

# 2005 XC90 Transmission Flush (5-cyl)

First off - let me say that I am an amateur (at best) mechanic, and I claim no responsibility for whatever you do to your car. This is simply what I did and hope that it will help you if you are new to the repairs.

## You will need the following:

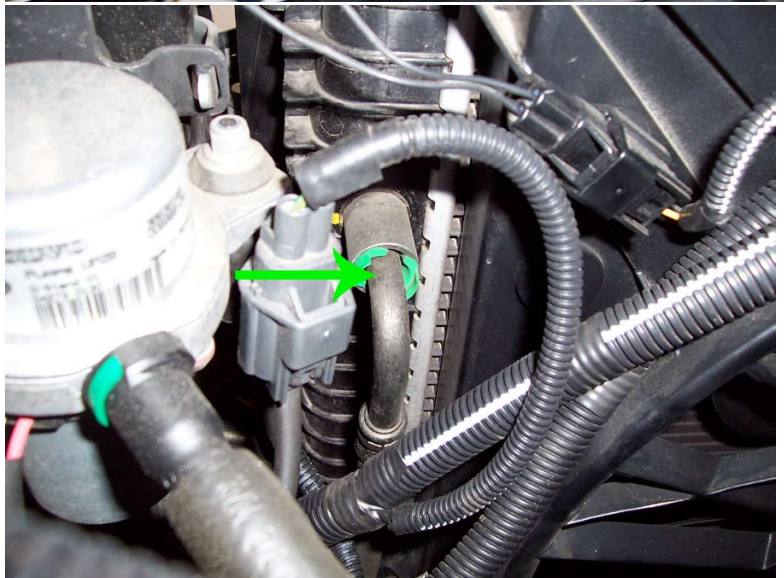
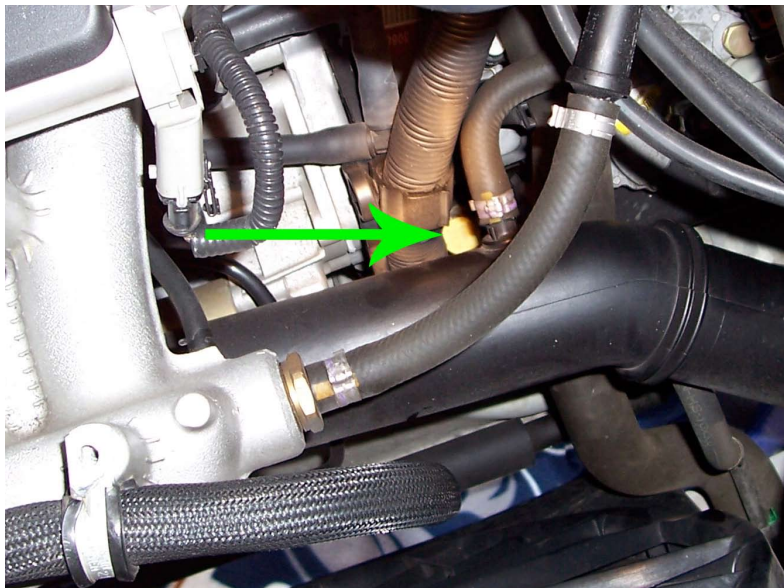
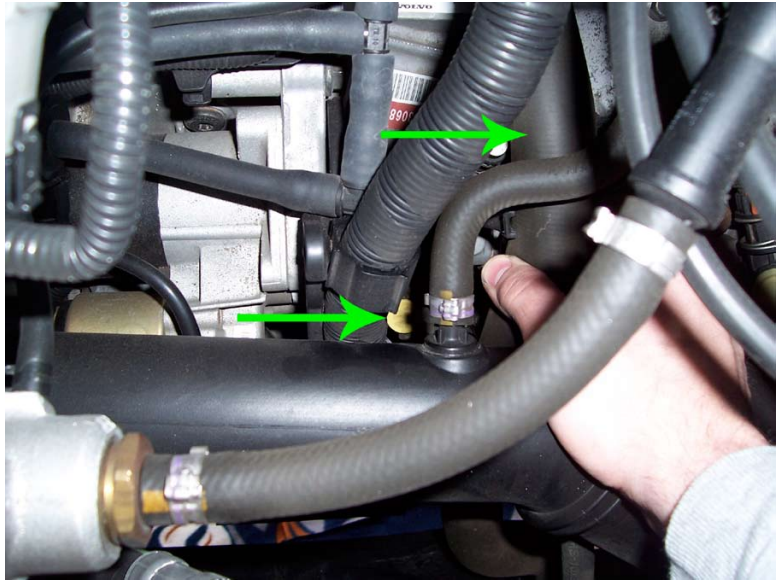
- 12 quarts of the correct transmission oil (some may want 14 qts.)
- 3-4 gallon jugs pre-marked in 1 or 2 quart increments
- A long neck flexible funnel, got mine at autozone for about \$2.50
- A length of clear plastic tubing with a 3/4 inch outside diameter, got mine at Home Depot in a 10 ft length, pre-packaged for under \$8.

1 - Locate the transmission dipstick, this is a pain until you find it the first time. See the first picture, the top arrow is the hose you need to pull to the right and out of its bracket to see the dipstick. The bottom arrow is the dipstick.

2 - Remove dipstick. There is a little clip on the front site of the tube. Pull it towards the front and the dipstick will pop out easily. The second photo is a close up of the dipstick (YES IT DOES EXIST)

3 - Place the long neck funnel on the dipstick

4 - Remove the top transmission line connector. To do this locate the green plastic connector clamp, grab the hose and turn side to side (as if it were a ratchet handle).



5 - place one end of the 3/4" OD hose into the now exposed transmission return line. Mine fit very well as is, but some have suggested using some silicone tape to make a secure seal.



6 - Put the other end of the hose into pre-marked gallon jug. I put mine inside the bucket incase it spilled (which it did) and to make sure the jug wouldn't tip over.

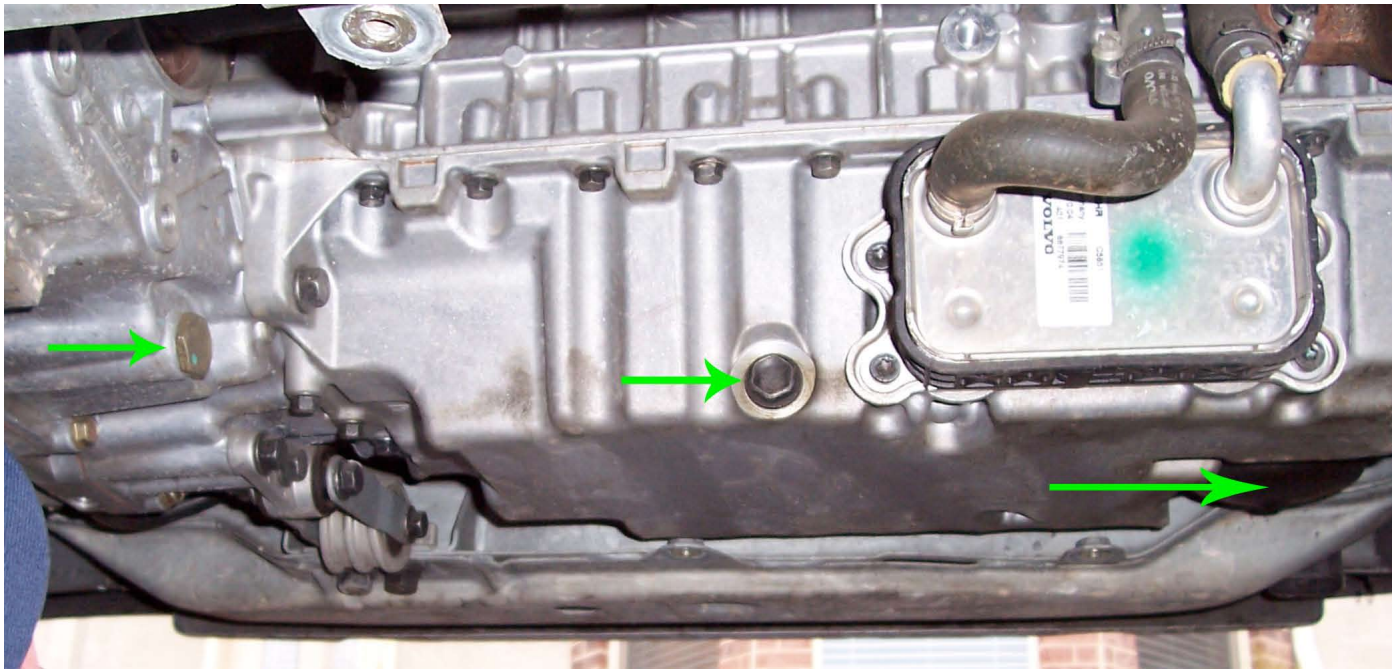


7 - Start the car and with the help of a friend pump out 2 quarts of oil at a time. I noticed that the XC90 pumped out slower than my 850 when I did that one.



8 - After you have pumped out 2 quarts, turn the car off and refill 2 quarts. It doesn't matter so much that you pump out EXACTLY 2 quarts, you can be +/- on that, just so long as you end up with 12 out and 12 in. Be sure to factor in the oil that will be in the tube, not too much but be aware of it.





### **A few notes:**

Some people prefer to drain the transmission oil first and start with that. If you do the arrow to the left is the one you want to remove to drain the transmission oil pan

Mine took about 8 quarts to start coming out cleaner and was fully clean between 10-11 quarts. I have heard of some people needing 14 to achieve clean oil. Make sure you are prepared with both the correct amount of oil AND the jugs to contain it.