

IFS Tech Note 3-16-19

Hi Folks,

To clarify a question that came in regarding “pre-filling” the IFS bowl on assembly, either new install or element change.

- The big to do about pre-filling your engine OIL filter or FUEL filter as shown on youtube is valid. However, the IFS design is very different in regards to pre-filling. The photo below shows the assembly of the bowl and element to the housing head. You will see that the element is installed in the housing. This isolates the bowl oil when you pre-fill so that if nuts, bolts, rocks, stones..... got into the bowl it can in no way get into the secondary of the filter housing. The secondary oil is supplied to the head/injectors. That said, you don't need to be paranoid about pre-filling the bowl. Fill it to 2” below the top and assemble the bowl as described in the manual.

Element Change Note: Follow the instructions as described in the manual. However, we have found removing the indicator allows trapped air out of the head while tightening the bowl. This reduces the torque required to tighten the bowl. Be sure the sealing washer under the indicator is not lost when you remove the indicator. Simply install the sealing washer on the indicator and re-tighten after the bowl is tight. ** This is only applicable after a system has been in service and element change is required. New installs do not require this step.

Pre-filling the bowl will not allow contaminants into secondary head oil



Indicator removed for element change to remove trapped air.



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The indicator will show the current condition of the element. The engine must be running at idle to inspect. It measures the Delta P across the element and can only do so with the engine running. Below shows “Normal” operating condition and “Change Required” condition.

Normal operating condition.
Full green Indicator



Change Required. Red button exposed
while engine at idle.
Time to change element.



As always, feel free to contact me with ANY questions. Due to IRV2 forum not allowing “selling” any product, PLEASE phrase any inquiries as questions and not related to making a purchase. This way everyone that is on the forum can see the questions and learn more about protecting their engine as well. Positive comments would be appreciated.

It is my attempt to provide tech notes as required to share as much knowledge as possible. I do not want any IFS owner to ever have to buy any injectors!!!!

George