

## fUbAr Guide: Changing the engine oil and oil filter

*The method described below worked for me. I am not saying it is the only method to complete the task. I will not accept any responsibility for damage caused to the vehicle as a result of following my guide.*

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This guide will explain how to replace your engine oil, and the oil filter.

It was written for a Clio 172/182 but the method will be the same for other models, the only difference being the location of the oil filter.

### ::NOTE::

The RenaultSport models require the recommended 5w40 fully synthetic motor oil. Here I have used Elf Excellium 5w40, however any other brand will be fine.

Before you perform the oil change, please make sure you have the following items:

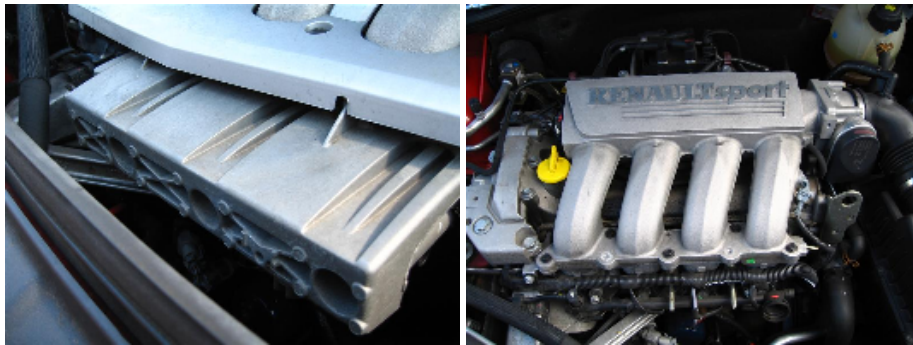
- 5 litres of 5w40 fully synthetic motor oil
- Oil filter (part no: R82 00 033 408)
- Sump plug washer (part no: R82 00 641 648)
- Sealable 5l empty container
- 8mm square sump plug removal tool
- Oil filter removal tool

### - STEP ONE -

It's a good idea to run your engine for a few minutes before changing the oil, as this will warm the oil slightly making it much easier to drain later on.

Start off by popping open the bonnet, and removing the engine cover if you have one fitted. With this removed you will be able to remove the Fuel Rail Guard from the front of the engine. For this you will need a 10mm deep socket to remove the 2 nuts which are in the first and second holes on the guard. Be very careful not to let them fall into the engine when removing the guard.

This step will allow easy access to the oil filter later on.



### - STEP TWO -

Jack the front of the car up on both sides and support it using axel stands. Under the engine you will see a sump guard; a black plastic tray which is held on by 4 bolts. You don't have to remove this guard, as there is a small screw off panel allowing access to the sump plug, however I find it easier to fully remove the guard so it doesn't get in the way. Once the sump guard is removed, you will be able to see the sump plug.



### - STEP THREE -

Now you need to get the empty 5litre container which will store the used oil. Grab the 8mm square sump plug tool and a ratchet, and begin to remove the sump plug from under the car. Be careful when getting to the end of the thread as the oil WILL start to come out fast. Position the container so that the oil is collected in it. Keep the sump plug safe, but you can throw away the washer as you will need a new one to fit back on after.



### - STEP FOUR -

While the oil is draining, you can remove the oil filter from under the bonnet. Put an old rag under the filter before removing it to catch any oil, as the filter holds 100ml so it will leak some when unscrewed. Use your oil filter removal tool to clamp the filter and twist it off anti-clockwise. The last part will need to be done by hand as it's a long thread.

Remove the oil filter and throw it away. Clean up the area around the filter and remove the old rag you put there earlier.

Now you need to fit the new oil filter. I always use a marker pen to write the date on the filter, so that it's easy to know when it needs changing at a later date. Use your finger to smear a small amount of the new oil around the seal of the filter. This ensures a tight seal. Screw on the new filter by hand until it stops, then give it a further 3/4 of a turn to make the seal.



### - STEP FIVE -

Wait for all of the oil to drain from the sump. This will take some time, but once it's done you can proceed to fit the sump plug back in place with its new washer. Use the 8mm square sump plug tool to tighten fully. With some degreaser, clean the area around the sump plug so that it's free from oil.

::NOTE::

Make sure you use a new washer on the sump plug.

They cost less than £1.00 from Renault, part number at the top of the page.



### **- STEP SIX -**

Now you need to refill the engine with your new oil. It will need 5 litres of fully synthetic 5w40 motor oil. Unscrew the oil filler cap from under the bonnet, and using a funnel begin to refill the engine with the oil. Use the whole of the 5litre container and refit the oil filler cap. Run the engine for a few minutes to let the oil settle and check the oil level using the dipstick. Anywhere between the 2 notches is fine.



### **- STEP SEVEN -**

Now just refit the sump guard under the car, making sure all the flaps are pushed in. Secure it using the 4 bolts. Remove the axel stands and lower the car, then go for a short drive. When the engine has cooled down, recheck the oil level and top up as required. That's it, you're all done!

You can dispose of the oil at any local tip.