

6L80 Transmission TCM Removal

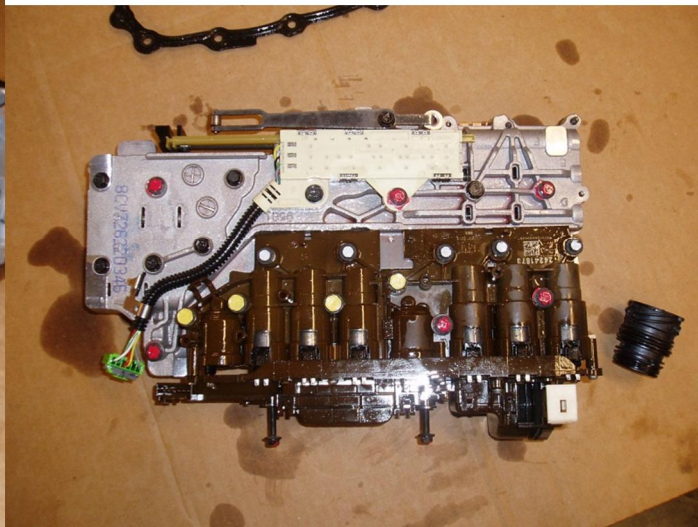
Remember to be gentle you should not have to force anything....

1- Drain Oil To do this you need to remove the Pan or Suck out the fluid since there is no drain Plug There are 18- 10 MM headed bolts to remove, save the gasket, its reusable.



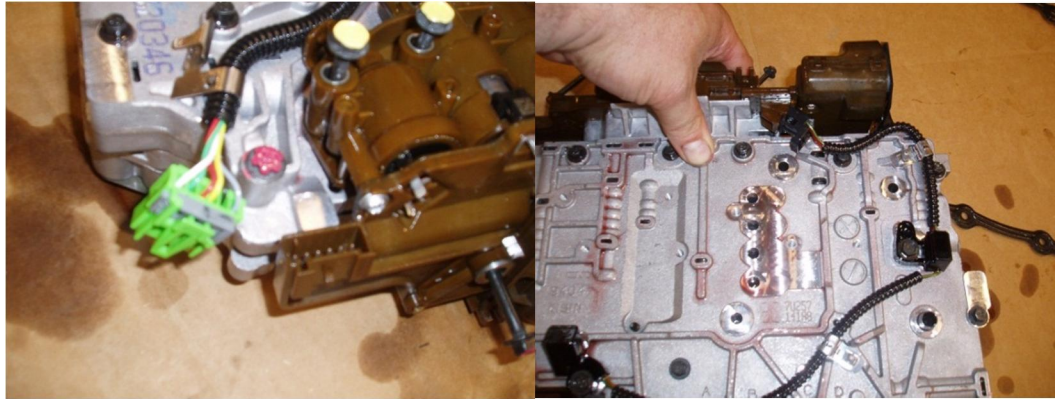
2- Gently remove the Transmission Filter, it's just a friction fit, so giggle it a little. The Pan holds it in place.

3- To remove the main electrical Plug that goes through the casting, Pull Down gently (this is while the valve body is still ion the vehicle) on the white plastic tab located on the passenger side rear. This Holds the 2 piece connector together through the Cast housing, and then remove the outer portion. Picture Below Left

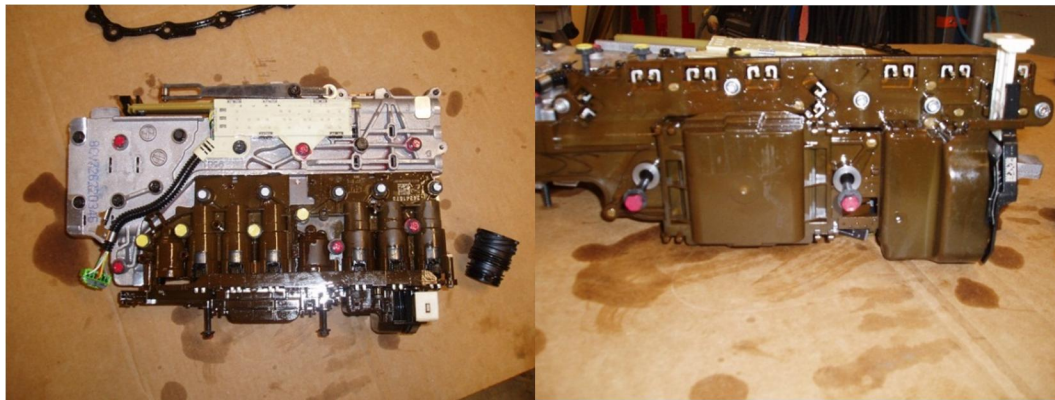


4- Remove the 6 Bolts holding the Valve Body and TCM into the transmission (noted in red on the picture. 4 through the Valve body and 2 trough the TCM and Valve body. These require a E12 (hex looking) Socket. At this Point the Valve Body and TCM will Fall out if your not holding it. (Above right)

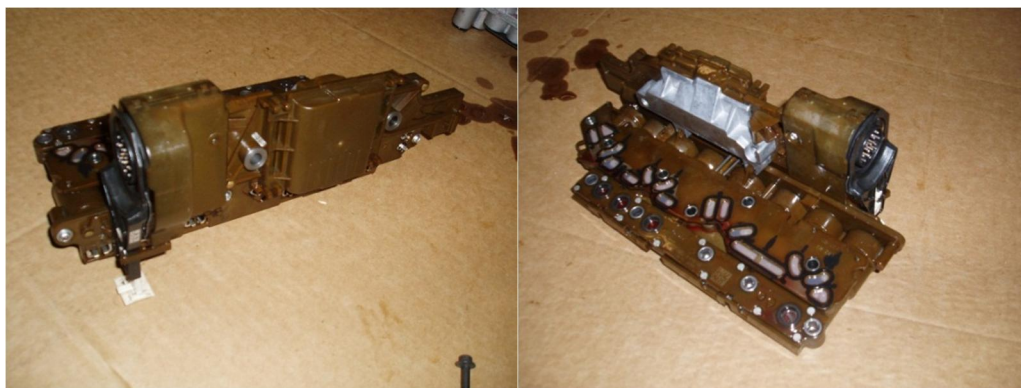
5- you can now disconnect the Green connector on the bottom at the front and the Black connector on the top at the back



6- Now you can remove the 5-7mm headed bolts (noted in White), the 4- 10mm headed bolts (noted in Yellow) and the 2-8mm headed(noted in Red) bolts on the side. The TCM can now be removed. From what I can see it is these 2 side bolts that prevent you from removing the TCM without removing the valve body.



7- TCM From 6L80



You cannot remove the TCM without removing the valve Body due to the 2 bolts on the side, the removal is a lot more basic that I ever guessed. After figuring out a few minor points shown in this guide...

Re-installation is the reverse of the removal with the exception of the white plastic tab for the electrical connector. re install the outside portion of the electrical connector, Line it up and push it in, there are a couple line up tabs. Push it in firmly, the white plastic tab will not push up until the outer connector is properly in place. Do not force the white connector, it does not move without the outer portion of the plug properly installed!!! Also do not forget to plug in the 2 connectors to the valve body.