

## 2. REFITTING OPERATION



Fit the lower cover.



Tighten to torque and in order the lower cover bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Proceed in the reverse order to removal.



Top up the engine oil([see 10A, Engine and cylinder block assembly, Engine oil - Oil filter : Draining - Filling](#)) .



Repair-10x03x01x01-01x37-1-142-1.xml



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# LOWER COVER: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



## Special tooling required

Removes housing with silicone seals.

Mot. 1716



### WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions [Vehicle: Precautions for the repair](#) .



### CAUTION



It is strictly forbidden to apply any pressure to the engine oil sump. Damage to the sump will irreparably damage the engine by:



blocking the strainer,



raising the oil level above maximum, with a risk of engine racing.

Locations and specifications (tightening torques, parts always to be replaced, etc.) [\(see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view\)](#) .

## REMOVAL

### 1. REMOVAL PREPARATION OPERATION



Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .



Remove:



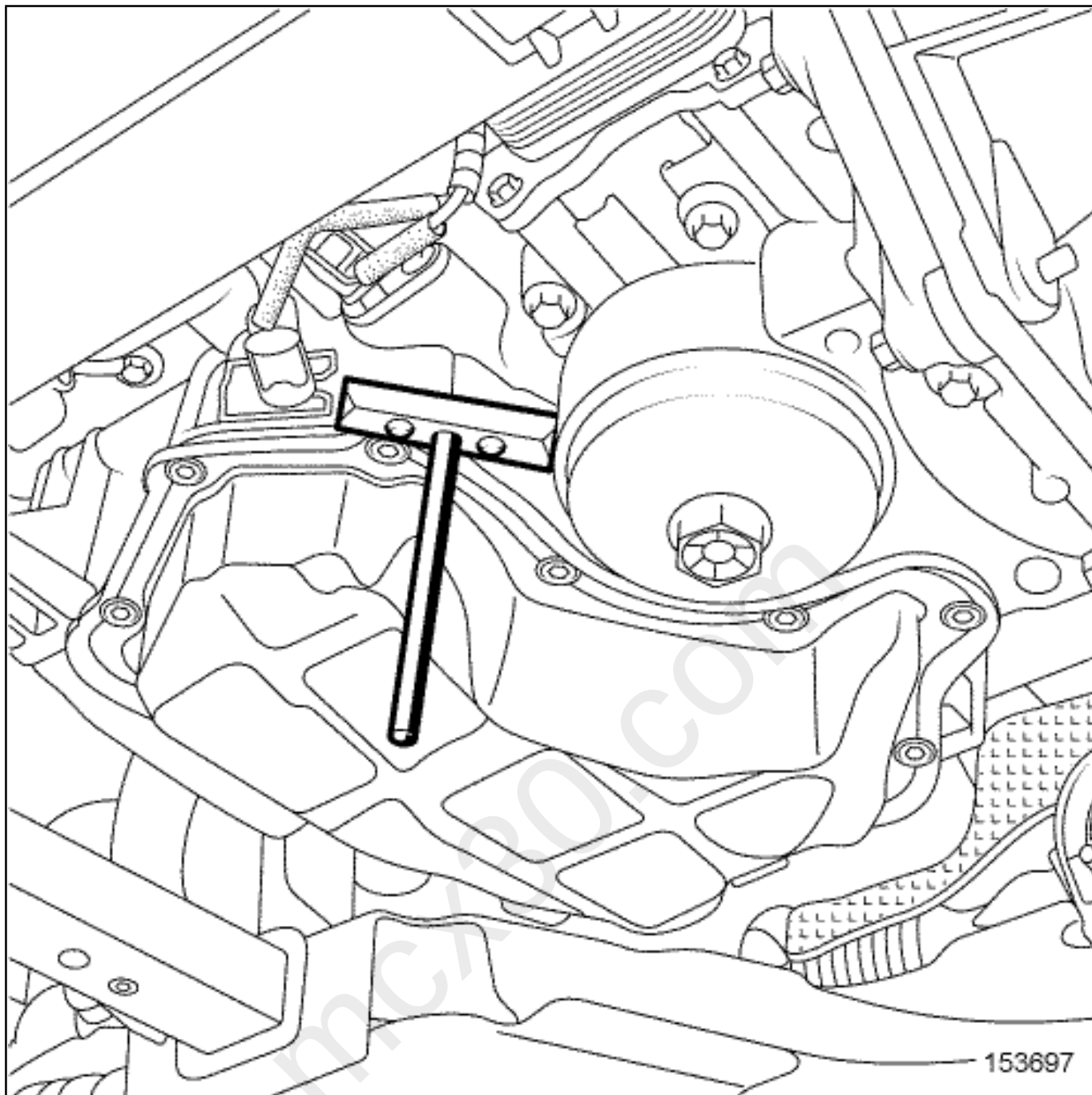
■ the engine undertray bolts,

the engine undertray.

■ Drain the engine oil([see 10A, Engine and cylinder block assembly, Engine oil - Oil filter : Draining - Filling](#)) .

## 2. REMOVAL OPERATION

■ Remove the lower cover bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Detach the lower cover using the tool Removes housing with silicone seals. (Mot. 1716)

Note:



Gradually detach the sump with small alternating movements to prevent damaging the sump.

Remove the lower cover (see 10A, Engine and cylinder block assembly, Engine oil circuit assembly:



Note:

Note the quantity of oil in the sump.

## REFITTING

### 1. REFITTING PREPARATION OPERATION



Apply super cleaning agent for joint faces [Vehicle: Parts and consumables for the repair](#) to the parts to be cleaned.



#### **WARNING**

Wear leaktight gloves (Nitrile type) for this operation.



Wait approximately 10 min.



Remove the residue using a wooden spatula.



Finish cleaning the parts using a grey abrasive pad [Vehicle: Parts and consumables for the repair](#) .



Degrease and clean the joint faces using surface cleaner [Vehicle: Parts and consumables for the repair](#) .



#### **CAUTION**

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

Check that the sump is not:



scratched,



deformed.

If this is the case, replace the sump.

Ensure that the base plate is not scratched.

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Apply a bead of silicone adhesive sealant [Vehicle: Parts and consumables for the repair](#) with an approximate diameter of 5 mm at a distance of approximately 8 mm from the inner edge of the sump to ensure correct sealing.



### CAUTION

Applying excess sealant could cause it to be squeezed out when parts are tightened. A mixture of sealant and fluid could damage certain components (engine, radiator, etc.).