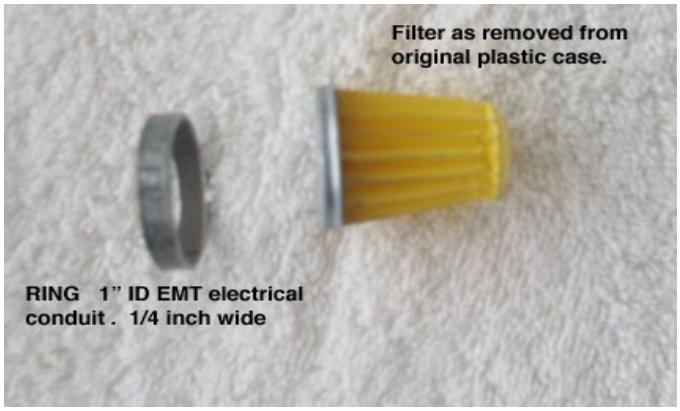
REPLACING CERAMIC FUEL FILTER WITH PAPER TYPE

The replacement filter is a Purolator purchased at Pep Boys for $4.00. NOTE: Unknown as to application but the FRAM crossover number is totally different shape and won't work. By carefully

splitting the plastic case, (I used a belt sander and ground off the seam) the filter can be removed. Be careful not to damage the metal ring located in the seam as that is used to provide a seal later on.

A holding ring was made out of a scrap piece of 1" ID electrical conduit. De-burred, it was exactly the correct diameter to fit over the metal part of paper element. It is ¼ in wide (to fit height of filter outlet plus 1/16" metal on element) and if a center gasket is used a bit less. It needs to be just wide enough to cover the outlet and metal shoulder of element but let the element be flush against outlet, otherwise assembly gets too long for bowl. The ring is the only piece that was the least bit difficult. There may be better options than conduit such as copper or brass or even some plastics--it's just what I had on hand. Unfortunately, there seems to be some sloppy inside diameters so a bit of extra caution and a check fit first before spending the time to make is advised. If someone has a better solution, please speak up.



The original gasket in filter was hard and brittle so new ones made from rubber impregnated cork that is gasoline resistant. (Neoprene O rings tried but not enough surface area.) The inner one, is probably not needed because if care is taken with metal ring to have smooth straight edges, it will seal nicely. A dab of gas resistant non hardening permatex was used on the first one made and seems to work well—no leaks yet and it's been about a year.


Gaskets in place and raised outlet shown. The element must sit flush on outlet and metal ring keeps everything centered and in place

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The filter fits in ring, and when glass bowl is installed, it will compress the bottom of paper about 1/8" and hold everything snug.