

Transmission Service

Here is the clutch and variator cover



First off, take out all of the screws with an allen wrench



This is what you get after taking of the cover. On the left is the variator and on the right is the clutch.



Unscrew the clutch nut with an impact gun, or an oil filter chain or a strap wrench (you can find these all hardware or auto stores). A strap wrench is shown in the picture. You won't need this with an impact wrench.



The clutch shoes are on the left and the clutch bell is on the right



Pull off the whole clutch unit and you should see the transmission cover



The transmission is under this cover



Now you'll need to drain the transmission oil and unbolt the cover



Don't forget to put a pan underneath so that the transmission oil doesn't go on the floor and make a mess like I just did



Open the transmission cover and this is what you'll get. You can clean up the oil with a rag. You may need to replace the gasket.



To take the clutch completely out you'll need to remove your rear wheel. In the red circle is the transmission shaft.



Take out all of the parts from inside, and note where they go



You can remove the gear using a rubber mallet. The lower gear is not being held tightly in the vise - it is free to move.



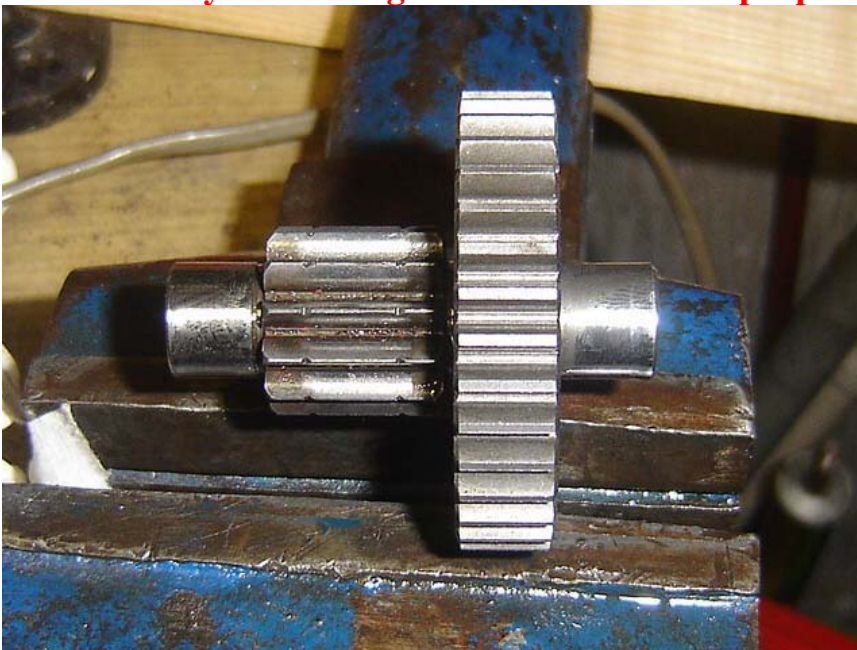
This is what you should get when the shaft is removed



Now you have to install your new transmission gear. It will probably require gentle tapping to install.



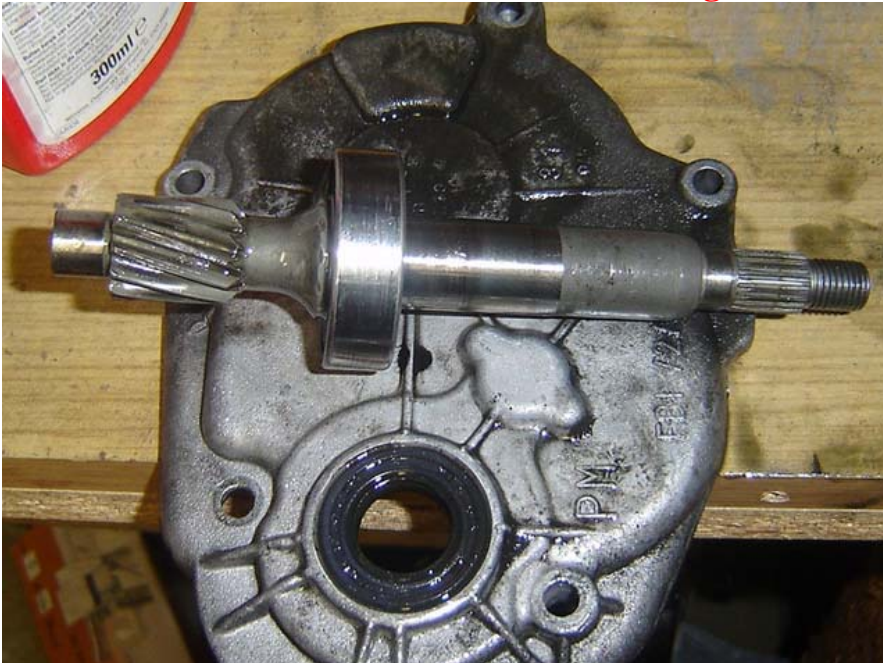
This is what you should get when it's installed properly



Now take the big shaft and slide in through the bearing



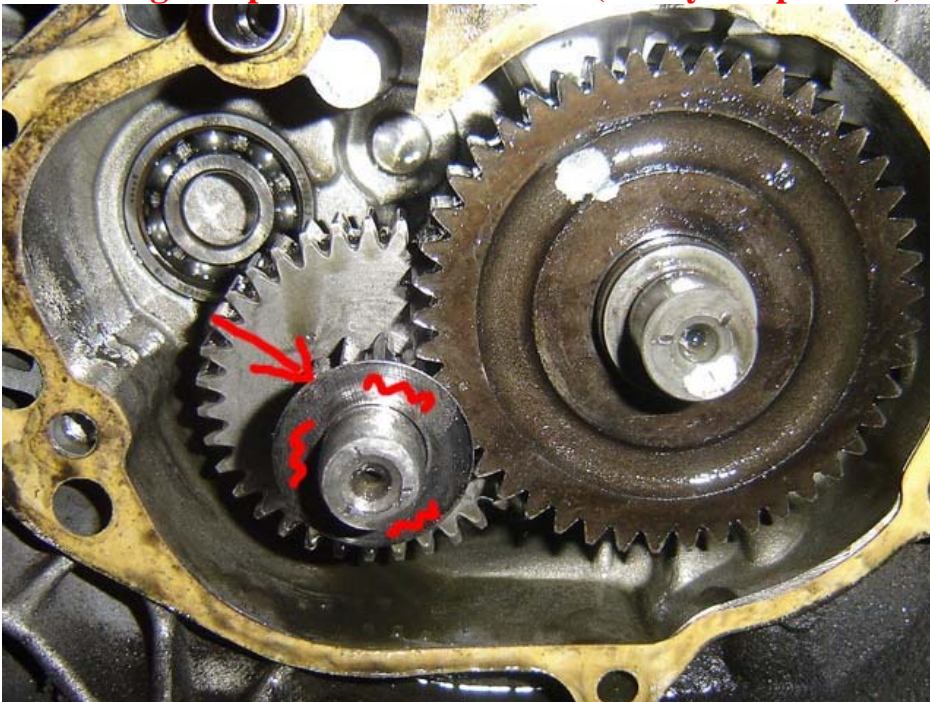
You need to take out the bolt that's in the big shaft. I used a rubber hammer.



Now put back together the whole transmission just like in the picture



Don't forget to put in the little shims (if they are present)



Bolt on the transmission cover and install the clutch (torque the clutch nut)



Don't forget to put transmission oil back in and then you're DONE!!!!!!!



