

## 1961 Corvette Gas Tank Removal and Installation My way...

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[Link to CF Thread](#)

Moving this Hose/Radiator Shroud Post to a Gas Tank Removal  
WHATEVER! Battery Disconnected.....

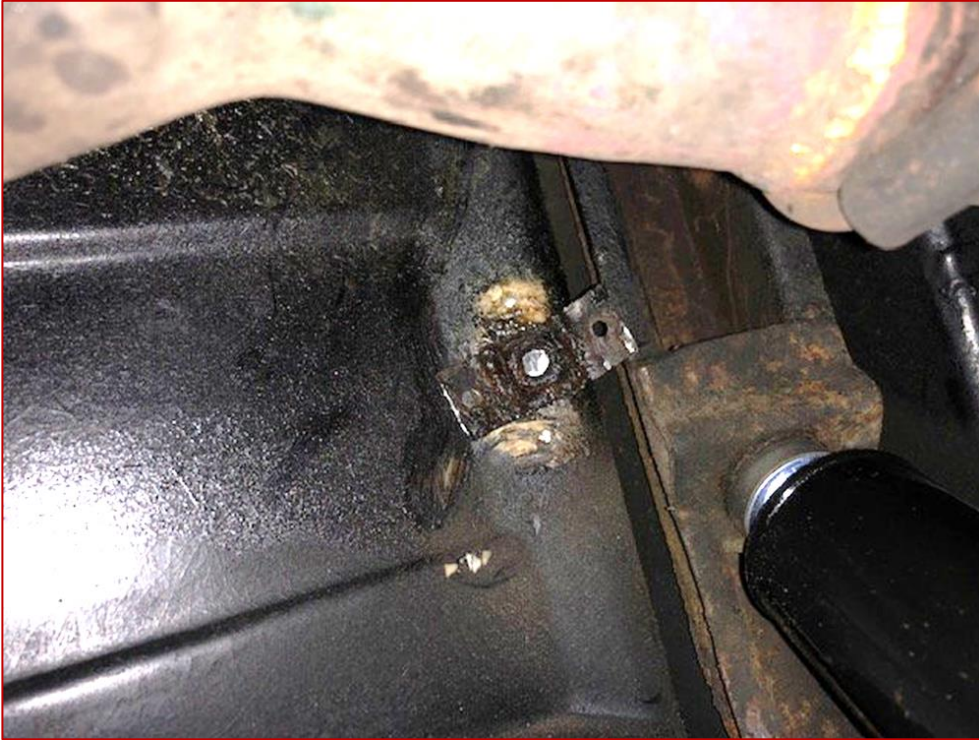


Step 1) It's under there!!!!Cover Screws off



Step 2) One Strap bolt (Left) is out. Other Strap bolt (Right) not so much out. Spun the underside nut plate trying to loosen the bolt. I'll sacrifice the nut plate if I can't remove it. Late 60/Early 61 fuel sender unit will be replaced.





3) Tank-Strap Nut Plate underside broke loose after 57 years untouched....I think!!



4) 2 Guys needed to lube, grab and loosen/tighten the rusted strap bolt. My plan is to clean, epoxy or drill out and screw a replacement underside nut plate retainer back in place later on...





5) Tank is out and in fairly good condition...except for the 1/8" drill bit submerged at the bottom of it. After disconnecting all the electric stuff, sender, vent and fill hoses. I then used a crowbar to work the left side back of the tank forward and up...then the right side back forward and up with the flange clearing the back tank opening. then up and out....



6) With the tank removed, signs of a pinion gear seal leak that was one of the first things I fixed 2 years ago was a mess to clean up..... You can also see the rivets that are in place to fasten the nut plate that I tore off trying to remove the right side tank hold down strap bolt....Knowing how I got the old tank out, I'm hopeful that I will be able to work the new tank back in in a similar manner.





7) Tanks side by side....measurements are really close....so is the fitment. I can only guess at this point.



8) While I'm waiting for parts I glued in the anti-squeak pads....I sure don't want the pads wondering around while I'm muscling the new Tank into place.....



9) I don't think this is the Original Sender unit. Still works but replacing anyway....I don't want to come back here!



10) Using the original tank straps, reshaped and painted left the bent areas alone!!! Also checked the Strap grab plates under the tank compartment....Making certain they were not rusted away....All good!





11) Tank Strap Anchor nut repaired



12) Tank Straps ready...Hope I have enough hands. Refasten all the screw nuts that were actually in pretty good shape.





13) Prep tank cover with 3M sealing strips (Dum Dum). Just waiting for a little help to simply lay the new tank in its place..... Yeah right! Crowbar is ready!!!!



14) New tank in...Did everything but stand on it..... Strap forward terminations are important. Double check your under-car front tank strap channels. That is where the, just behind the seat, strap terminations are. When inserting the tank make certain the front ends of the straps stay where they are supposed to. Otherwise plan on spending some extra time under the car re-positioning them while the tank is wedged in. Don't ask me how I know>>>>>>>>





15) Tank Strap semi secured. It's a good time to put the crowbar in at the rear of the tank on both ends and snug it forward or a little left or right. If your Corvette is an L-60 E-61 1961 you will have a compression fitting connection to your sender. This is when attention needs to be given to the proper left or right position of the tank. Once again, don't ask me how I know.....



16) Vent hose, Fill hose and Sender unit tightened. Oh, prior to putting the tank in...make sure to tighten the clamp on the outboard side of the rubber fill hose. not to worry about the inboard clamp. That can be clamped and tightened after the tank is in. Remember, the battery is still disconnected. After a final check to made sure you didn't forget to connect something and cleaning up after all the s--- you have left around, under and on the car.....Start your Vette.....reach back and check for leaks at the sender fuel line connection, then everywhere else. HOPE THE TANK COVER FITS!!!! Oh! don't forget to ground the tank..... there is plenty of flange space on the right rear (Passenger) end of the tank for a ground wire to be attached.

Last edited by dcamick; 01-30-2019 at 12:28 PM.