

Oil pressure: Check

K4M or K9K

- ☐ Top up the engine oil level if necessary (see **Engine oil: Specifications**) .
- ☐ Start the vehicle and check that there are no oil leaks at the oil pressure sensor.

K4M, and POWER ASSISTED STEERING, and AIR CONDITIONING

Tightening torques 	
multifunction support bolts on the cylinder block	44 N.m
lower bolt of the multifunction support on the sump	25 N.m

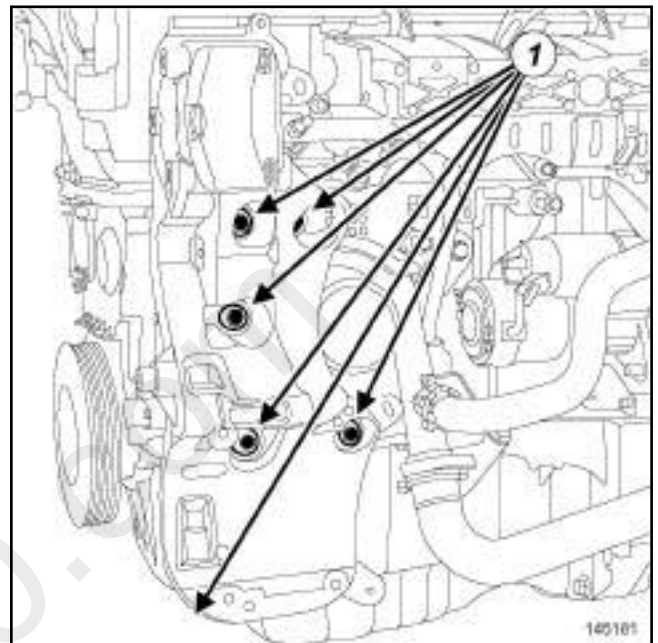
REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Remove:
 - the front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres),
 - the front right-hand wheel arch side liner,
 - the injector rail protector,
 - the engine undertray bolts,
 - the engine undertray.
- ☐ Remove the front bumper (see **Front bumper assembly: Exploded view**) and (see **Exterior body front trim assembly: Exploded view**) (55A, Exterior protection).
- ☐ Disconnect fuel supply pipe on the injector rail.
- ☐ Remove:
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) ,
 - the alternator (see **16A, Starting - Charging, Alternator: Removal - Refitting**, page 16A-1) .
- ☐ Remove (see **Power-assisted steering pump: Removal - Refitting**) (36B, Power-assisted steering):
 - the bolt from the power-assisted steering high pressure pipe on the cylinder block,
 - the bolts from the power-assisted steering pump on the multifunction support (without opening the circuit).
- ☐ Attach the power-assisted steering pump to the front end panel.
- ☐ Disconnect the connector from the air conditioning compressor.

- ☐ Remove the air conditioning compressor bolts (without opening the circuit) (see **Compressor: Removal - Refitting**) (62A, Air conditioning).
- ☐ Attach the air conditioning compressor to the sub-frame.

II - REMOVAL OPERATION



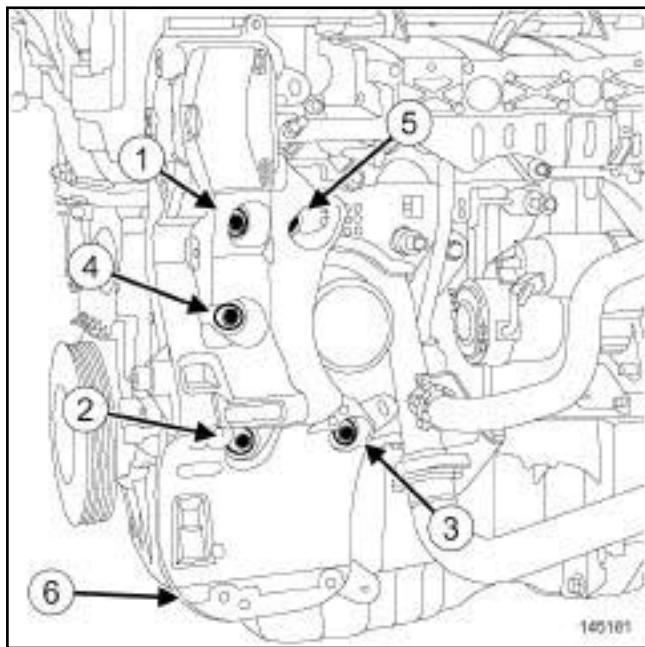
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- ☐ Remove:
 - the multifunction support bolts (1) ,
 - the multifunction support.

K4M, and POWER ASSISTED STEERING, and AIR CONDITIONING

REFITTING

I - REFITTING OPERATION



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- ☐ Refit the multifunction support.
- ☐ Position bolts (1) to (6) without tightening them.
- ☐ Pretighten the multifunction support bolts (1) and (2) on the cylinder block **5 N.m.**
- ☐ Loosen bolts (1) and (2) of the multifunction support by one half-turn.
- ☐ Pretighten the multifunction support bolt (6) on the sump **5 N.m.**
- ☐ Pretighten the multifunction support bolts (1) and (2) on the cylinder block **5 N.m.**
- ☐ Pretighten in order (3) , (4) , (5) , (6) the multifunction support bolts on the cylinder block (**5 N.m.**).
- ☐ Torque tighten in order (1) , (2) , (3) , (4) , (5) the **multifunction support bolts on the cylinder block (44 N.m).**
- ☐ Torque tighten the **lower bolt of the multifunction support on the sump (25 N.m) (6) .**

II - FINAL OPERATION

- ☐ Refit the air conditioning compressor (see **Compressor: Removal - Refitting**) (62A, Air conditioning).
- ☐ Connect the air conditioning compressor connector.

- ☐ Refit (see **Power-assisted steering pump: Removal - Refitting**) (36B, Power-assisted steering):
 - the power-assisted steering pump,
 - the bolt of the power-assisted steering high pressure pipe on the cylinder block.
- ☐ Refit:
 - the alternator (see **16A, Starting - Charging, Alternator: Removal - Refitting**, page 16A-1) ,
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) .
- ☐ Connect the fuel supply pipe on the injector rail.
- ☐ Refit the front bumper (see **Front bumper assembly: Exploded view**) and (see **Exterior body front trim assembly: Exploded view**) (55A, Exterior protection).
- ☐ Refit:
 - the engine undertray,
 - the injector rail protector.
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).

K4M, and STANDARD HEATING RECIRCULATION

Tightening torques

multifunction support bolts on the cylinder block	44 N.m
multifunction support bolt on the sump	25 N.m

REMOVAL

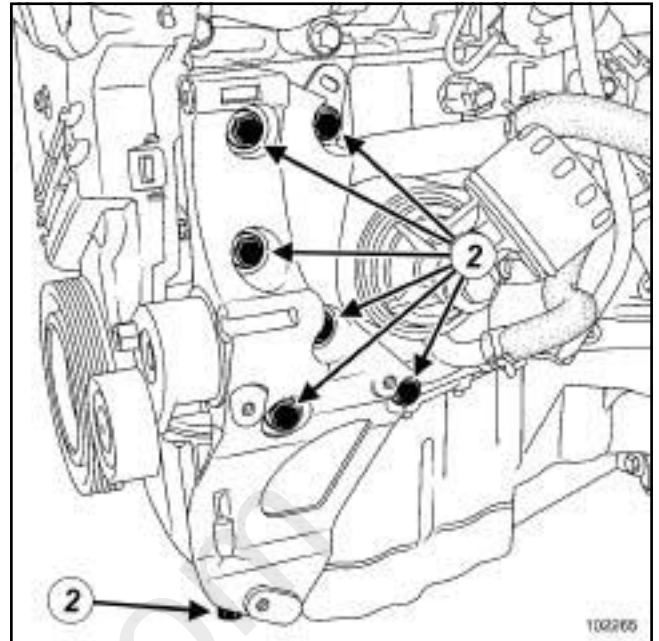
I - REMOVAL PREPARATION OPERATION

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Remove:
 - the front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres),
 - the front right-hand wheel arch side liner,
 - the engine undertray bolts,
 - the engine undertray.
- ☐ Remove the front bumper (see **Front bumper assembly: Exploded view**) and (see **Exterior body front trim assembly: Exploded view**) (55A, Exterior protection).
- ☐ Remove:
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) ,
 - the alternator (see **16A, Starting - Charging, Alternator: Removal - Refitting**, page 16A-1) .

POWER ASSISTED STEERING

- ☐ Remove (see **Power-assisted steering pump: Removal - Refitting**) (36B, Power-assisted steering):
 - the power-assisted steering pump bolts,
 - the high pressure pipe bolt on the cylinder block.
- ☐ Attach the power-assisted steering pump to the front end panel.

II - REMOVAL OPERATION



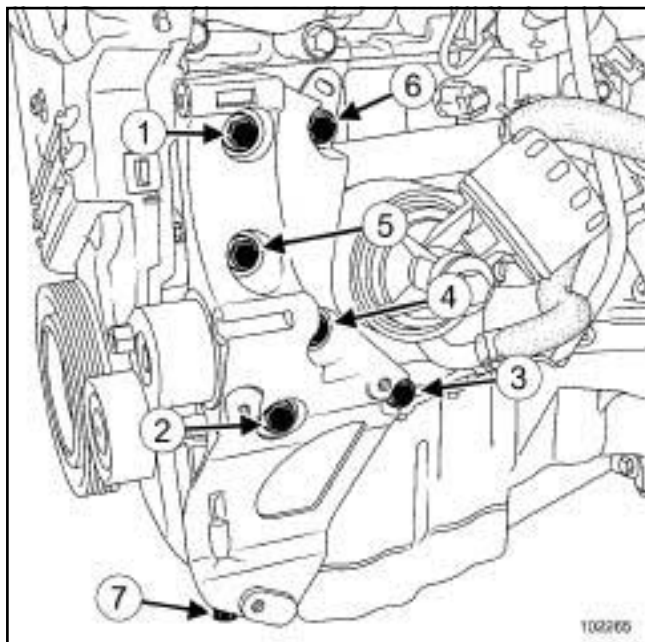
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- ☐ Remove:
 - the multifunction support bolts (2) ,
 - the multifunction support.

K4M, and STANDARD HEATING RECIRCULATION

REFITTING

I - REFITTING OPERATION



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- ☐ Refit the multifunction support.
- ☐ Position bolts (1) to (7) without tightening them.
- ☐ Pretighten the multifunction support bolts (1) and (2) on the cylinder block **5 N.m.**
- ☐ Loosen bolts (1) and (2) a half-turn.
- ☐ Pretighten the multifunction support bolt (7) on the sump **5 N.m.**
- ☐ Pretighten the multifunction support bolts (1) and (2) on the cylinder block **5 N.m.**
- ☐ Pretighten the multifunction support bolts (3) , (4) , (5) , (6) on the cylinder block **5 N.m.**
- ☐ Torque tighten in order (1), (2), (3), (4), (5), (6) the **multifunction support bolts on the cylinder block (44 N.m).**
- ☐ Torque tighten the **multifunction support bolt on the sump (25 N.m) (7) .**

II - FINAL OPERATION

POWER ASSISTED STEERING

- ☐ Refit (see **Power-assisted steering pump: Removal - Refitting**) (36B, Power-assisted steering):
 - the power-assisted steering pump,
 - the power-assisted steering pump bolts,

- the high pressure pipe bolt on the cylinder block.

☐ Refit:

- the alternator (see **16A, Starting - Charging, Alternator: Removal - Refitting**, page 16A-1) ,
- the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) .
- ☐ Refit the front bumper (see **Front bumper assembly: Exploded view**) and (see **Exterior body front trim assembly: Exploded view**) (55A, Exterior protection).
- ☐ Refit the front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres).
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).

K9K

Tightening torques 	
multifunction support bolts on the cylinder block	44 N.m
multifunction support bolt on the sump	25 N.m

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Remove:
 - the front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres),
 - the front right-hand wheel arch side liner,
 - the engine undertray bolts,
 - the engine undertray,
 - the front bumper (see **Front bumper assembly: Exploded view**) and (see **Exterior body front trim assembly: Exploded view**) (55A, Exterior protection),
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page **11A-2**),
 - the alternator (see **16A, Starting - Charging, Alternator: Removal - Refitting**, page **16A-1**).

POWER ASSISTED STEERING, and STANDARD HEATING RECIRCULATION

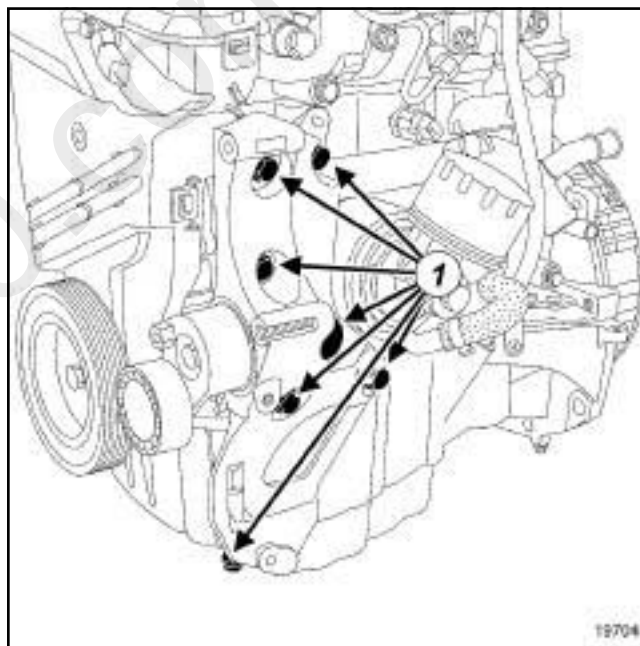
- ☐ Remove the bolts from the power-assisted steering pump on the multifunction support (without opening the circuit) (see **Power-assisted steering pump: Removal - Refitting**) (36B, Power-assisted steering).
- ☐ Attach the power-assisted steering pump to the front end panel.

AIR CONDITIONING

- ☐ Disconnect the air conditioning compressor connector.
- ☐ Remove the air conditioning compressor bolts (without opening the circuit) (see **Compressor: Removal - Refitting**) (62A, Air conditioning).
- ☐ Attach the air conditioning compressor to the lower front cross member.

- ☐ Unpick the wiring harness on the multifunction support.

II - REMOVAL OPERATION



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- ☐ Remove:
 - the multifunction support bolts (1),
 - the multifunction support.