

Install Guide

Warning: You are working with the fuel system, I recommend running your fuel level as low as you're comfortable with, disconnecting the battery* , and letting the car sit over night before performing this procedure. In performing this procedure, you do so at your own risk and I take no responsibility for the modifications you make or the recommendations in this guide.

This procedure is based on an 08' 135i convertible, there may be slight differences in accessing your tank, but it should be the same for the most part and once inside the tank, it's exactly the same although the colors of the lines may vary slightly.

*Before disconnecting the battery, you may want to move your seats all the way forward to give you more room to work

** I suggest reviewing this entire guide before performing the install.

If you have any questions, send an email to bmw.fuelkits@gmail.com

Special thanks goes out to Terry @ www.N54tech.com and those of you who have contributed to this!

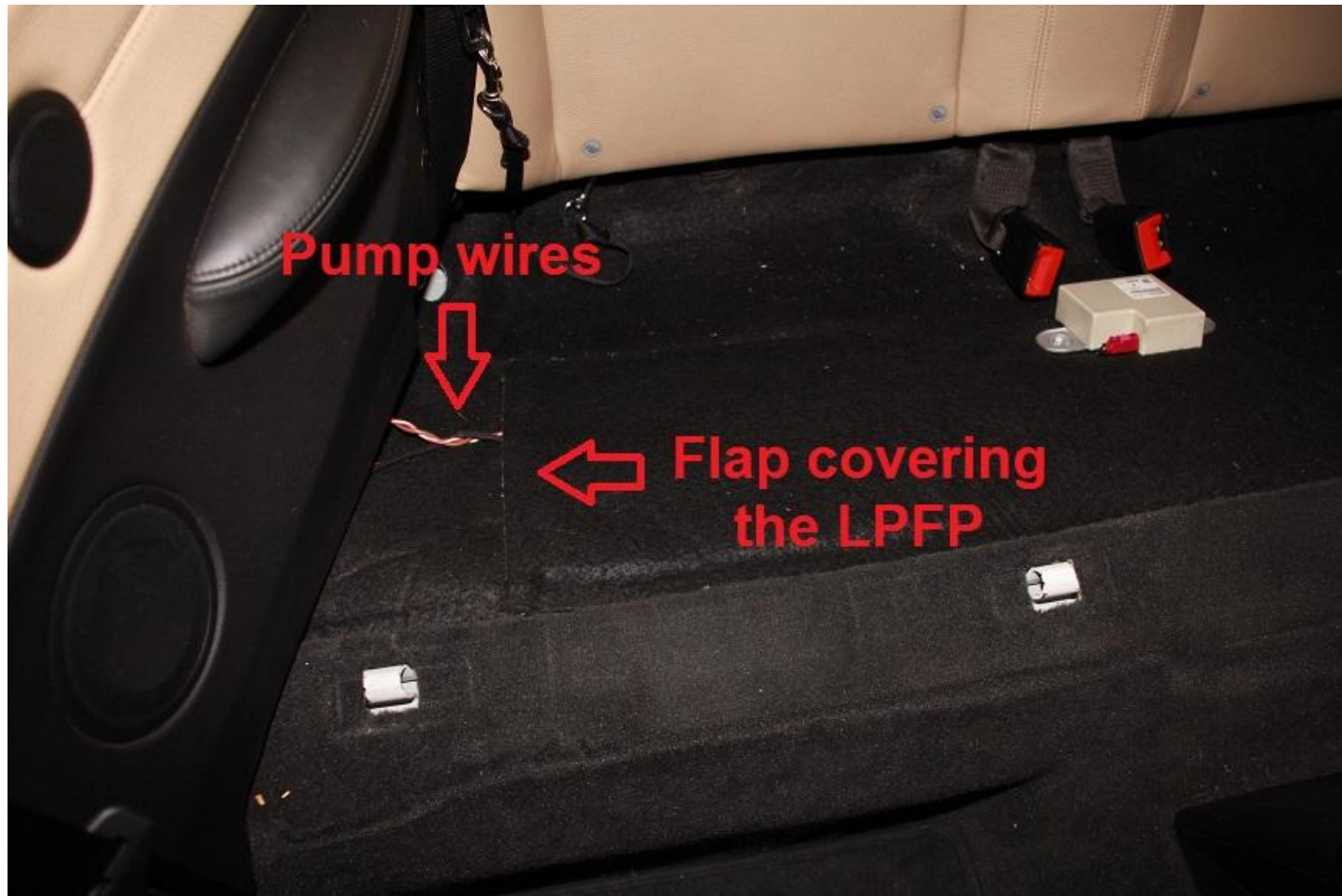
By continuing, you are acknowledge and agree to these terms!

Now to install your new pump...

Remove the rear seat



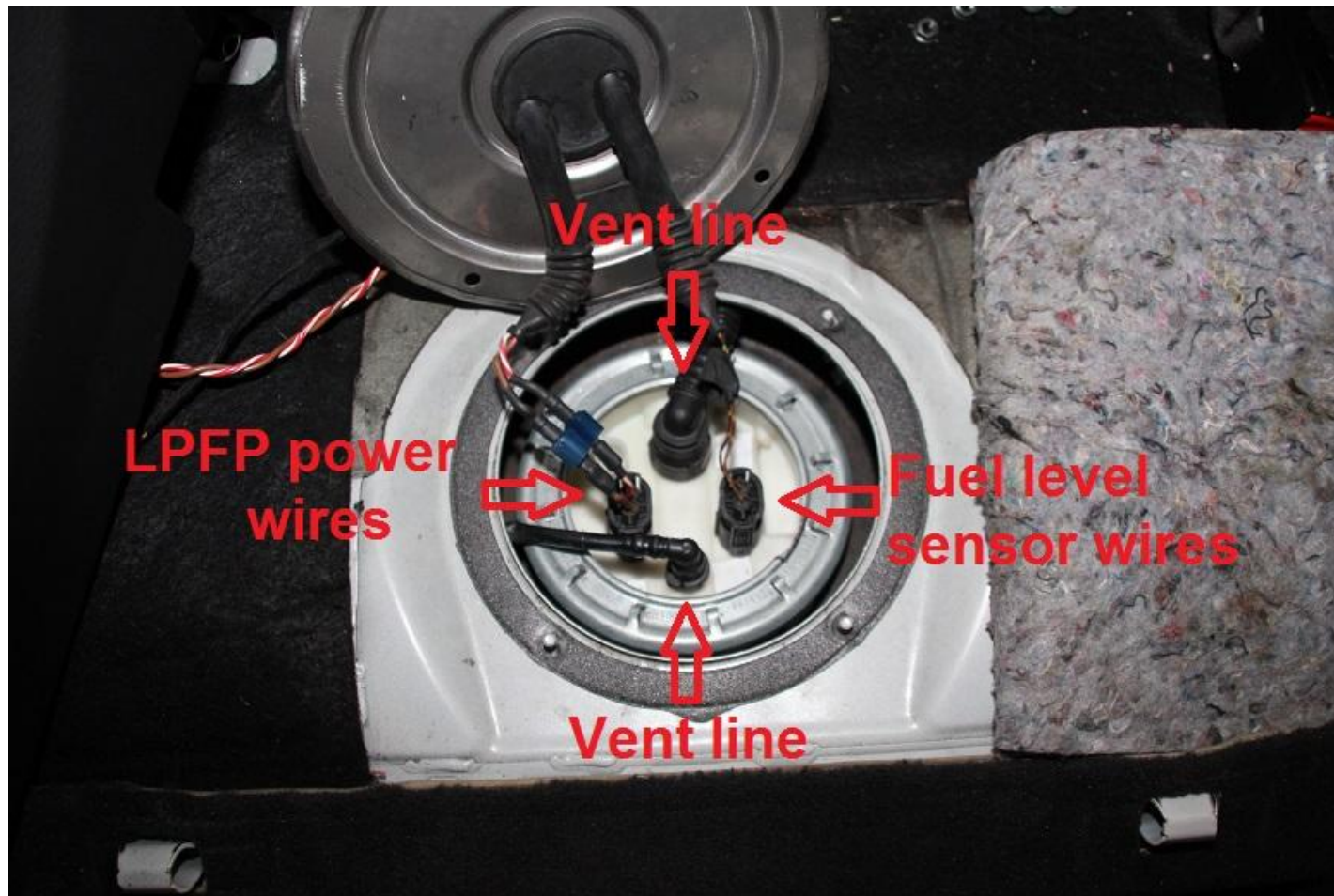
Locate and pull back the LPFP access flap.



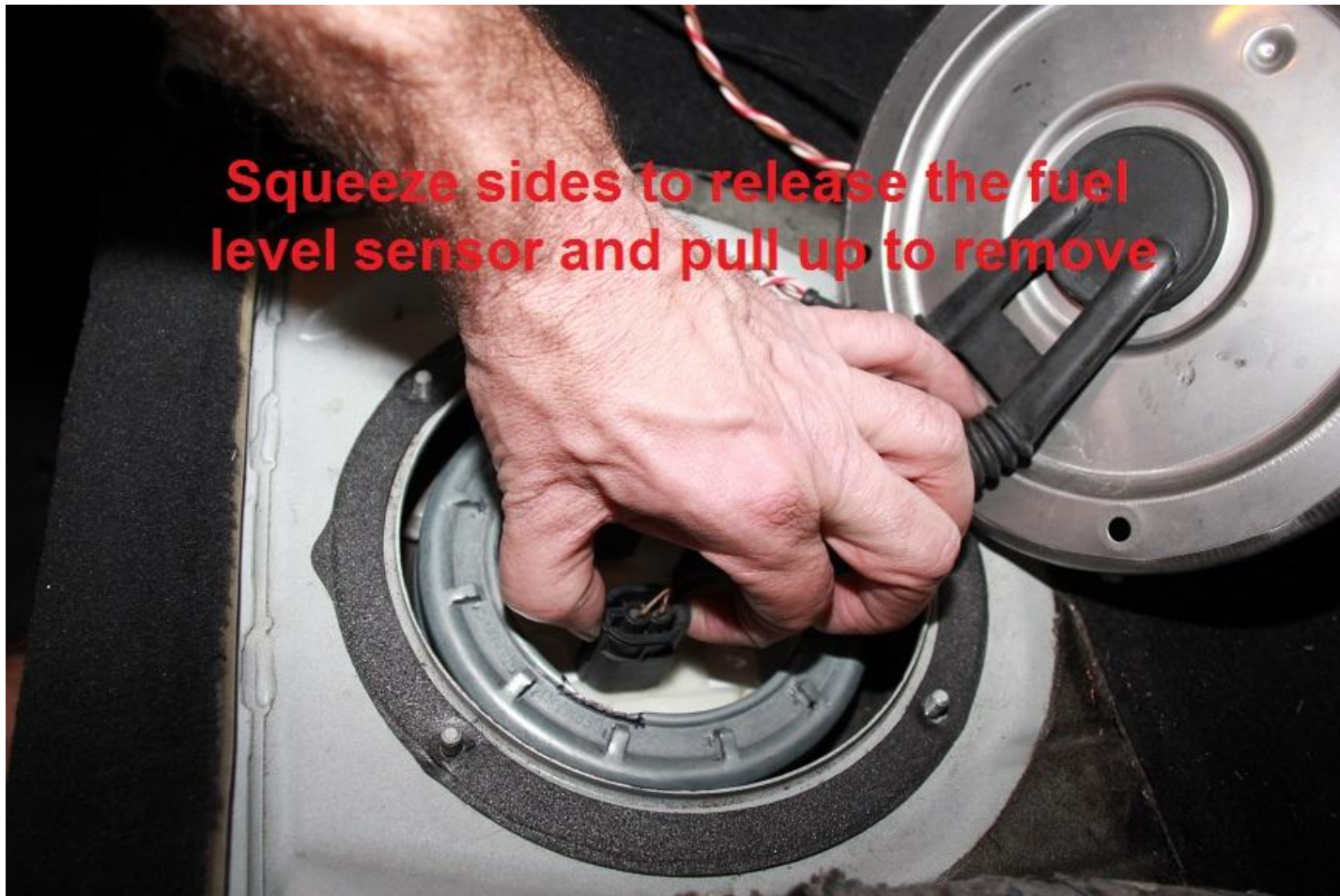
Remove the four 10mm nuts to the LPFP access cover



Remove the lid to access the “top hat”



Remove the fuel level sensor connector.



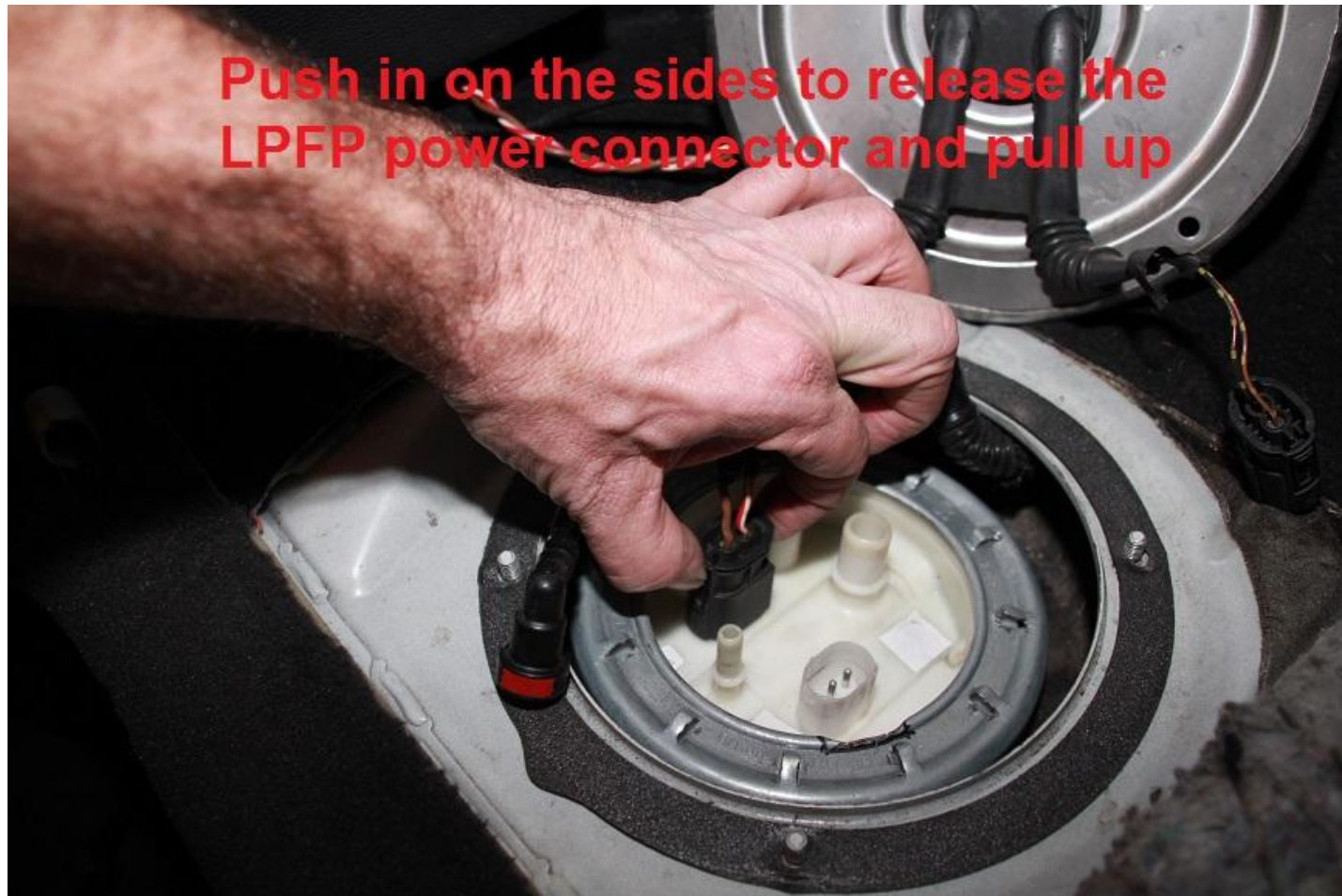
Remove the small vent line



Remove the large vent line



Remove the LPFP power wire connector



Remove the top hat retaining ring



To loosen the ring, I use a 17mm socket turned backwards on an extension and a rubber mallet

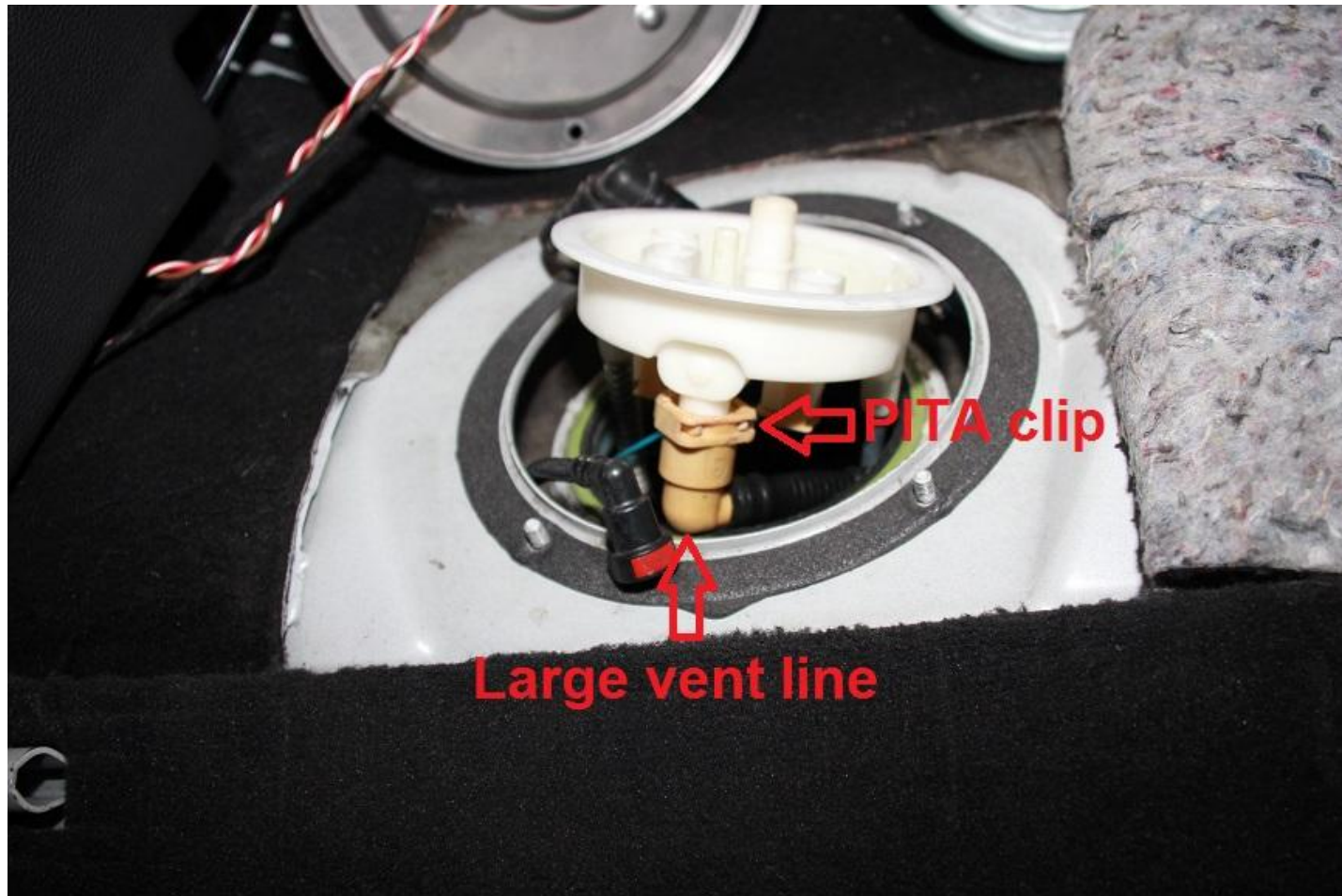


Tap against the tabs in multiple locations....BE PATIENT!

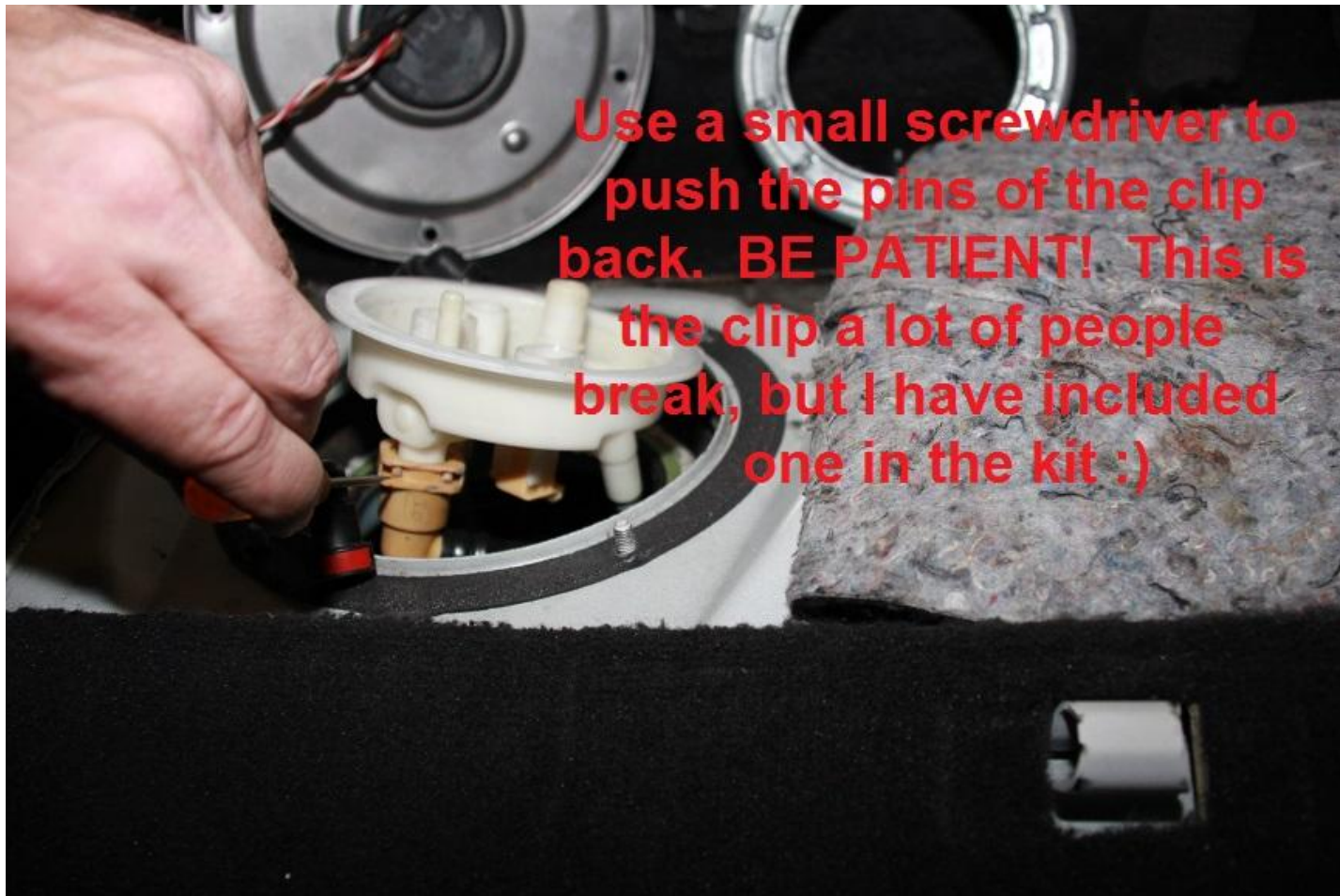
Lift the top hat to access the vent line on the underside



Remove the large vent line on the bottom side of the top hat



Remove PITA clip



Remove vent clip

* If it is in bad shape or you break it, an extra is included with every kit.



Pull the clip out the backside of the connector

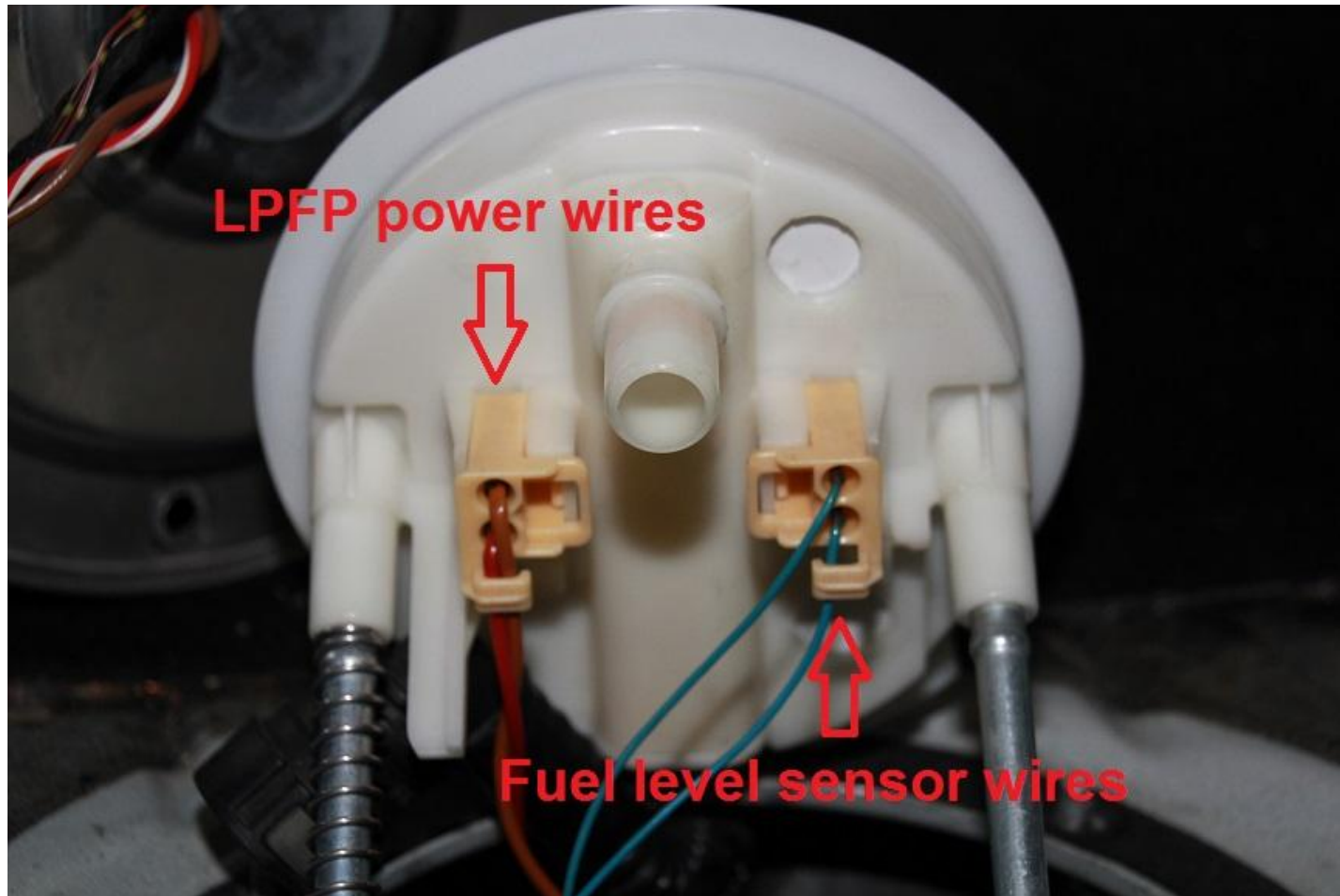
PITA vent clip



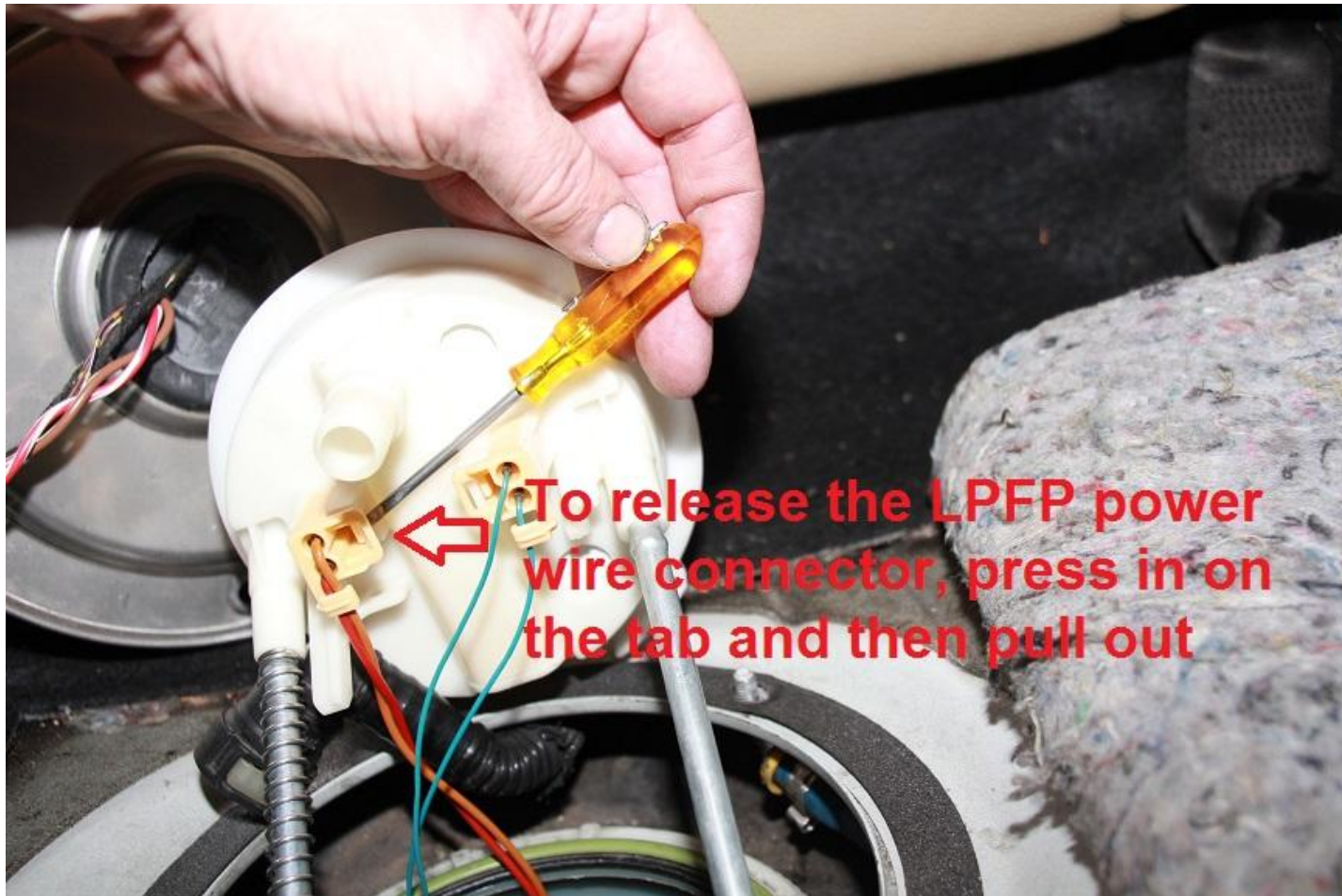
Remove the vent line



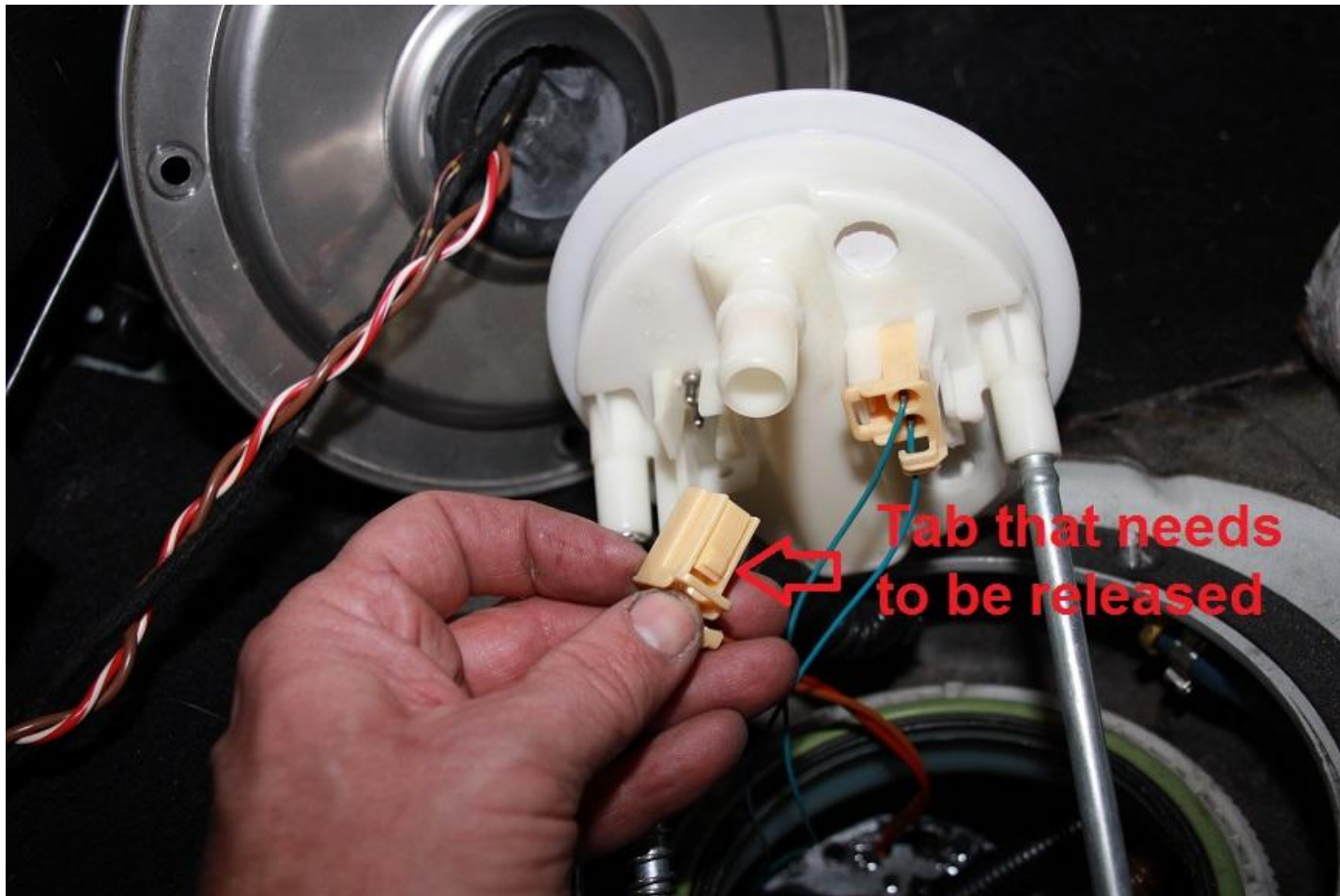
Remove the power wire connectors on the bottom of the top hat



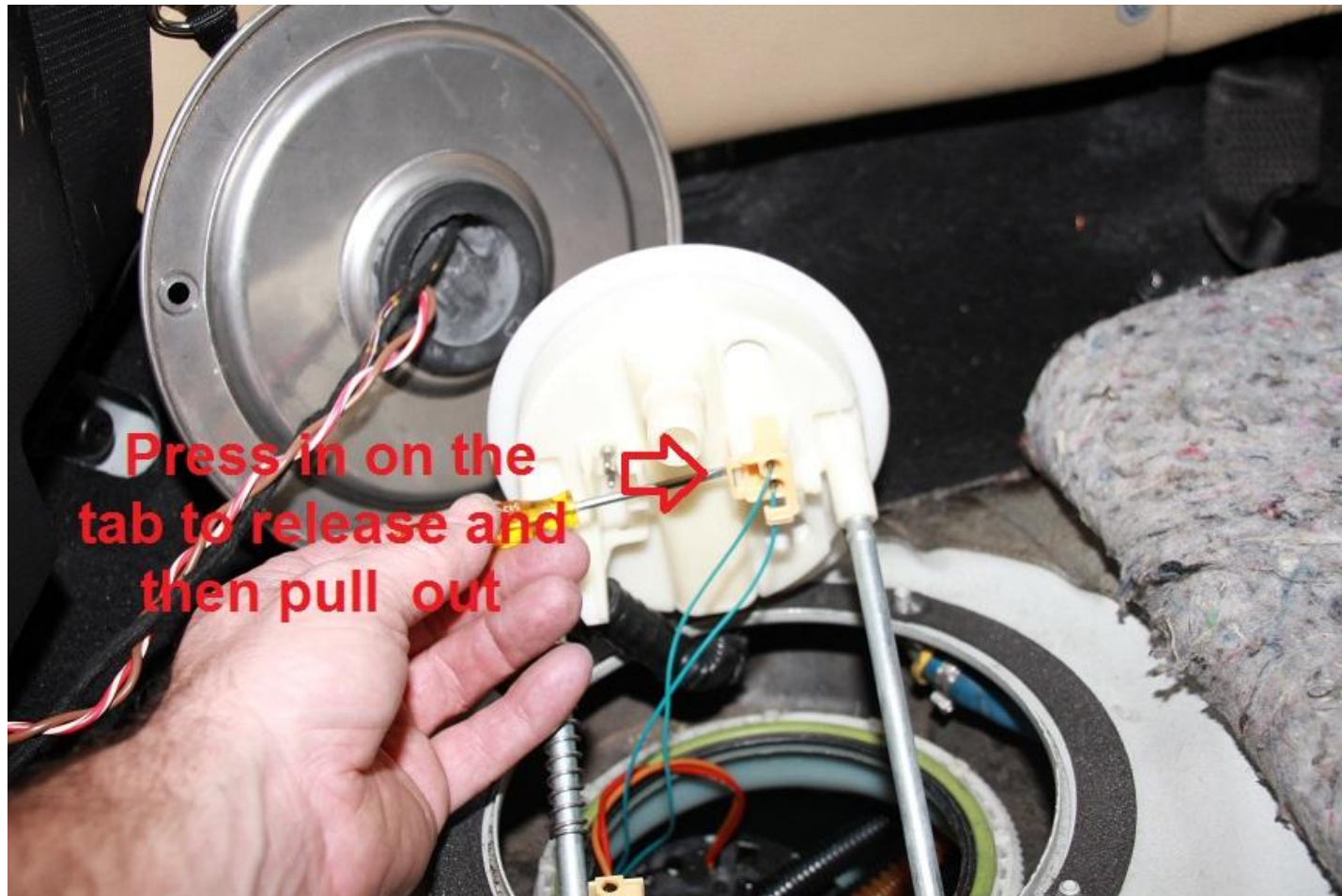
Remove the LPFP power wire connector



View of tab you need to release



Remove the fuel level sensor connector and set the top hat aside



Set top hat aside



Remove the fuel line from the output of the LPFP



Push in on the green button to release the fuel output line and pull up to remove it

90 degree fuel line fitting



Unclip and remove the black fuel return lines (order doesn't matter)



Pull up to release



Now that all the lines are removed from the bucket, it can come out for the inline pump install



Watch for the float when removing the bucket



Tilt bucket to clear the float



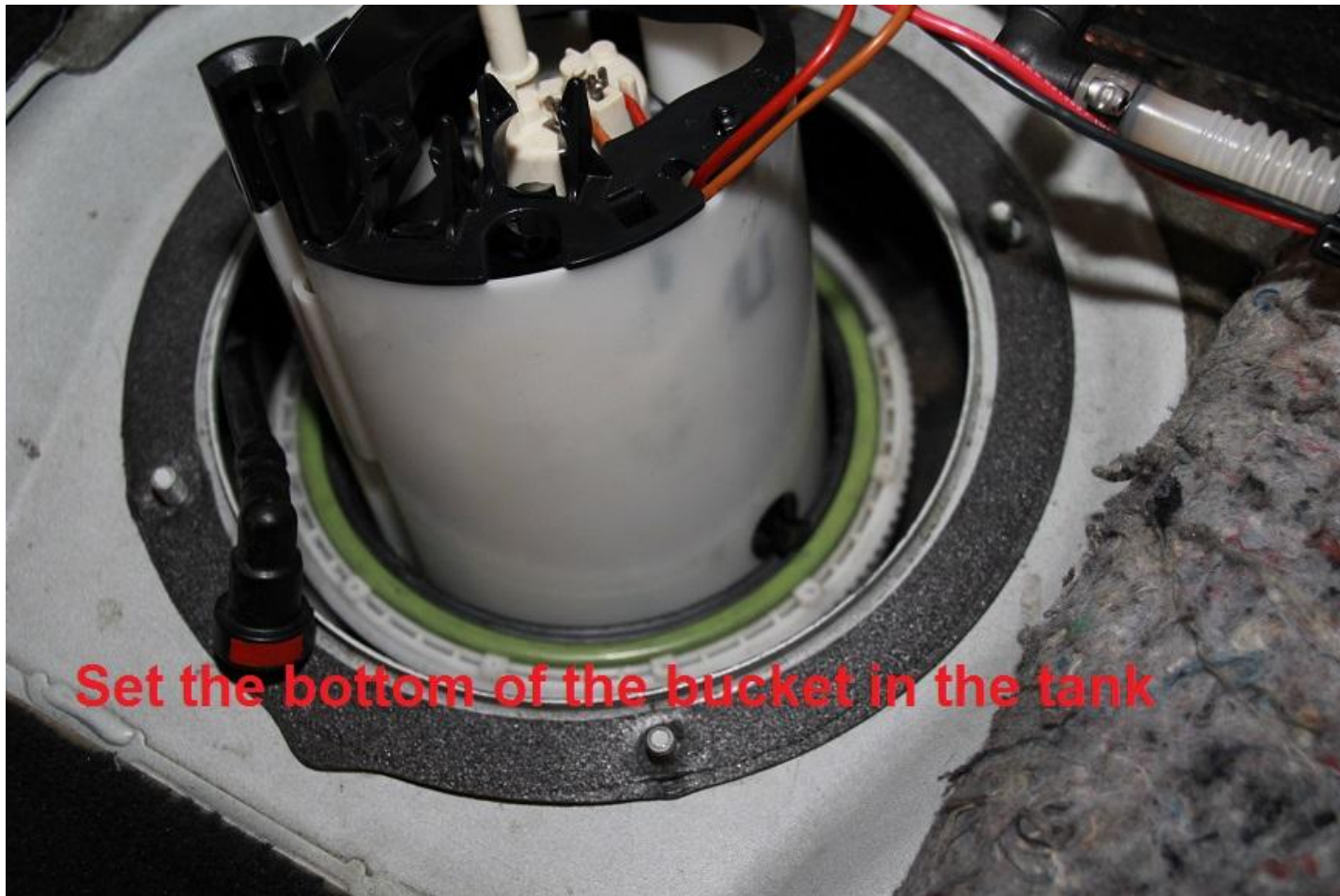
Watch the float as you clear the lip of the tank



A view of the float

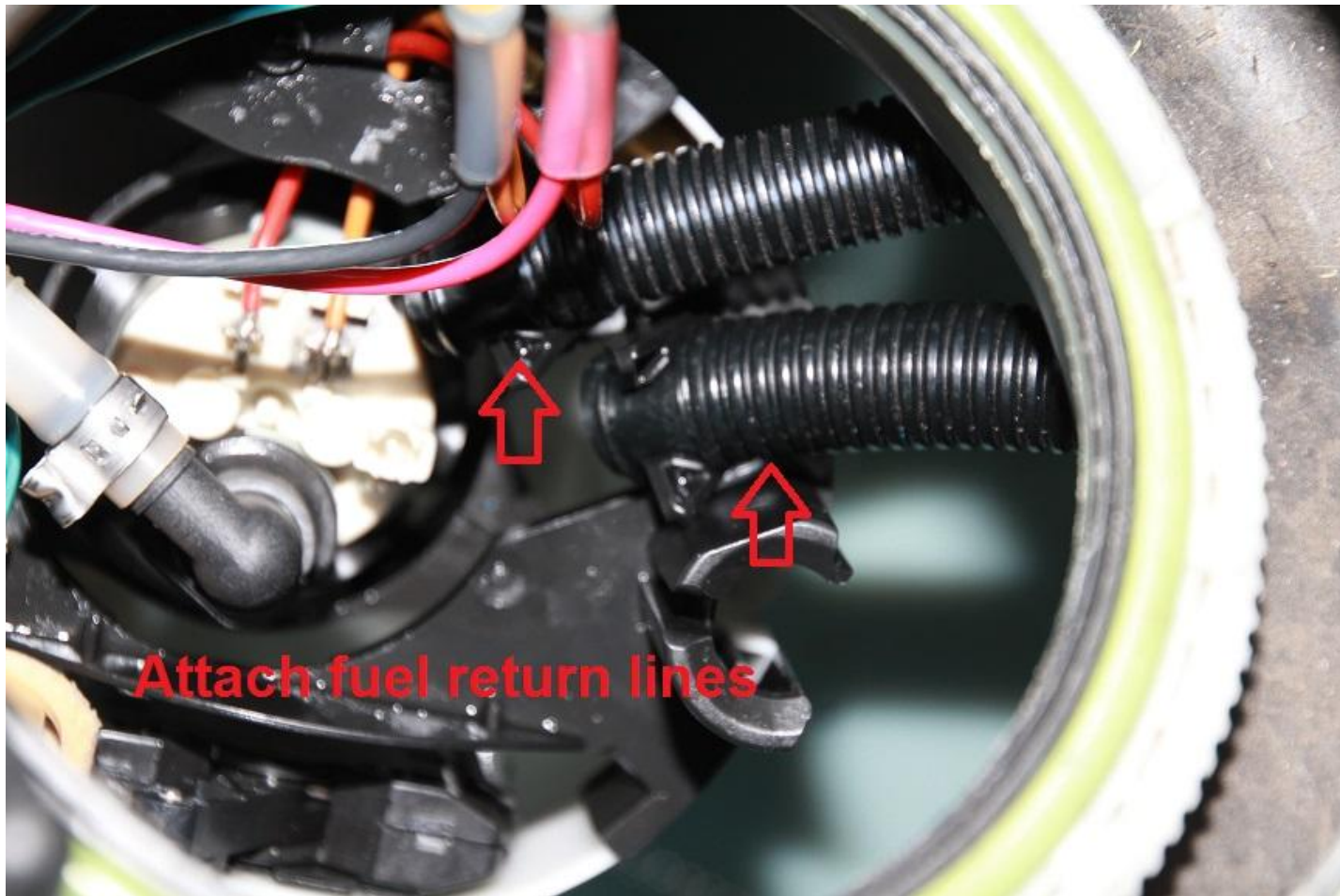


Put the new bucket assembly in the tank

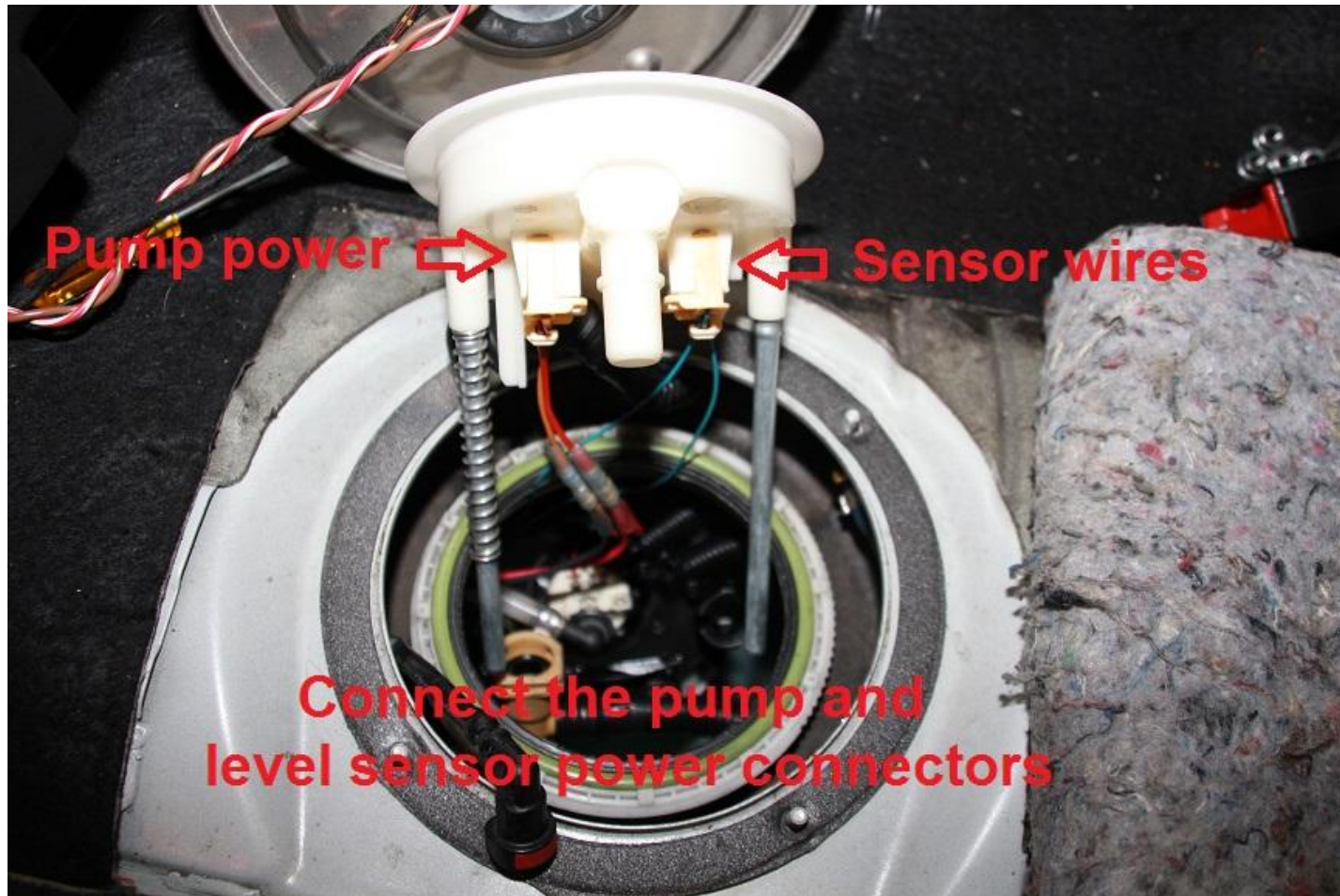


Install the stock fuel line

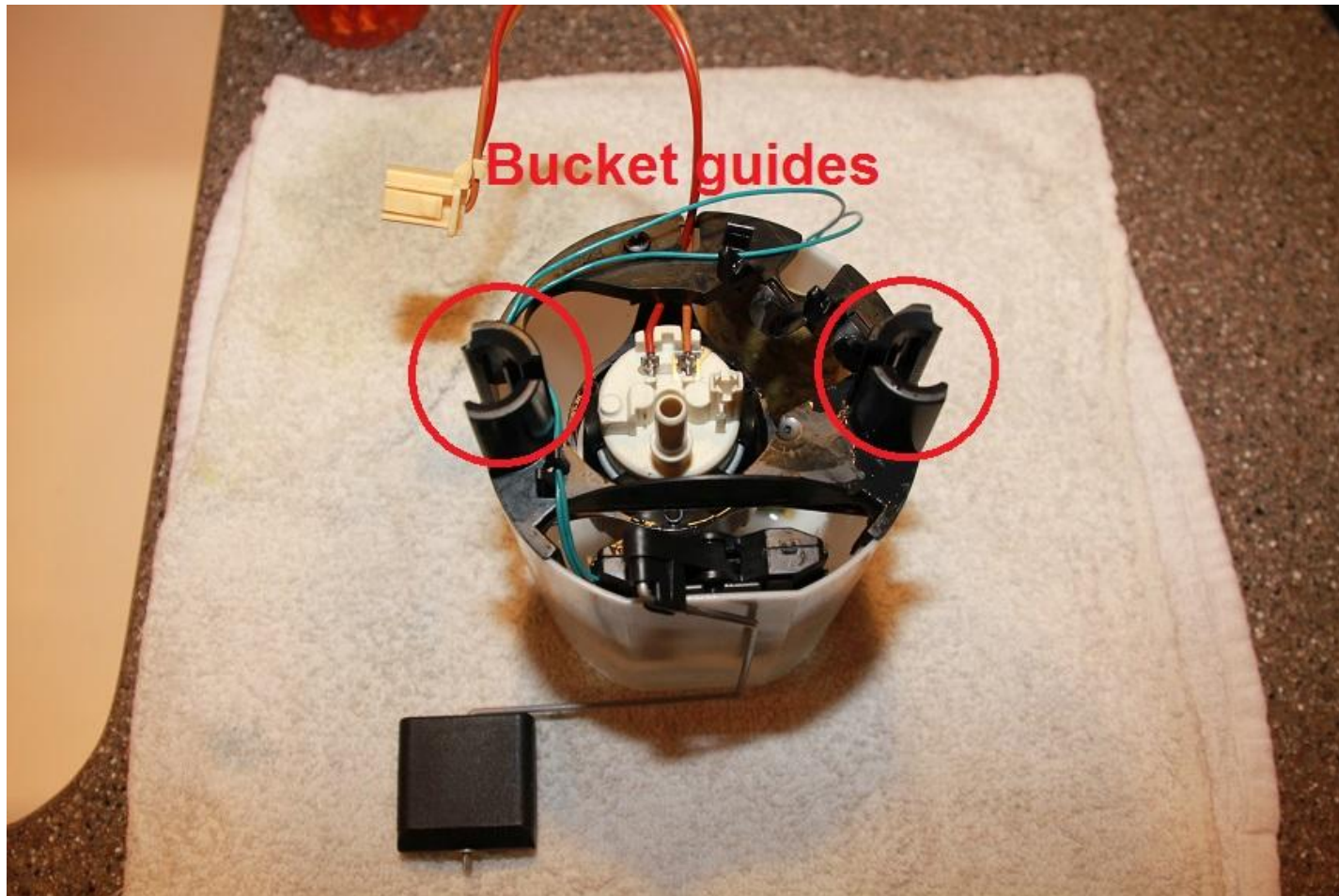
Attach the fuel return lines



Attach the pump and fuel level sensor connectors to the top hat



Insert the top hat guides in to the holes indicated below

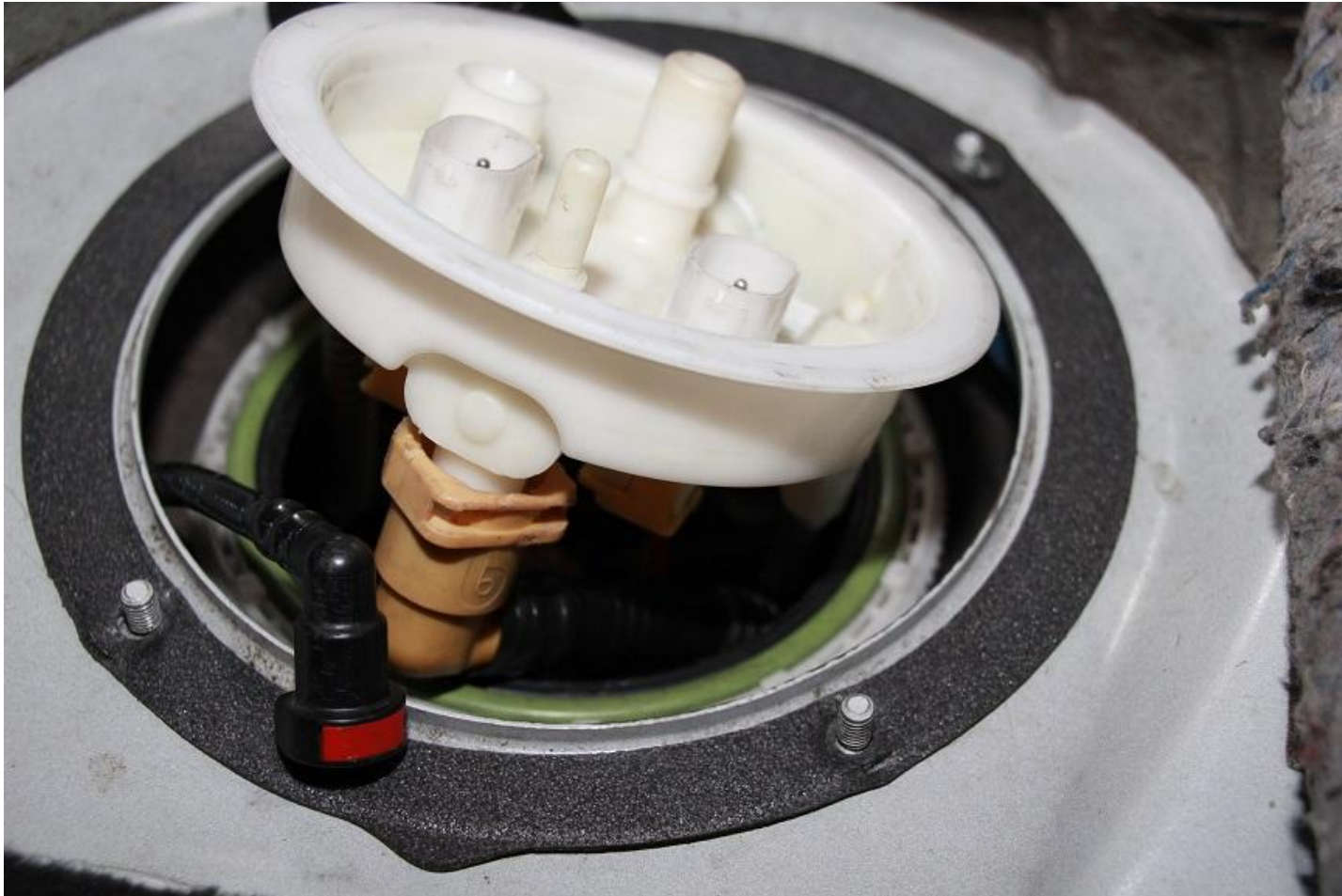


Lower the top hat in place



Lower top hat on to the bucket, verify top hat arms are in the bucket guides

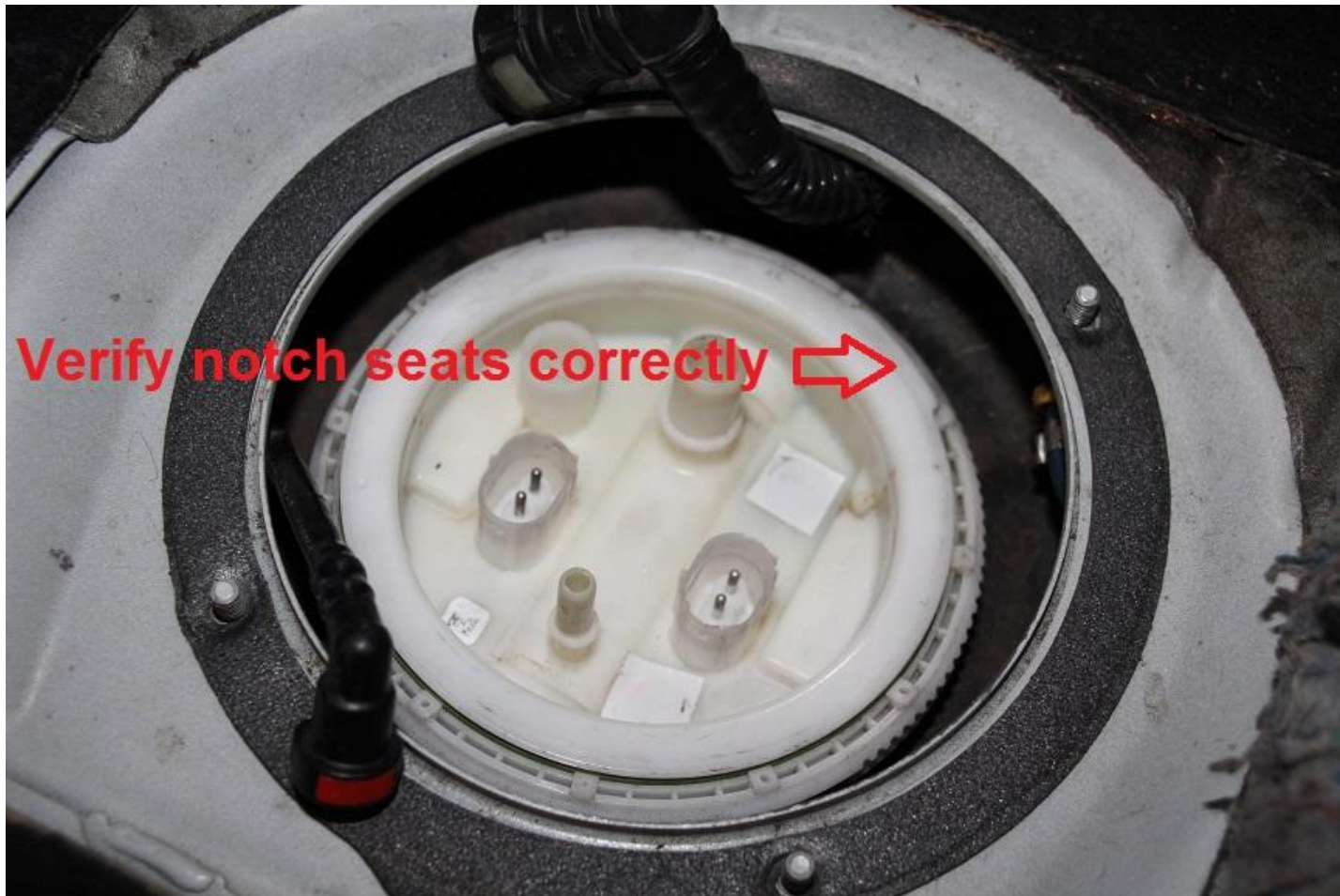
Connect the vent hose



Insert the vent hose retention clip



Seat the top hat and verify it is oriented correctly



Install and tighten the ring



Install the top hat connections



Install the access cover, replace the seat, reconnect the battery, and cycle power to the ignition a couple times to prime the fuel system.

Thanks!