

INSTALLATION INSTRUCTIONS

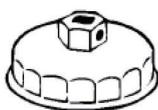
FOR AUTOMOTIVE

SPIN-ON FILTERS

The spin-on filter is replaced more often than any other part on your vehicle. To ensure normal oil filter service life and prevent oil leakage or possible internal engine damage, the following procedure should be followed when replacing spin-on filters.

1. Open the hood, remove the oil fill cap and place cap on a flat visible surface. (This will serve as a reminder that the oil has not been added to the crankcase).
2. Raise the vehicle and remove the oil drain plug(s), drain the oil and replace the drain plug(s). If drain plug(s) has a crush ring or gasket, check it for serviceability. If unserviceable, replace the ring or gasket.
3. Remove the oil filter using an oil wrenh if necessary.
4. Clean mounting base, making sure the old filter gasket is not stuck to the base. Apply a light film of clean oil to the new filter gasket. **NOTE:** Never use grease to lubricate the gasket.
5. Screw the new filter on carefully, avoiding cross-threading. On turbocharged engines, it may be necessary to fill the filter with clean engine oil prior to installation. Check engine manufacturer's recommendations. After the sealing gasket contacts the mounting base, tighten the filter per the instructions found on the filter or the box. **DO NOT OVER TIGHTEN.**
6. Lower the vehicle and fill the crankcase to the recommended level with oil as per the manufacturer's specifications. Install the oil fill cap. Start the engine and ensure that the engine oil pressure light goes out or the oil pressure comes up normal on the oil pressure gauge.
7. Turn off the engine and check the dipstick reading. Add additional oil if needed.
8. Start engine, raise the vehicle and check for oil leakage around the oil filter and drain plug.
9. Lower the vehicle, turn off the engine and close the hood.
10. Check local, state and federal regulations for the proper disposal method of your used oil and oil filters.

TYPICAL WRENCH
STYLES USED
FOR
FILTER REMOVAL
OR
INSTALLATION



DISCLAIMER:

Refer to the Valvoline filter warranty, disclaimer and terms of use found at valvolinefilters.com.au prior to installing and using Valvoline filters. These instructions are intended to be a guide only. Always refer to manufacturer recommendations and specifications prior to installing filters. Always ensure filters are installed correctly prior to using a vehicle.