

Ford Super Duty 5.4L V8 Fuel Filter Replacement

2004 F250 4x4 XLT Sport Crew Cab

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I was time to change the fuel filter on my truck so I thought I'd put up a few pics of the process.

Tools & Parts I Used

- 3/8" disconnect tool
- Fuel pressure gauge
- FRAM G3850 filter
- Safety glasses
- Some rags

I decided to use a FRAM filter from Wal Mart. The only problem is that the electronic display in Wal Mart (that tells you which filter you need) tells you the wrong one! After typing in the year, make, model, engine, etc it told me I needed a G8018. This is a smaller diameter filter that is maybe for an F150? I knew it was the wrong one because I had just looked at mine a few days earlier. So, I checked the filter they recommend for a V10 and it said the G3850. That looked more like it, so I went with that.

G3850

FRAM

Fuel Filter

Filtre à carburant

Filtro de combustible

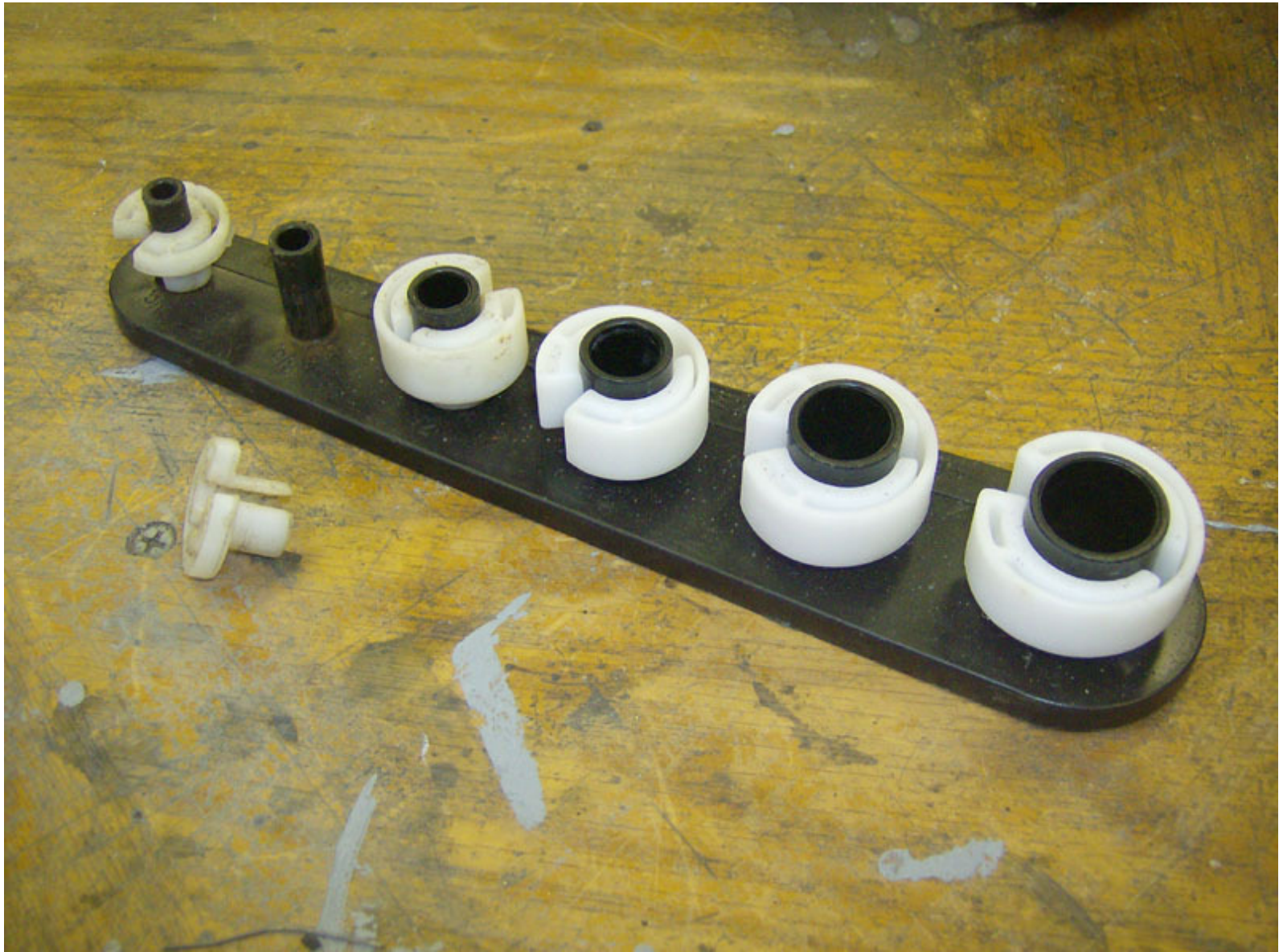


FRAM QUALITY INSIDE
LA QUALITÉ FRAM À L'INTÉRIEUR
CONTIENE CALIDAD FRAM

G3850



Here's the set of disconnect tools I have, with the 3/8" one off to the side. These can be had at any auto parts store.

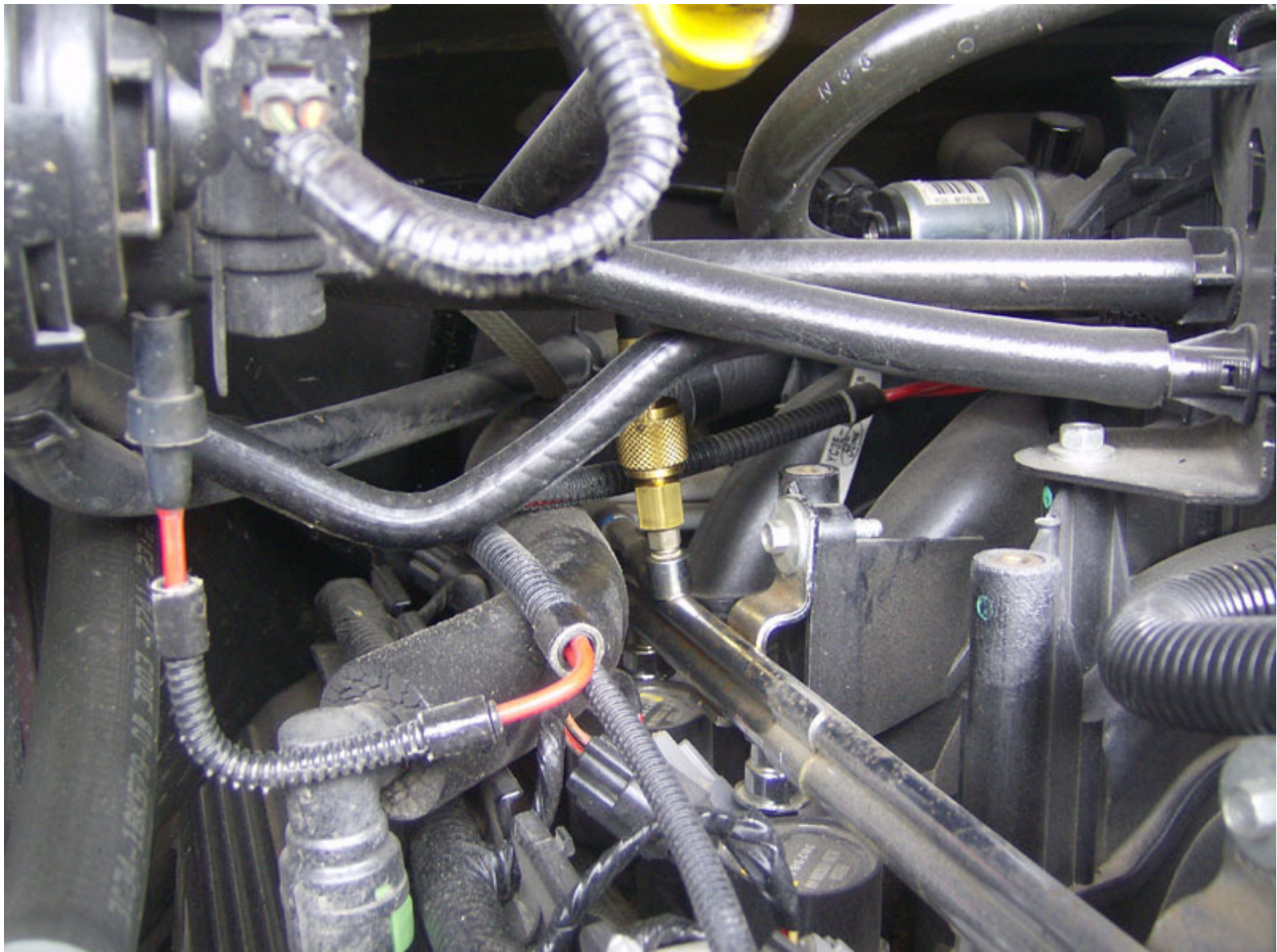


My Dad has a fuel pressure gauge, so I borrowed it for this job.

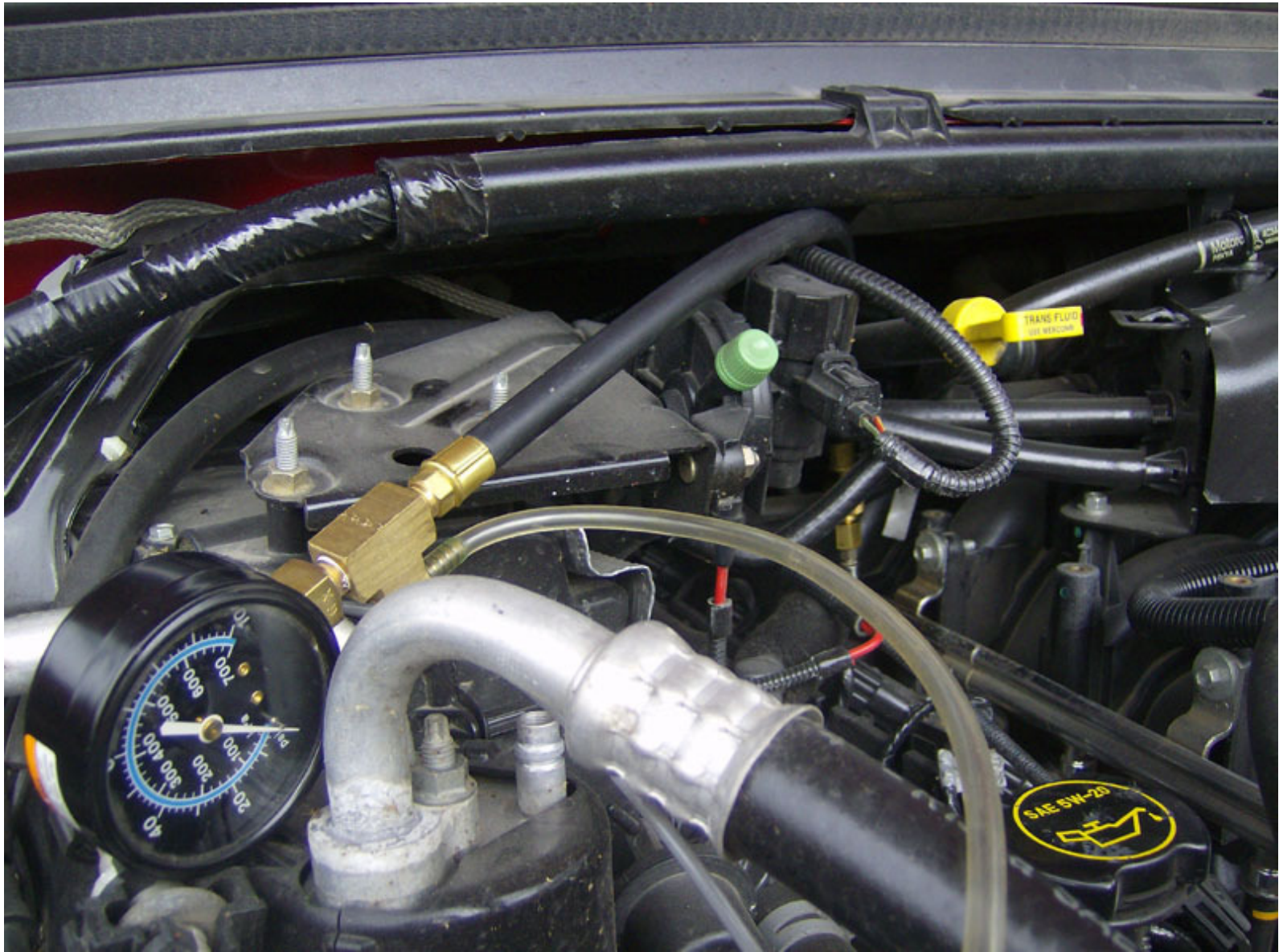


The very first step is to relieve the pressure in the fuel system. Since I was able to borrow a fuel pressure gauge, I did it "by the book" however most folks recommend starting the truck and then pulling the fuel pump fuse. Anyway, first I connected it to the port on the fuel rail shown here.





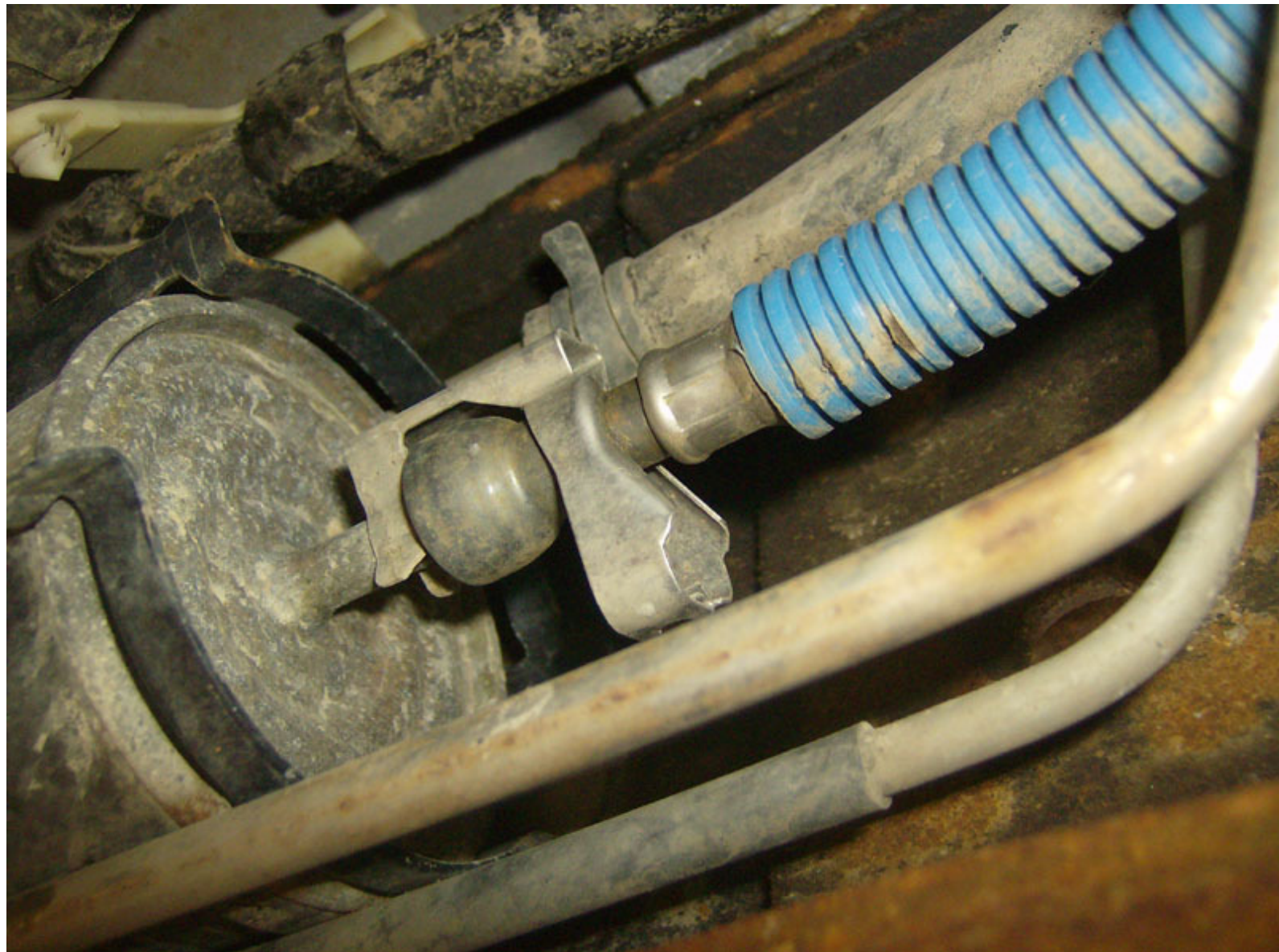
Then I relieved the pressure by pressing the button on the gauge and the fuel ran out of the plastic tube.



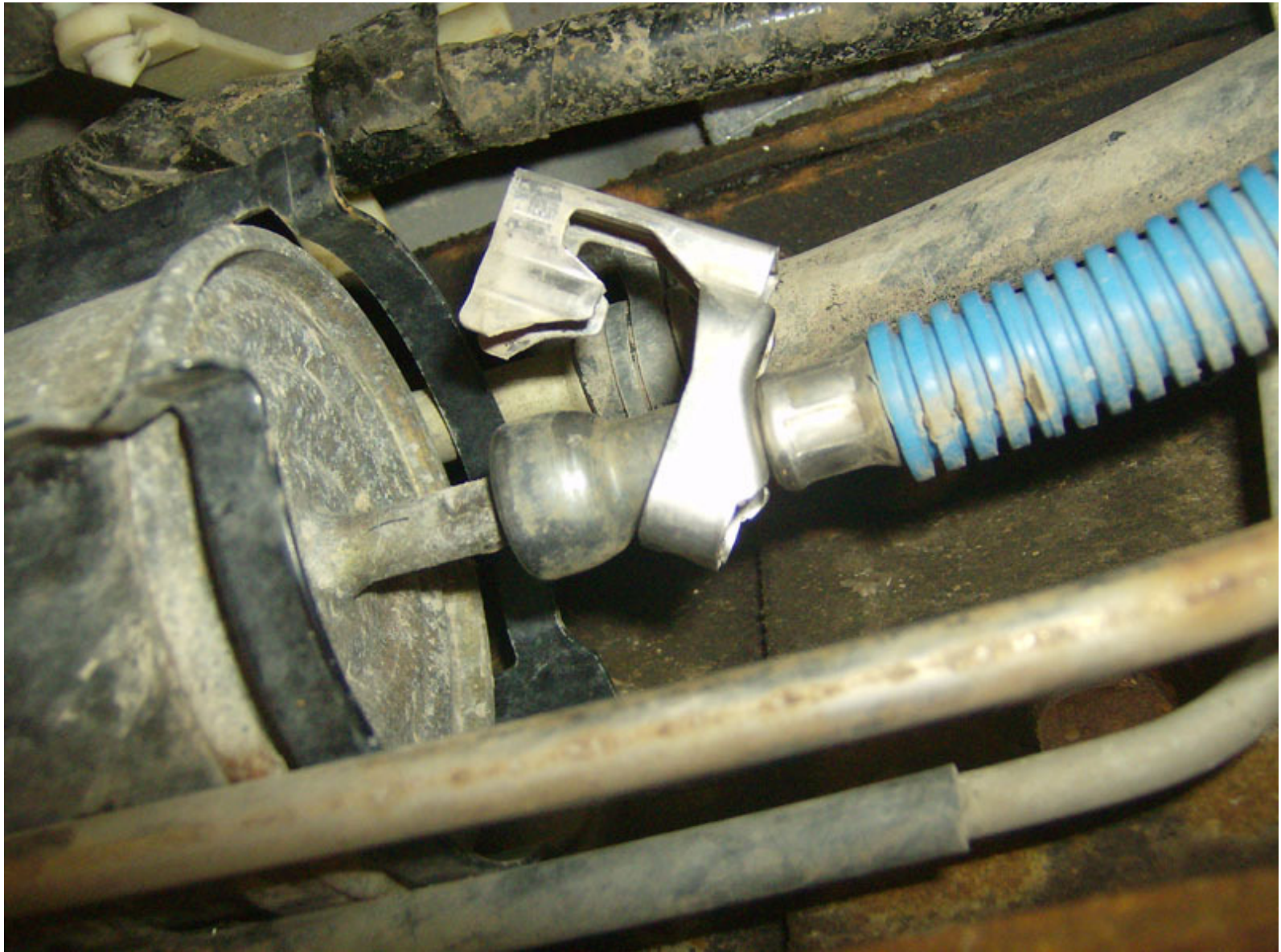
Now on to the filter.



Next step is to unhook this clip by simply pushing it toward the filter, then rotating it clockwise.



Like this...

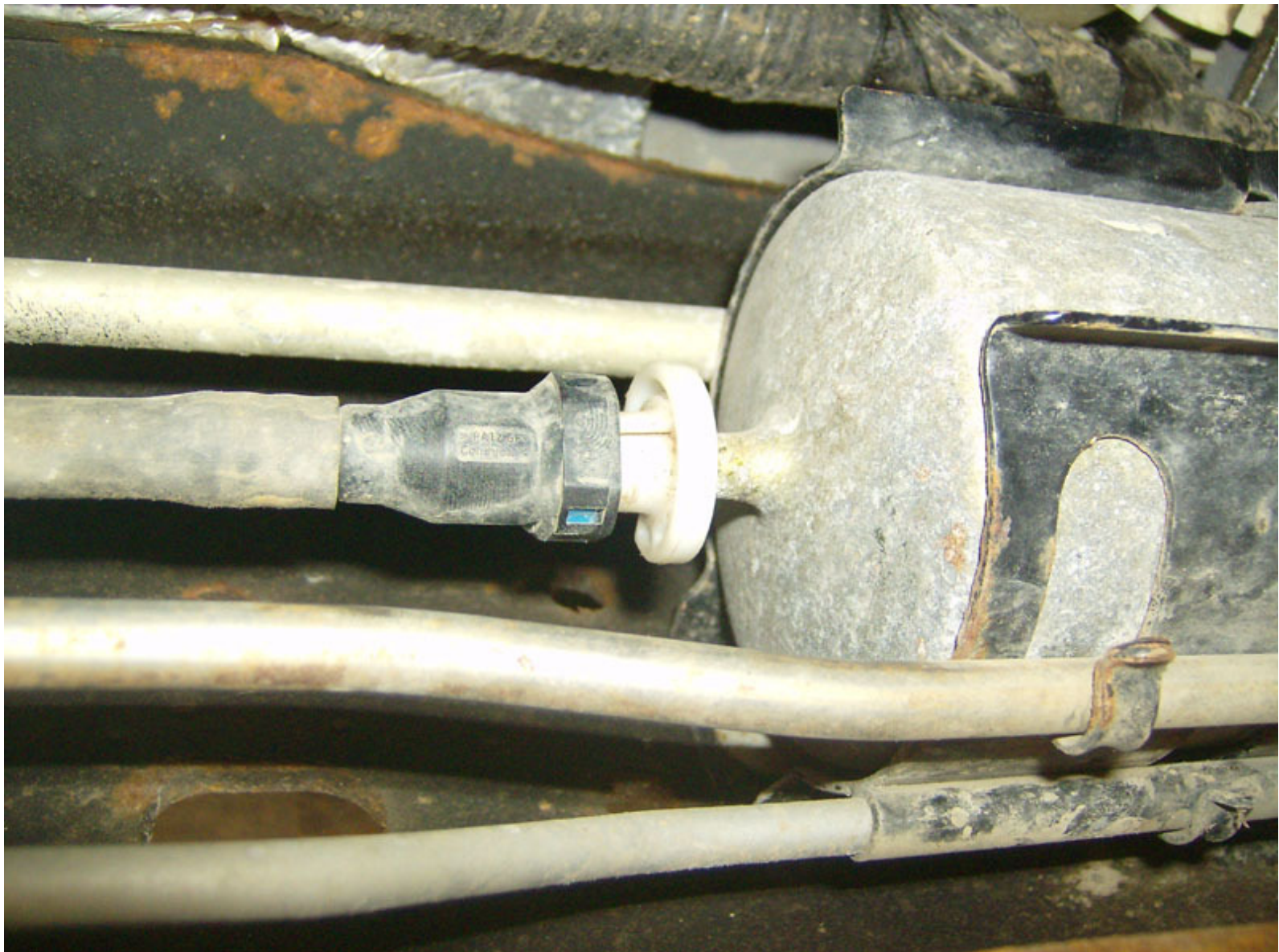


Next, insert the disconnect tool as shown and pull the line off of the filter.





Then repeat for the rear line.





Remove the old filter by prying the mount apart slightly and rotating the filter down & out. Try not to tip it too much because there's still some gas in it.

Install the new filter in the mount, snap the two lines back in place (you'll hear/feel them click), and re-hook the clip on the front line.



FLOW ▲
FLAM
G3850
FUEL FILTER
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Since the fuel pressure gauge was already hooked up, I decided to start the truck and check my fuel pressure at idle. Around 34psi and the book specifies 28 - 45psi so it looks like I'm in good shape, at least for now!



Questions or Comments? Email jmray@frontiernet.net