

Chapter 9 (Maintenance Series) – Eliminating Fuel Smell



1. I have had a fuel smell in my VW for a good while and a couple weeks ago ClassicVWBugs.com did a video on fixing this problem.



2. I had previously replaced the gasket for the Fuel Sending Unit, but I could see no real change.



3. But to be on the safe side I did tighten it again. I am beginning to think that perhaps I have over tightened it.



4. Other possible leaks could be in the engine compartment but I cannot find a leak in this area.



5. So I did as the video suggested, I ordered all the parts to the fuel filler tube from Wolfsburg West. Yes they were expensive but when they came, they appeared to be good quality parts.



6. After the parts lay on my workbench a few days I decided to get started.



7. I purchased 10 feet of 5mm fuel line from my local VW Parts Store.



8. Likewise 10 feet of 1/4" clear vent line was purchased from Lowes.



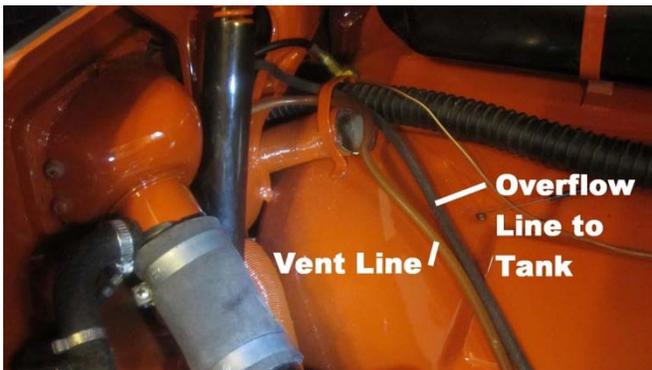
9. The new crankcase vent line shown was not used for this project.



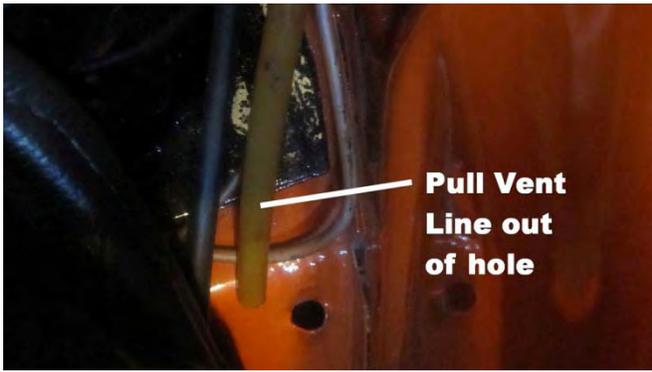
10. The first thing I did was install the new gas cap.



11. Then I took a picture or two of the vent lines routing so I could replace them the same way I had put them in the last time they were removed. Yes, I know I should have put in new line when I was restoring the car but they looked good to me and still do. I just need to eliminate the fuel smell so I thought I would replace everything per the video.



12. Vent line and Overflow line shown.



13. Next I pulled the vent line out of the hole near the spare tire.



14. Then I disconnected the filler hose and removed it.



15. Then I disconnected the Vent Hose Assembly and removed it.



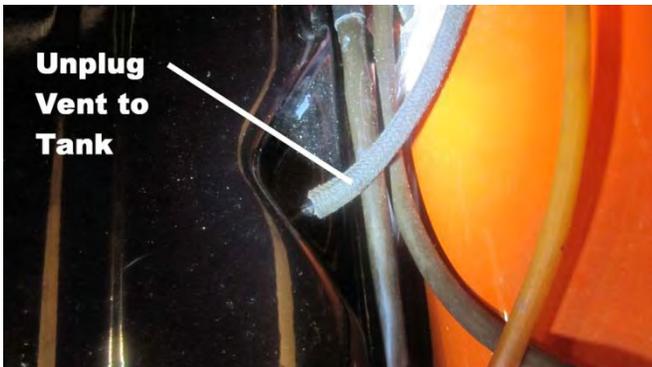
16. Vent hose now shown disconnected.



17. Then the small vent lines were disconnected from the plastic "T"



18. At this point I decided to temporarily plug the fuel filler hose to the tank since the smell was strong.



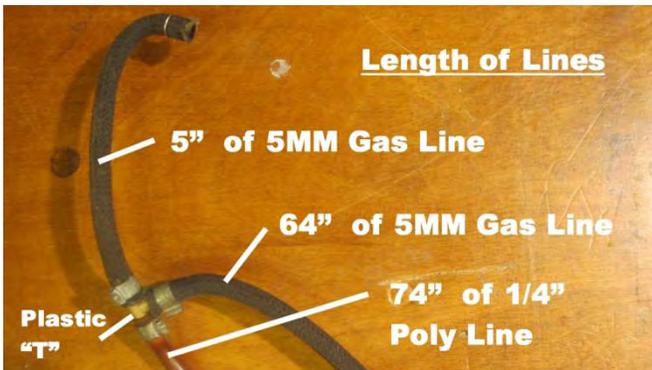
19. I then unplugged the Vent Line to the tank.



20. Vent Line shown unplugged.



21. I then pulled the small lines complete out of the car. Noticing the route of each line.



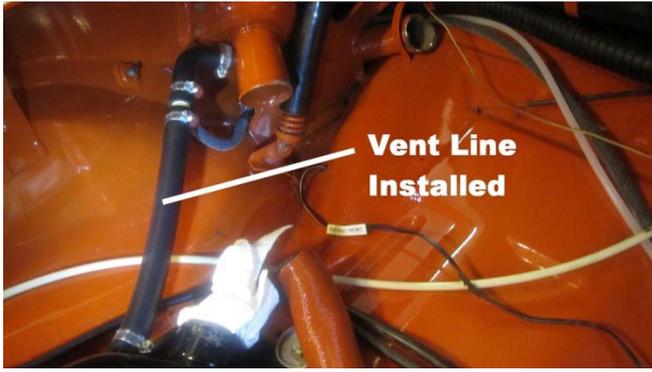
22. I measured the length of the old lines as noted.



23. I built up a new set of lines but I made the two long lines about 6 inches longer so I could cut them to exact length later. I replace the plastic T with a metal T from an old fish tank air lines.



24. I built up a new vent line assembly as shown.



25. The vent line assembly is shown installed.



26. The two long vent line was then routed per the routes they were removed.



27. With the vent line in place I cut the line to exact length required.



28. Then the vent line was connected to the tank.



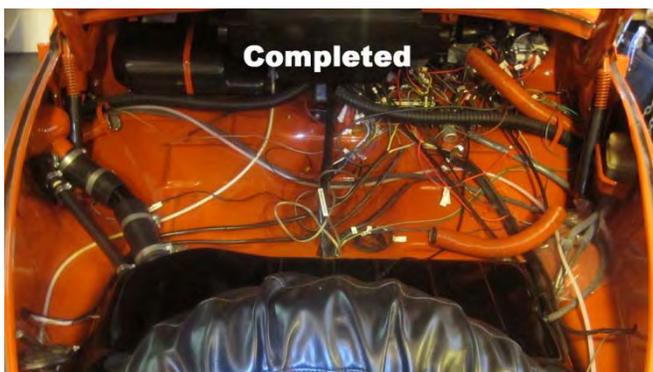
29. I placed the filler line rubber bands out in the sun to soften them up somewhat.



30. I cleaned off the metal filler tube and installed the Rubber Bands on each end as shown.



31. Then the Filler Tubes was installed as shown.



32. All that was left was to clean up and put the items back in the trunk and hope that this eliminated the fuel smell.

Cost \$115

Time Approximately 3 Hours