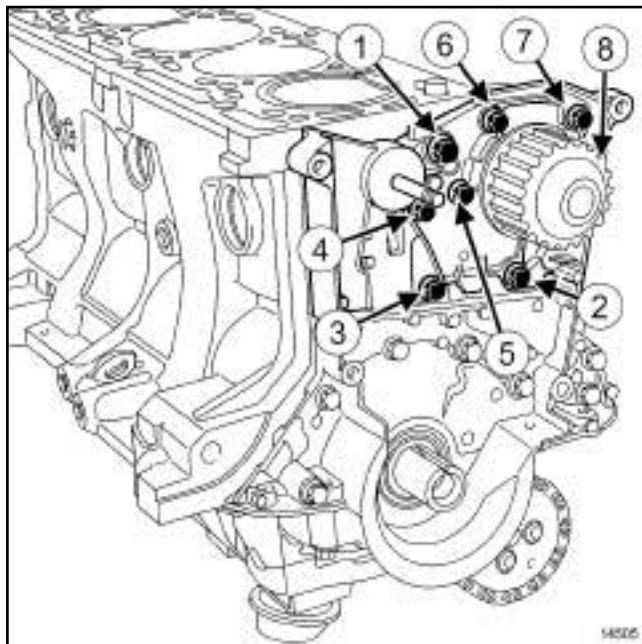


Coolant pump: Removal - Refitting

K4M

II - REFITTING OPERATION



14505

- ☐ Apply one to two drops of **FRENETANCHE** (see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - Products) to the coolant pump bolts (1) and (4) .
- ☐ Refit the coolant pump.
- ☐ Fit the coolant pump bolts in order until contact is made.
- ☐ Torque tighten in order:
 - the **coolant pump M8 bolt (27 N.m) (1)** .
 - the **coolant pump M6 bolts (10 N.m) (2) to (8)** .

III - FINAL OPERATION

- ☐ Refit:
 - the timing belt (see **11A, Top and front of engine, Timing belt: Removal - Refitting**, page 11A-17) ,
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) ,
 - the front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres).
- ☐ Fill the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-6) .
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Bleed the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-6) .

Thermostat: Removal - Refitting

K9K

- ☐ The thermostat is integral with the coolant outlet unit. The coolant outlet unit must be replaced to replace it (see **19A, Cooling, Water chamber: Removal - Refitting**, page **19A-22**) .

K4M

Special tooling required

Mot. 1448 Remote operation pliers for hose clips.

IMPORTANT

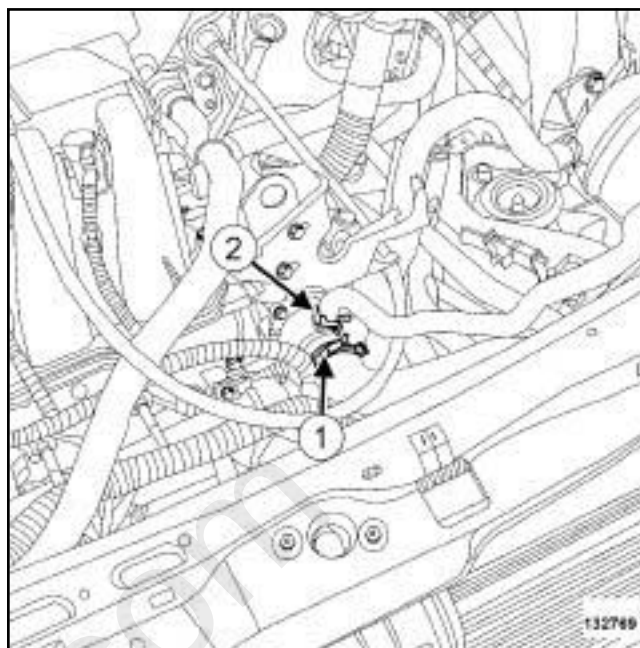
When working in the engine compartment, take care as the radiator fan(s) may start up unexpectedly (risk of being cut).

To avoid any risk of serious burns when the engine is hot:

- do not open the expansion bottle cap,
- do not drain the cooling system,
- do not open the bleed screw(s).

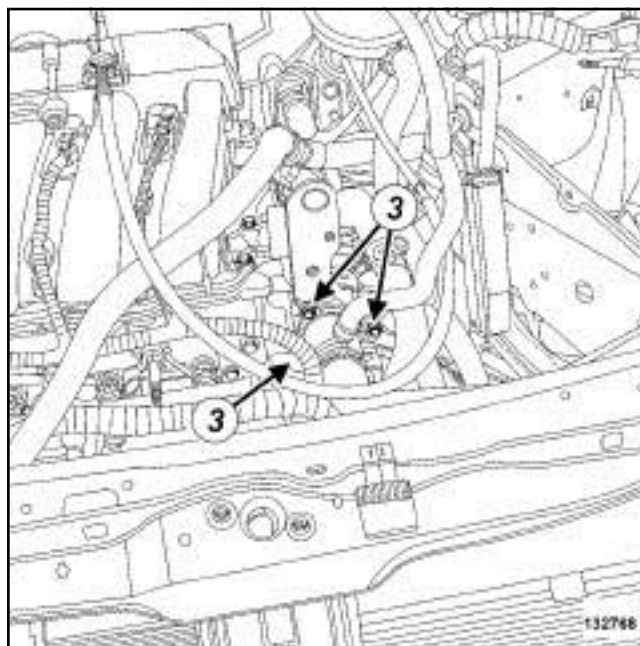
REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Remove:
 - the air resonator (see **12A, Fuel mixture, Air resonator: Removal - Refitting**, page 12A-2) ,
 - the engine undertray bolts,
 - the engine undertray.
- ☐ Drain the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page 19A-6) .

II - OPERATION FOR REMOVAL OF PART CONCERNED

132769

- ☐ Using the **(Mot. 1448)** or remove:
 - the cooling radiator top hose clip (1) ,
 - the clip (2) from the expansion bottle hose.
- ☐ Disconnect from the thermostat cover:
 - the cooling radiator top hose,
 - the expansion bottle hose.



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- ☐ Remove:
 - the thermostat cover bolts (3) ,