

What will I need to...  
Relpace the oil & oil filter

- A quality branded oil and oil filter
- Suitable spanners for the sump plug
- An oil filter removing tool (Chain type, strap type or metal band)
- A sumpy to catch the old oil
  - A funnel
- Hand cleaner
- Mutton cloth

# Hints & Tips

## REPLACING THE OIL AND OIL FILTERS



THESE QUALITY PRODUCTS ARE AVAILABLE FROM YOUR NEAREST AUTOZONE AND AUTOZONE HYPER STORES.

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### REPLACING THE OIL & OIL FILTER



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Website: [www.autozone.co.za](http://www.autozone.co.za)

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FOR MORE HINTS AND TIPS, COLLECT THE AUTOZONE HINTS AND TIPS BOOKLET RANGE FROM YOUR NEAREST AUTOZONE.

# Replacing the Oil and Oil Filter



Exclusive Brands only available at AutoZone

The oil in your vehicle serves a dual purpose, to lubricate and to cool the rotating and sliding components of the engine during normal operation.

## Good quality oil should have the following characteristics:

- Your oil should be formulated from selected oils and additives to minimize the formation of lacquer, varnish, sludge and other harmful engine deposits.
- A good oxidation resistance prevents degradation and the aging of oil caused by high operating temperatures in the engine.
- Dispersant properties ensure that deposits are maintained in suspension, while anti-wear properties ensure a long life for all moving components.

## There are two types of oil grade:

- 20W50 Oil – Multi Grade Oil  
Multi Grade Oils operate at temperatures from 0 to 50 degrees Celsius. The 20 in the name indicates the start up temperature at which the oil viscosity is low enough to allow for easy engine start up. The W is taken from the word Winter. The 50 indicates normal operating temperature for the oil.
- SAE30 or SAE 40 Oil – Mono Grade Oil  
SAE stands for the Society of Automotive Engineers, who define the viscosity limits for oils and the relevant methods of measurement using the laboratory SAE J-300 specification. The choice of SAE grade oil largely depends on climate, service severity and engine design.

## Replacing the Oil and Oil Filter:

- STEP 1:** Place your “sumpy” directly under the engine sump plug. Start the engine, ensuring that the handbrake is securely pulled up and the car immobile.
- STEP 2:** Allow the engine to reach normal operating temperature, then switch the car off. Ensure that the engine is not running, and that the keys are removed from the ignition! Remove the sump plug and drain the oil from the engine.
- STEP 3:** Ensure that the new oil filter corresponds correctly with the old oil filter currently in the vehicle prior to removing the old filter. Use an oil filter removing tool and remove the old filter. Ensure that the sealing ring for the oil filter is removed together with the old filter.

- STEP 4:** Ensure that the oil filter mating surface on the engine is clean and free of debris.
- STEP 5:** Smear a small amount of oil on the corresponding oil filter rubber sealing ring. This will assist with the sealing of the new filter onto the engine block.
- STEP 6:** Tighten the new oil filter until it is “hand tight” – no tools are required.
- STEP 7:** When the oil is completely drained from the engine sump, replace the sump plug. Ensure that no damage has occurred to the copper washer and / or seal on the sump plug. Should the copper washer or seal be damaged, replace it with a new washer or seal before adding the new engine oil.
- STEP 8:** Pour the correct amount of oil required into your engine. **DO NOT OVERFILL.** Start the engine and allow the engine to run for a few seconds. When the oil light goes off switch the engine off. Allow the oil to settle for a few seconds, then check the engine oil level using the dipstick. Top up the oil if required, but never fill the oil over the full mark indicator on the dipstick.
- STEP 9:** Check for any oil leaks on the sump plug and oil filter.

## USEFUL TIP 1:

Changing the engine oil and filter at regular service intervals and using the correct grade of oil is the best way to extend the life of your vehicle’s engine. If your engine is exposed to extreme operating conditions, it is advisable to change the oil and oil filter more frequently.

## USEFUL TIP 2:

Never overfill the engine with oil. This could result in the engine smoking and misfiring.

## USEFUL TIP 3:

Dispose of old oil and the oil filter in a responsible manner.