

FERRETWARE

SPIN-ON OIL FILTER ADAPTER

The Ferretware spin-on oil filter adaptor is very easy to install. Just follow these steps!

1. Perform whatever oil changing you would normally do. Remove the original filter for the last time, and clean up the mess.
2. When you are ready to install the filter adaptor, hold the adaptor by the large threaded end and insert it up into the filter casting. **IMPORTANT!** The adaptor **MUST** be installed in the proper direction to allow proper oil flow. Look at this illustration:



3. Make sure the opening in the side of the adaptor is facing in the direction of the arrow, towards the wedge shaped opening in the casting. You should be able to feel this with your finger. The two flats in the middle of the adaptor are parallel to the opening.

4. Hold the adapter in place insert and tighten the top plug and washer. If necessary use a wrench on the flats on the adaptor. **IMPORTANT - Do not over tighten as you could crack your casting, a very bad thing!**
5. That's it! You're done - all you have to do is to spin on the filter, following the instructions. Remember to place a coating of oil on the rubber seal on the top of the filter. You should also fill the filter with oil as this will prevent oil starvation for the first few seconds when the engine is started up while the oil pump builds pressure. Tighten your filter - usually they call for tightening $\frac{1}{2}$ turn or so after the filter makes contact with the casting.

FILTERS THAT WILL FIT THIS ADAPTOR

NOTE: Apparently there are different casting sizes. Make sure that you know the size of the innermost ring in your casting (where the arrow is pointing in the photo). This is the "new" sealing surface for your spin-on filter. These filters will fit the castings according to those who have installed them:

1. NAPA #1777 (apparently best fit but more expensive at around \$22 USD)
2. Volvo #478736 "Long Life" (not sure what that means, but it's an expensive filter)
3. Purolator #L59068 (also expensive, around \$30)
4. Fram #PH49A available through most auto parts store, around \$8
5. NAPA #1791, around \$11

WARRANTY

WE AT FERRETWARE HOPE YOU ENJOY THE EASE OF CHANGING FILTERS WITH OUR ADAPTOR! IF YOU ARE IN ANY WAY UNSATISFIED WITH THIS PRODUCT YOU MAY RETURN IT FOR A FULL REFUND LESS SHIPPING!

Additional information may be found on our web page
<http://www.ferret-afv.org/maintenance/adaptor.htm>

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