEPARATION BETWEEN THE MOUNTING FLANGE AND THE CANISTER. Over tightening may cause leakage.
10. Re-connect wires for water indicator and prime the fuel filter as per your Duramax Owner's Manual instructions.
11. Replace the air cleaner induction tube.
12. Start engine and check for leaks.
13. Ensure that engine fuel is installed, then start your engine and check for leaks.

## **How to service your Pure Power!® Lifetime Fuel Filter™**

If your car is still under warranty, inspect and clean the filter at your manufacturer's suggested fuel filter change intervals. If your vehicle is out of warranty you should inspect the filter element at every other oil change for lint and debris. If your filter shows several pieces of debris, clean, reinstall and inspect again at 1,000 miles. Remember, just because it may appear clean, it may still need cleaning because the two layers of filter media trap particles that are too small for the human eye to see without magnification.

## **HOW TO CLEAN THE ELEMENT**

**IMPORTANT NOTE: CLEAN AND FLUSH THE FILTER ELEMENT AT LEAST 2 TIMES EACH YEAR!**

A good reminder is Fall and Spring when you change your clocks and Home Smoke Detector Batteries.

## **HOW BIG IS A MICRON?**

**There are 25,400 microns in one inch.**

**This dot (.) is approximately 1/64 of an inch wide and equals 615 microns.**

Remember, the human eye can not see smaller than 35-40 microns without magnification. A human hair is 50-120 microns.

**This fuel filter will remove particles smaller than 1 micron.**

**(A micron is 1/25000<sup>th</sup> of an inch.)**

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Pure Power! Lifetime Filters are proudly designed and manufactured in America exclusively by  
**Pure Power! Incorporated, a certified ISO 9001:2008 Company**  
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## How to inspect and clean your Pure Power!® Lifetime Fuel Filter™

1. Place a drain pan beneath the filter.
2. Unscrew the canister from the mounting plate. (In most vehicles, the mounting plate will stay attached to the vehicle. If it does not just re-assemble and re-install as you did originally).
3. Grasp the Stainless Steel Filter Element and rotate and push to one side to slide it off the O-ring in the mounting flange. Remove Stand-off Plate assembly from the bottom of the element.
4. Inspect the outside stainless steel filter element for debris. Inspect the magnets inside the outer cage of the element. Remove any black debris (ferrous metal) with a magnetized screwdriver or strong magnet.
5. Rinse the Canister, O-rings and Stand-off Plate. Hand wipe, inspect all O-rings and replace if damaged. Viton® O-Rings will last many years unless cut or otherwise damaged. Do not use Brake-Kleen or Carb Cleaner on O-Rings.
6. The element can now be washed in a CLEAN (new fluid) biodegradable parts washer or hot soapy water. Brake-Kleen or Carb Cleaner can be used to clean stainless steel filter element ONLY.
7. **WASH ELEMENT FROM INSIDE OUT.** Rinse and if available, use compressed air from inside out to blow off any cleaning agents from your filter element. Again, blow from inside out. Otherwise, shake and allow to completely air dry before re-installing. Remember, the particles found when cleaning the element were already running through your fuel system, and could possibly cause damage.
8. Hold your stainless mesh element to the light to ensure that it is completely clean. If it has particles in the element, return it to the wash area and clean again. Some debris may require multiple flushing to extract.

## How to re-assemble your Pure Power!® Lifetime Fuel Filter™.

1. **THOROUGHLY** oil ALL O-rings and threads with clean motor oil. **DO NOT USE DIESEL FUEL. DO NOT TRY TO REASSEMBLE WITHOUT OIL ON ALL THREADS AND O-RINGS.**
2. The Filter Element should be installed on to the mounting plate first. The O-ring seal should be a snug fit.
3. Fill the filter with fuel from the top side of the filter.  
**NOTE:** If your filter mounts horizontally, **DO NOT FILL COMPLETELY WITH FUEL.**
4. Put a generous coat of clean motor oil on the mounting surface of the O-ring(s). When installing the filter, **TIGHTEN BY HAND (NO TOOLS) APPROXIMATELY 3/4 TO 1 FULL TURN AFTER O-RING MAKES CONTACT WITH ENGINE MOUNTING SURFACE. DO NOT OVER TIGHTEN! Over tightening may cause leaks.**
5. Ensure that engine fuel is installed, then start your engine and check for leaks.