

Techo Tips - How to Replace a Spin-on Oil Filter

Step one - get prepared:

- Make sure you have the correct tools for the filter you are changing, a drain pan and the replacement oil on hand
- Thoroughly read the instructions located either on the filter or in the box
- Ensure the filter part number is correct for the motor/model you are fitting it to.

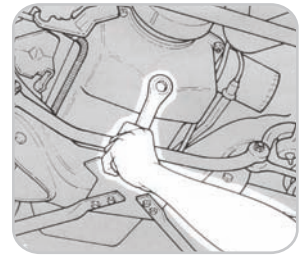


Fig 1

Step two - drain the oil:

- Remove the oil filler cap and access the oil drain plug by safely raising the vehicle using properly approved equipment. Place the drain pan under the sump
- Remove the oil drain plug. When the oil is totally drained check that the drain plug gasket is intact and **refit the drain plug** (Fig 1).

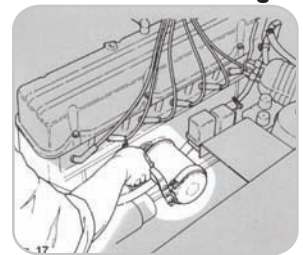


Fig 2

Step three - replace the filter:

- Remove the oil filter. Clean the filter housing on the vehicle. If necessary remove any of the old gasket that is stuck to either the housing or the spigot on the threaded nipple (Figs 2 & 3)
- Apply a light film of clean engine oil to new filter gasket and screw on filter. Ensure the alignment to the mounting is correct to avoid cross threading (Fig 4)
- When the gasket contacts the mounting pad on the housing, tighten the filter as recommended on either the filter or on/with the filter box (Fig 5).

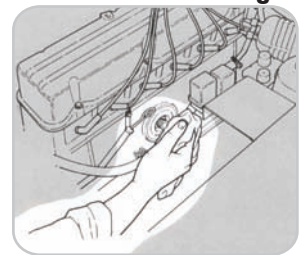


Fig 3



Fig 4

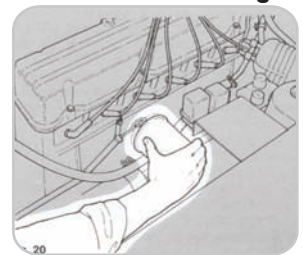


Fig 5

NOTE: on some engines it may be possible or even necessary to fill/prime the filter with new oil before installation (particularly with turbo charged motors). If unsure check the engine manufacturers recommendations.

Step four - replace the oil:

- Ensure the engine is level and fill the crankcase with new oil to the dipstick "full" mark or to engine manufacturer's specifications (Fig 6)
- Replace the filler cap, start the engine and idle until the oil pressure light goes out or the pressure gauge reads normal*. Turn off the engine and re-check the oil level on the dip-stick. Top up if required. Re-start the engine and check thoroughly for any oil leaks°
- Retighten the oil filter as required.

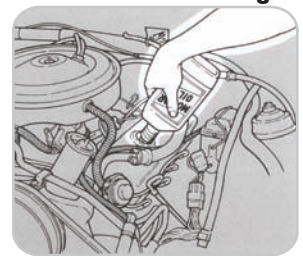


Fig 6

***NOTE:** If the oil pressure light stays on or there is no oil pressure registering on the gauge, do not run the engine for more than 20 seconds. See advice on oil pump priming (refer page 794).

°NOTE: Some mechanics recommend driving a short distance (1 - 2kms) to further check for leaks.

DISPOSE OF WASTE OIL AND FILTER AS REQUIRED BY LOCAL REGULATIONS