

## >> How to replace the engine oil & filter on your smart fortwo

### > Draining Engine Oil

NOTE: If the drain pan does not fit under the engine or if you cannot reach the oil drain screw and filter, raise the vehicle. Use the proper equipment to ensure that the vehicle is secured.

1. Pull up rear carpet and remove engine cover (item 1).
2. Remove oil drain screw (item 6) and remove seal ring on the oil drain screw. Collect engine oil in a suitable container.
3. Remove filter screen (item 7) on the oil drain screw (item 6) and clean it.
4. Unscrew oil filter (item 5). Collect engine oil in a suitable container.

### > Figure A – Rear Trunk Area



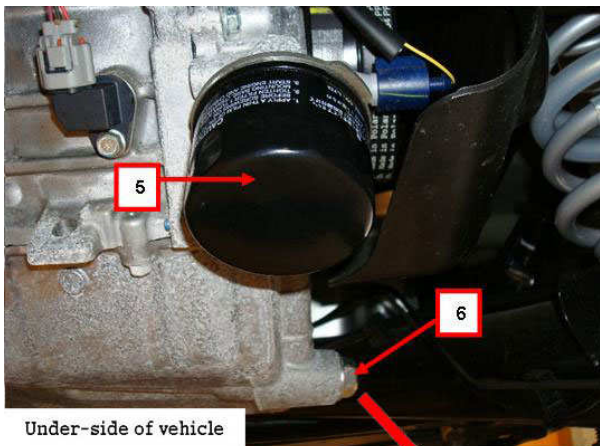
Item	Description
1	Engine Compartment Cover
2	Quick-Release Coupling



## > Replace the Oil Filter

1. Wet the sealing ring of the oil filter (item 5) with new, clean engine oil.
2. Tighten new oil filter to the engine as specified on oil filter.
3. Position new seal ring on the oil drain screw.
4. Lower vehicle.
5. Pour specified amount of approved engine oil into oil filler neck (item 4).
6. Tighten oil filler neck cap.
7. Conduct engine test run and check engine for leaks while it is running.
8. Check engine oil level using the oil dipstick (item 3).
9. Install engine compartment cover (item 1).

## > Figure B – Engine



Item	Description
3	Oil Dip Stick
4	Oil Filler Neck
5	Oil Filter
6	Oil Drain Screw
7	Filter Screen

## >> Additional Information

APPROVED ENGINE OIL – MUST MEET SPECIFICATION MB 229.5

Mobil 1 Formula M 5W-40

Mobil 1 0W-40

Labco MB 229.5 5W-30

Total Quartz 229.5 5W-30

Elf Excellium 0W-30

Shell Helix Ultra AB 5W-30

TORQUE SPECIFICATIONS –

Oil drain screw to oil pan 48 ft/lb

Oil filter to timing case cover 10 ft/lb

- The oil filter and engine oil should be replaced every 1 year or 10,000 miles – whichever comes first.
- The smart fortwo takes 3.7 quarts of engine oil.
- Use only smart approved engine oil for your vehicle and do not overfill.
- Extending the service period of the engine oil and filter beyond 1 year or 10,000 miles can cause damage to the vehicle and shorten the life of the engine.
- Never drive your vehicle without the proper amount of engine oil or with the oil filter removed, this can cause engine damage.
- Genuine smart parts will maximize your vehicle's performance.
- For further assistance contact your nearest smart center.
- Find a dealer near you by going to [www.smartusa.com](http://www.smartusa.com)

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