



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



Repair-10x05x01-01x37-1-128-1.xml



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OIL PUMP: REMOVAL - REFITTING

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.



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



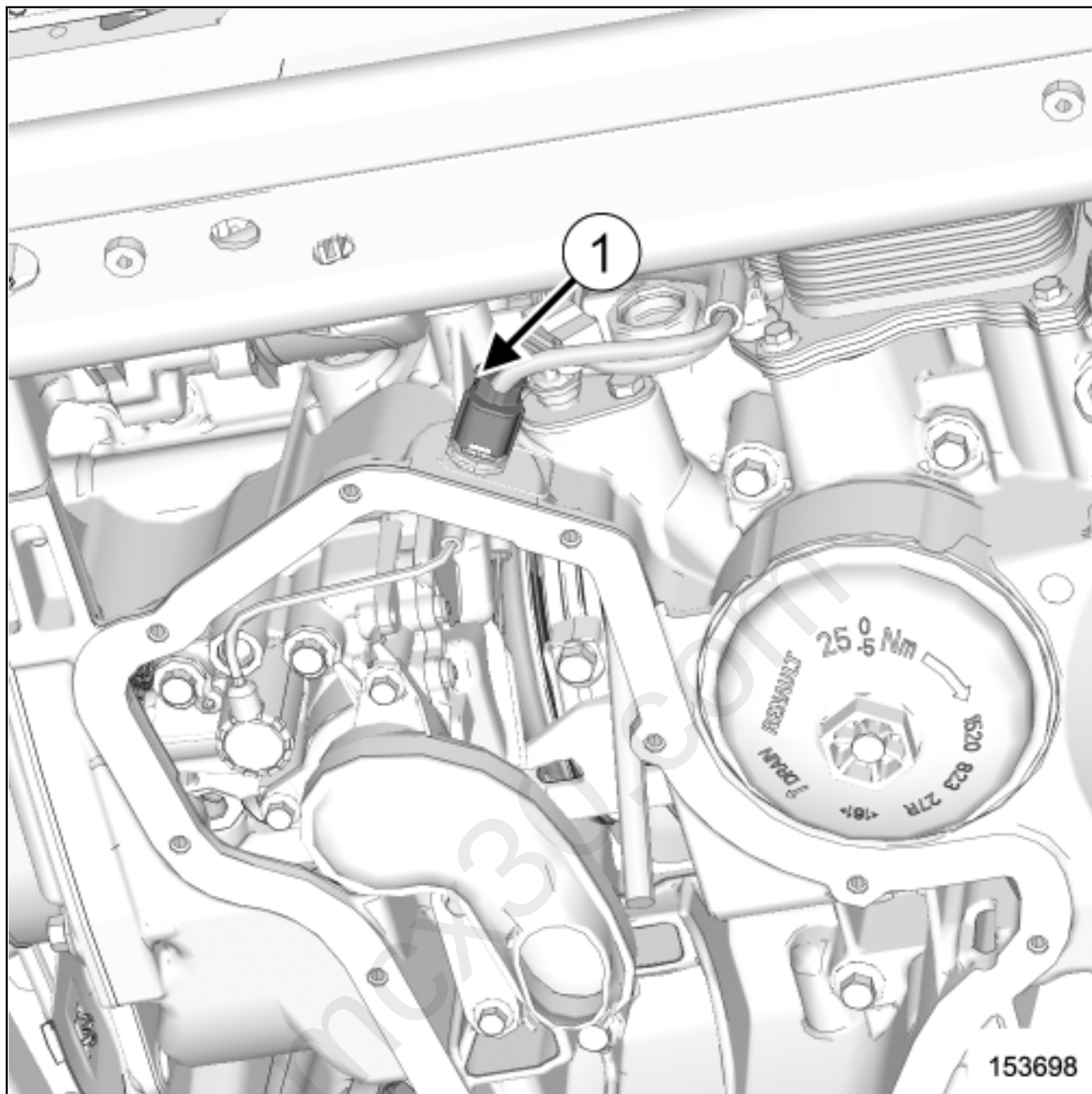
Remove the lower cover[\(see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view\)](#) .



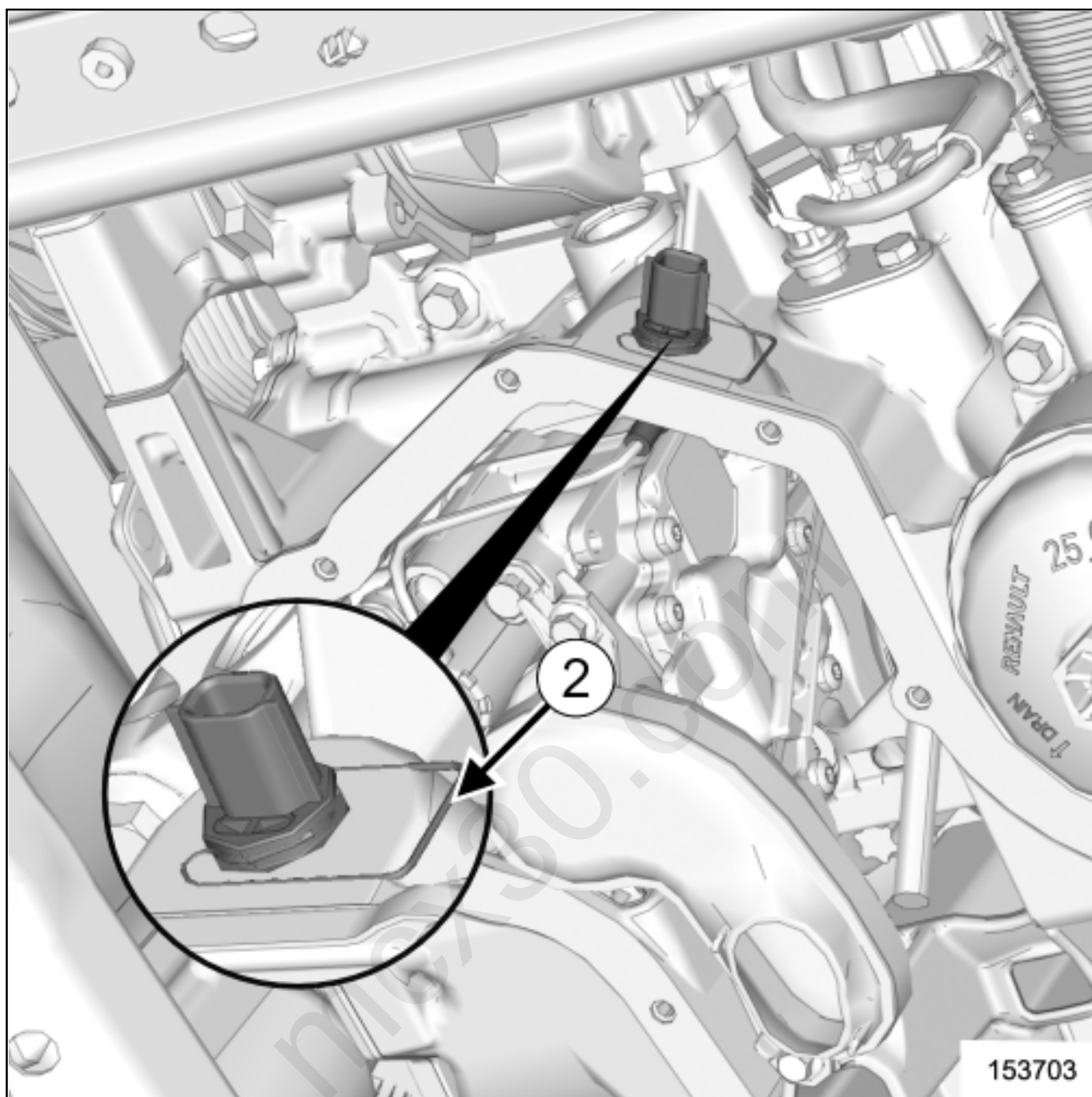
Note:

The solenoid oil pump can be changed without removing the oil pump (remove the bolt from the oil pump and the clip of the connector).

2. REMOVAL OPERATION



Disconnect the oil pump connector(1) .



Remove the clip(2) .

Unclip the oil pump connector.

Remove [\(see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view\)](#) :

the oil pump strainer bolts,

- the oil pump strainer,

- the oil pump strainer seal,

- the oil pump bracket bolts,

- the oil pump bracket,

- the oil pump bolts,

- the oil pump pinion from the oil pump chain,

- the oil pump.

REFITTING

1. REFITTING PREPARATION OPERATION

Part always to be replace:

- the oil pump strainer seal.

2. REFITTING OPERATION

Refit [\(see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view\)](#) :

- the oil pump,

- the oil pump pinion on the oil pump chain.



Note:

If necessary, use a locally produced hook to fit the oil pump chain to the oil pump pinion.

Refit the oil pump bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Torque tighten the oil pump bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Refit ([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) :



the oil pump bracket,



the oil pump bracket bolts.



Torque tighten the oil pump bracket bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Refit ([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) :



a new oil pump strainer seal,



the oil pump strainer,



the oil pump strainer bolts.



Torque tighten the oil pump strainer bolts([see 10A, Engine and cylinder block assembly, Engine oil circuit assembly: Exploded view](#)) .



Proceed in the reverse order to removal.