

Coolant pump: Removal - Refitting

D4F, and 784

III - FINAL OPERATION

☐ Refit:

- the timing belt (see **11A, Top and front of engine, Timing belt: Removal - Refitting**, page **11A-48**) ,
- the right-hand suspended engine mounting (see **19D, Engine mounting, Right-hand suspended engine mounting: Removal - Refitting**, page **19D-22**) ,
- the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page **11A-5**) ,
- the engine undertray,
- the engine cover.

☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).☐ Refill and bleed the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page **19A-16**) .

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Special tooling required

Mot. 1448 Remote operation pliers for hose clips.

Tightening torques

coolant inlet union **17 N.m**
mounting bolts

Note:

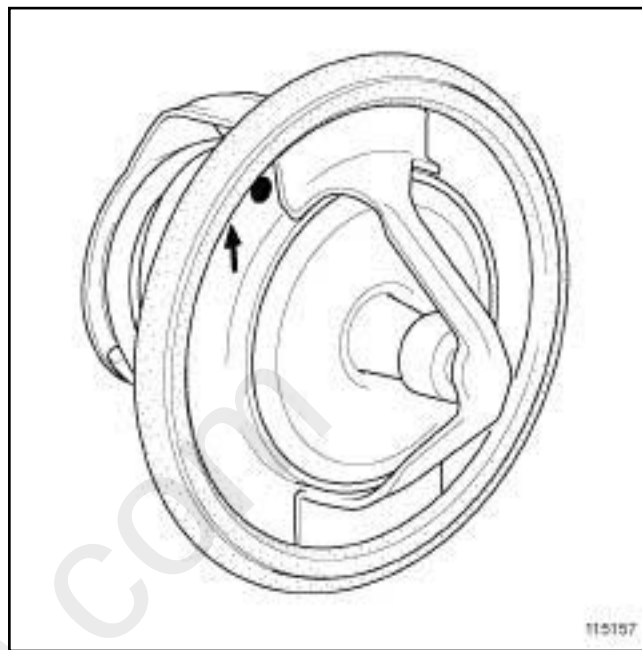
This engine has two thermostats: one thermostat is located on the cylinder head and the other is on the cylinder block.

REMOVAL OF THE CYLINDER HEAD THERMOSTAT**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 cover.
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Remove the engine undertray.
- ☐ Drain the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-16) .
- ☐ Remove the water chamber (see **19A, Cooling, Water chamber: Removal - Refitting**, page 19A-63) .

II - REMOVAL OF PART CONCERNED

- ☐ Remove the cylinder head thermostat.

REFITTING THE CYLINDER HEAD THERMOSTAT**I - REFITTING PART CONCERNED**

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- ☐ Refit the cylinder head thermostat, respecting the direction indicated in the diagram.

II - FINAL OPERATION

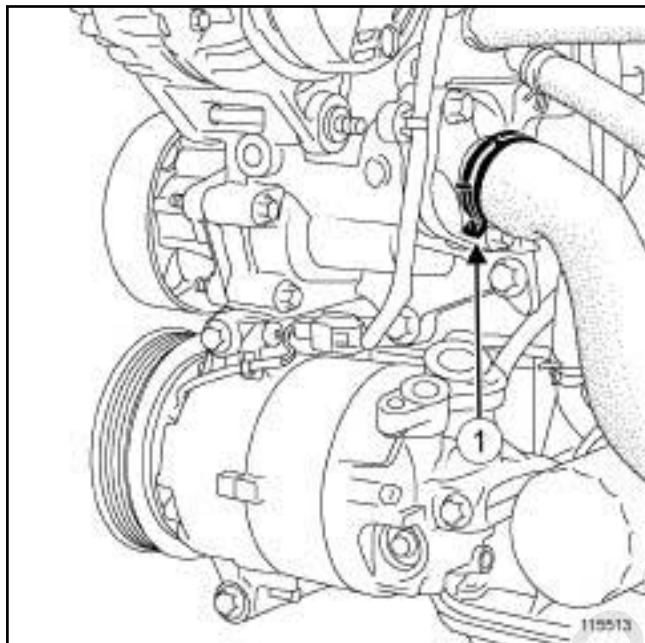
- ☐ Refit the coolant outlet unit (see **19A, Cooling, Water chamber: Removal - Refitting**, page 19A-63) .
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Refit:
 - the engine undertray,
 - the engine cover.
- ☐ Carry out the following operations:
 - fill the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-16) ,
 - bleed the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-16) .

REMOVAL OF THE CYLINDER BLOCK THERMOSTAT**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (MR 392, 02A, Lifting equipment).

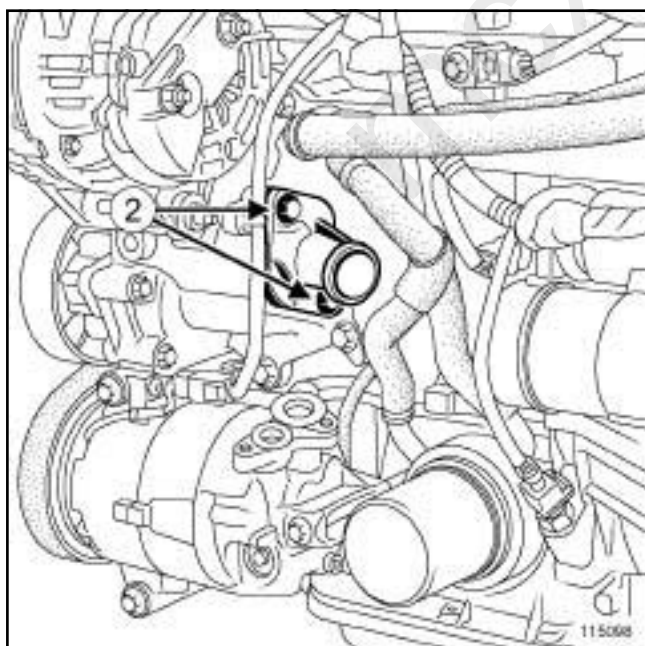
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- ☐ Remove the engine cover.
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Remove the engine undertray.
- ☐ Drain the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-16) .



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- ☐ Disconnect the coolant inlet union hose (1) using the (Mot. 1448).



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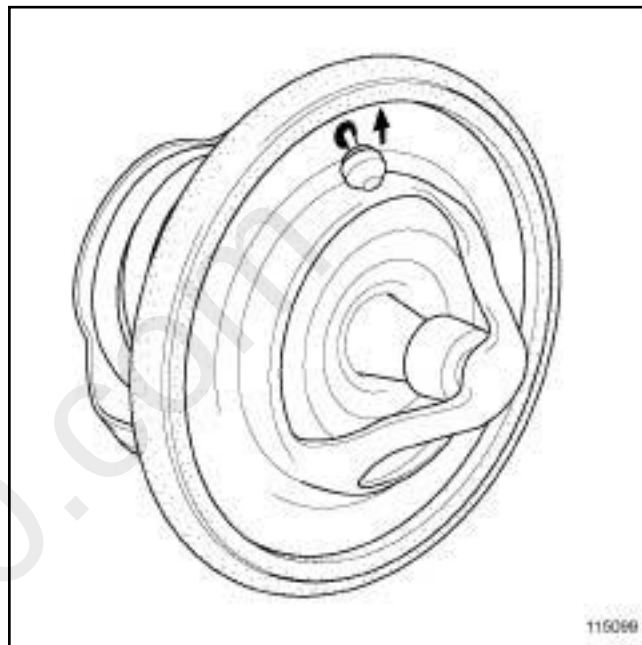
- ☐ Remove:
 - the mounting bolts (2) from the coolant inlet union,
 - the coolant outlet union.

II - REMOVAL OF PART CONCERNED

- ☐ Remove the cylinder block thermostat.

REFITTING THE CYLINDER BLOCK THERMOSTAT

I - REFITTING PART CONCERNED



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- ☐ Refit the cylinder block thermostat, respecting the direction indicated in the diagram.

II - FINAL OPERATION

- ☐ Tighten to torque the **coolant inlet union mounting bolts (17 N.m)**.
- ☐ Connect the coolant inlet union hose using the (Mot. 1448).
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Refit:
 - the engine undertray,
 - the engine cover.
- ☐ Carry out the following operations:
 - fill the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-16) ,
 - bleed the cooling system (see **Cooling system: Bleed**) .

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