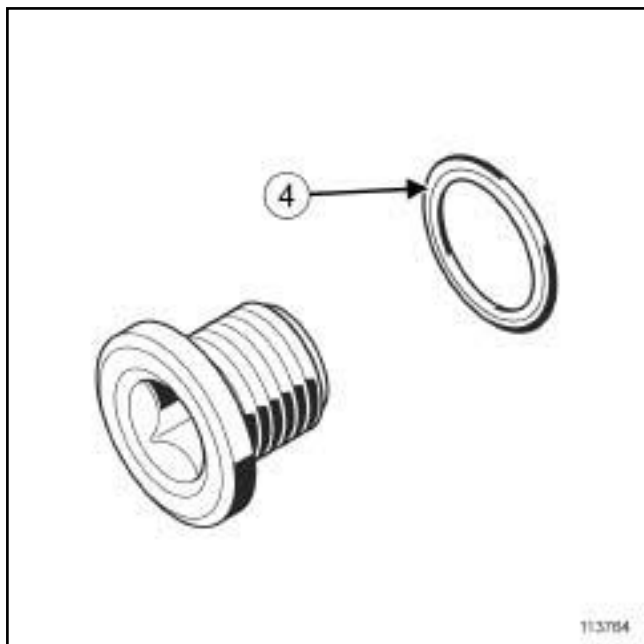


Engine oil: Draining - Refilling

F4R



113764

- ☐ Fit the new drain plug seal (position the seal groove (4) facing the drain plug).
- ☐ Torque tighten the **drain plug (20 N.m)** using a **oil change end piece with an 8 mm square drive**.
- ☐ Clean the traces of oil around the drain plug so that any possible leaks can be detected.

II - FILLING

☐**WARNING**

Always check the oil level using the dipstick.

Do not exceed the maximum level on the dipstick (as this could damage the engine).

Correct the engine oil level if necessary before delivering the vehicle to the customer.

Note:

Prevent oil outflow on the engine to avoid damaging the surrounding components.

- ☐ Use a **funnel** to fill the engine with engine oil recommended by the manufacturer (see **Engine oil: Specifications**) (Technical Note 6013A, 04, Lubricants).

Note:

When filling up the engine oil, always leave at least **10 minutes** for the oil to drain down before checking the level on the dipstick.

- ☐ Check the engine oil level using the dipstick.
- ☐ Refit:
 - the oil filler cap,
 - the dipstick.

K9K

Special tooling required

Mot. 1329 Oil filter removing tool (76 mm diameter)

Equipment required

oil recovery tray

IMPORTANT

Wear leaktight gloves (Nitrile type) for this operation.

WARNING

Always check the oil level using the dipstick.

Do not exceed the maximum level on the dipstick (could destroy the engine).

Correct the engine oil level if necessary before delivering the vehicle to the customer.

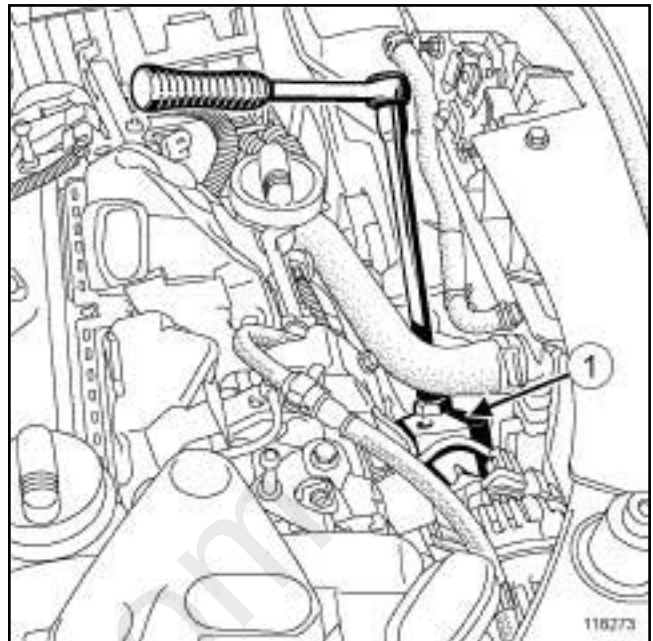
Note:

When topping up the engine oil, always leave at least **10 minutes** before checking the level with a dipstick.

When removing the oil filter, check that the oil filter seal is not still stuck to the cylinder block or oil filter.

REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Fit a **oil recovery tray**.
- ☐ Separate the turbocharger pressure regulation solenoid valve from the fan assembly (if equipped).

II - OIL FILTER REMOVAL OPERATION

118273

- ☐ Position the **(Mot. 1329)** (1) with an extension piece and a ratchet on the oil filter.
- ☐ Remove the oil filter.

REFITTING**I - REFITTING PREPARATION OPERATION**

- ☐ Use **SURFACE CLEANER** (see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - products) to clean and degrease the joint face of the oil filter on the engine.

WARNING

To ensure proper sealing, the gasket surfaces must be clean, dry and not greasy (avoid any finger marks).

- ☐ **parts always to be replaced: Oil filter (10,05,05, 03)**
- ☐ Lubricate the new oil filter seal.

II - OIL FILTER REFITTING OPERATION

- ☐ Refit the oil filter.
- ☐ Tighten the oil filter until the seal makes contact with the engine.
- ☐ Tighten the oil filter by hand **3/4** of a turn.

Oil filter: Removal - Refitting

K9K

III - FINAL OPERATION

- ☐ Fit the turbocharger pressure regulation solenoid valve on the fan assembly (if equipped).
- ☐ Wipe any oil run-off with a cloth.
- ☐ Top up the engine oil with oil recommended by the manufacturer (see **Engine oil: Specifications**) (Technical Note 6013A, 04A, Lubricants).
- ☐ Start the vehicle and wait until the oil pressure warning light goes out on the instrument panel.
- ☐ Check for leaks from the oil filter.
- ☐ Remove the **oil recovery tray**.
- ☐ Check the oil level using the dipstick.

Note:

The level should be between MIN and MAX.

- ☐ Adjust the oil level.

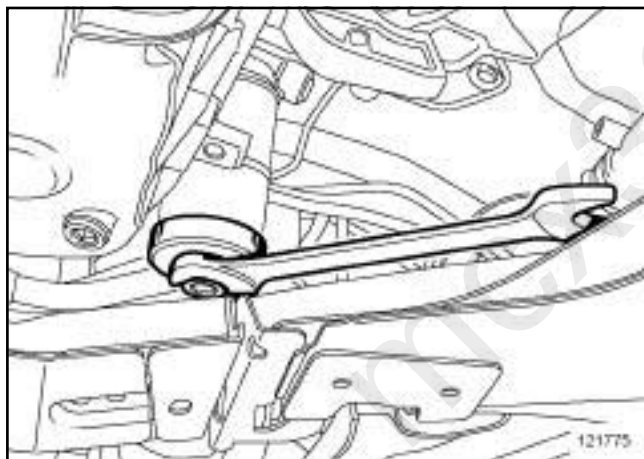
D4F

Special tooling required

Mot. 1330	Oil filter removing tool (66 mm diameter).
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REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (MR 392, 02A, Lifting equipment).
- ☐ Remove the engine undertray.
- ☐ Drain the engine oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page 10A-13) .

II - OPERATION FOR REMOVAL OF PART CONCERNED

121775

- ☐ Remove the oil filter using tool (**Mot. 1330**).

REFITTING**I - REFITTING PREPARATIONS OPERATION**

- ☐ Coat the new oil filter sealing ring with engine oil.

II - REFITTING OPERATION FOR PART CONCERNED

- ☐ Tighten the oil filter until it makes contact.
- ☐ Tighten the **oil filter by 3/4 of a turn** with the (**Mot. 1330**).

III - FINAL OPERATION.

- ☐ Top up the engine oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page 10A-13) .
- ☐ Refit the engine undertray.

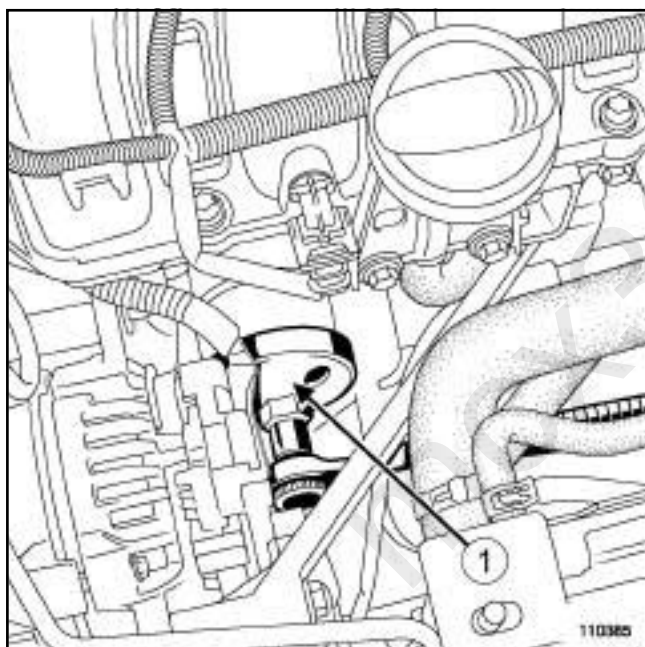
K4J or K4M

Special tooling required

Mot. 1329	Oil filter removing tool (76 mm diameter)
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REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (MR 392, 02A, Lifting equipment).
- ☐ Drain the engine oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page **10A-13**).

II - REMOVAL OF THE PART CONCERNED

110385

- ☐ Fit the **(Mot. 1329)** (1) with a ratchet on the oil filter.
- ☐ Remove the oil filter.

REFITTING**I - REFITTING PREPARATION OPERATION**

- ☐ Lubricate the new oil filter seal.

II - REFITTING PART CONCERNED

- ☐ Tighten the oil filter until the seal makes contact with the engine.
- ☐ Tighten the oil filter three-quarters of a turn by hand.

III - FINAL OPERATION

- ☐ Top up the engine with oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page **10A-13**).

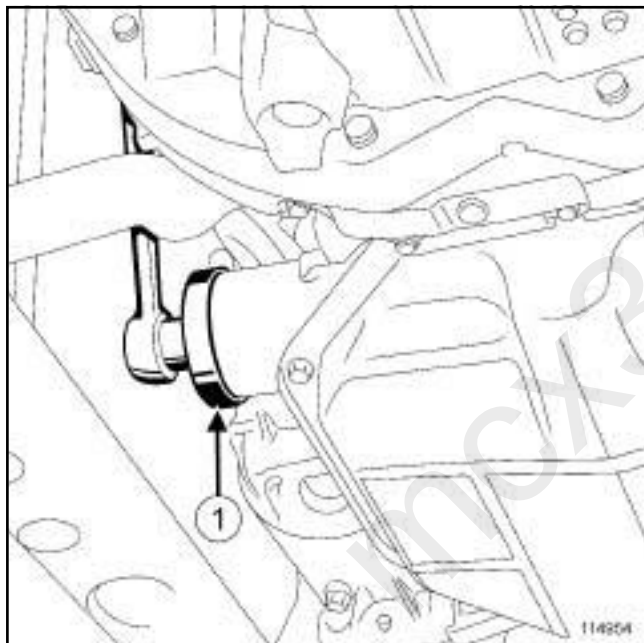
M4R

Special tooling required

Mot. 1654	Oil filter removing tool (64 mm diameter).
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REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) .
- ☐ Drain the engine oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page **10A-13**) .

II - REMOVAL OF PART CONCERNED

114954

- ☐ Fit at (1) the (**Mot. 1654**) with a ratchet on the oil filter.
- ☐ Remove the oil filter.

REFITTING**I - REFITTING PREPARATION OPERATION**

- ☐ Lubricate the new oil filter seal with engine oil.

II - REFITTING THE PART CONCERNED

- ☐ Tighten the oil filter until the seal makes contact with the engine.
- ☐ Tighten oil filter **3/4 of a turn** by hand.

III - FINAL OPERATION

- ☐ Fill up the engine oil (see **10A, Engine and cylinder block assembly, Engine oil: Draining - Refilling**, page **10A-13**) .