

PETROL INJECTION

Oxygen sensors: Removal - Refitting

17B

K4M, and 862

2 - Downstream oxygen sensor

- ☐ Refit the downstream oxygen sensor.
- ☐ Torque tighten the **downstream oxygen sensor (44 N.m)**.
- ☐ Clip on the downstream oxygen sensor wiring.
- ☐ Connect the downstream oxygen sensor connector.

III - FINAL OPERATION

1 - Upstream oxygen sensor

- ☐ Refit:
 - the front right-hand wheel arch liner (see **Front wheel arch liner: Removal - Refitting**) (55A, Exterior protection),
 - the front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres).

2 - Downstream oxygen sensor

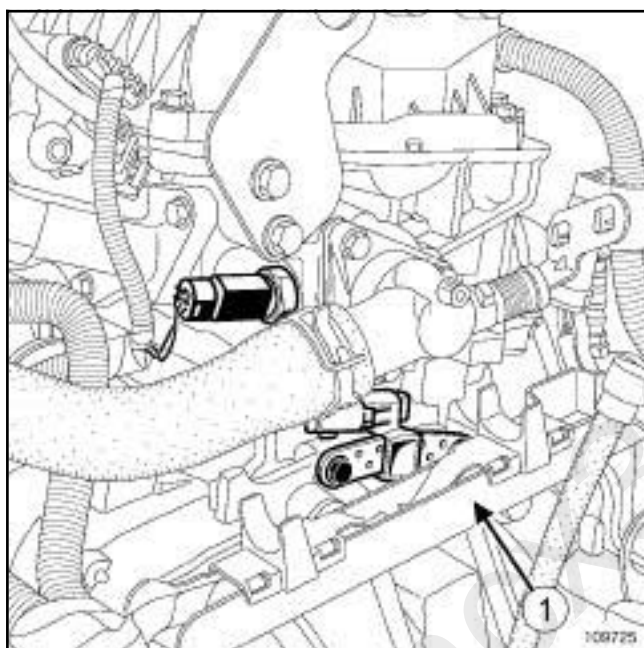
- ☐ Refit:
 - the scoop under the scuttle panel grille (see **Scoop under the scuttle panel grille: Removal - Refitting**) (56A, Exterior equipment),
 - the scuttle panel grille (see **Scuttle panel grille: Removal - Refitting**) (56A, Exterior equipment),
 - the windscreen wiper arms (see **Windscreen wiper arm: Removal - Refitting**) (85A, Wiping - Washing),
 - the engine undertray.

D4F, and 740 or 742 or 764

REMOVAL

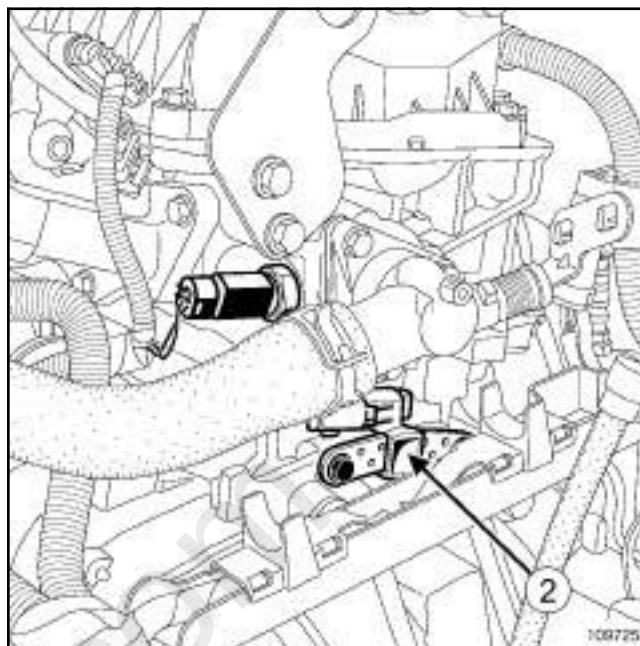
I - REMOVAL PREPARATION OPERATION

- ☐ Disconnect the battery (see **Battery: Removal - Refitting**).
- ☐ Remove the air filter unit (see **12A, Fuel mixture, Air filter unit: Removal - Refitting**, page 12A-17).
- ☐ Move the cooling hose away from the engine wiring harness bracket.
- ☐ Disconnect the engine speed and position sensor connector.



- ☐ Remove the engine wiring harness bracket mountings (1) from the gearbox.
- ☐ Move the engine wiring harness bracket to one side.

II - OPERATION FOR REMOVAL OF PART CONCERNED



- ☐ Remove the engine speed and position sensor (2).

REFITTING

I - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit the engine speed and position sensor.

II - FINAL OPERATION.

- ☐ Refit the engine wiring harness bracket.
- ☐ Connect the engine speed and position sensor connector.
- ☐ Refit:
 - the cooling hose onto the engine wiring harness bracket,
 - the air filter box (see **12A, Fuel mixture, Air filter unit: Removal - Refitting**, page 12A-17).
- ☐ Connect the battery (see **Battery: Removal - Refitting**).

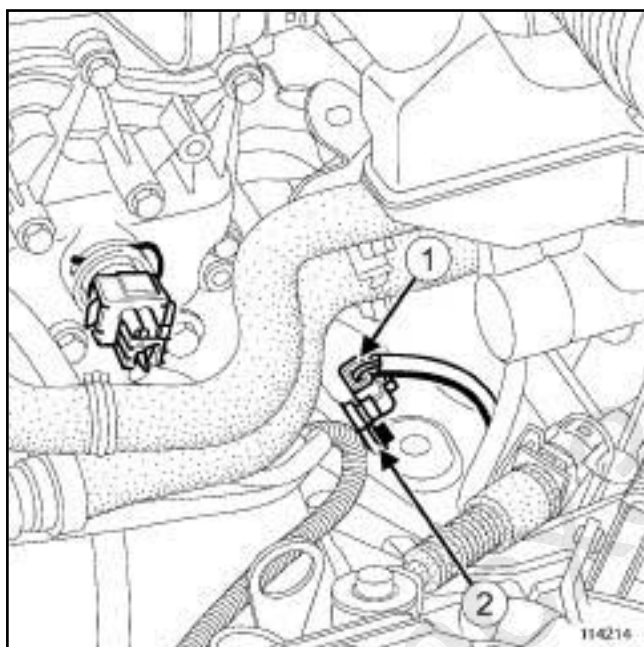
K4J or K4M

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Put the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) .
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) .

II - OPERATION FOR REMOVAL OF PART CONCERNED



114214

- ☐ Disconnect the engine speed and position sensor connector (1) .
- ☐ Remove the engine speed and position sensor (2) .

REFITTING

I - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit the engine speed and position sensor.
- ☐ Connect the engine speed and position sensor connector.

II - FINAL OPERATION

- ☐ Connect the battery (see **Battery: Removal - Refitting**) .

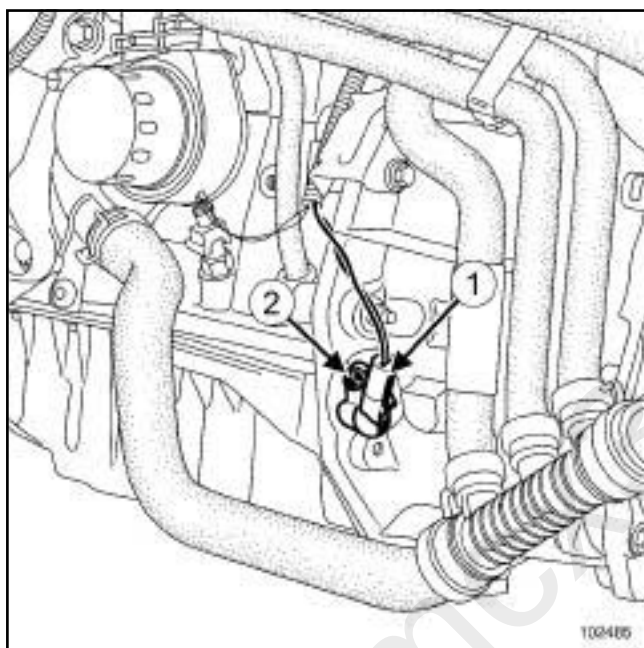
F4R

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (MR 392, 02A, Lifting equipment).
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Remove the engine undertray

II - OPERATION FOR REMOVAL OF PART CONCERNED



102485

- ☐ Disconnect the connector (1) from the engine speed and position sensor.
- ☐ Remove:
 - the speed and position sensor mounting bolt (2) ,
 - the engine speed and position sensor.

REFITTING

I - REFITTING PREPARATION OPERATION

- ☐ Clean the removed sensor using a dry, lint-free cloth.

II - REFITTING OPERATION FOR PART CONCERNED

- ☐ Fit the speed and position sensor in place.
- ☐ Refit the speed and position sensor mounting bolt.

- ☐ Connect the connector to the speed and position sensor.

III - FINAL OPERATION.

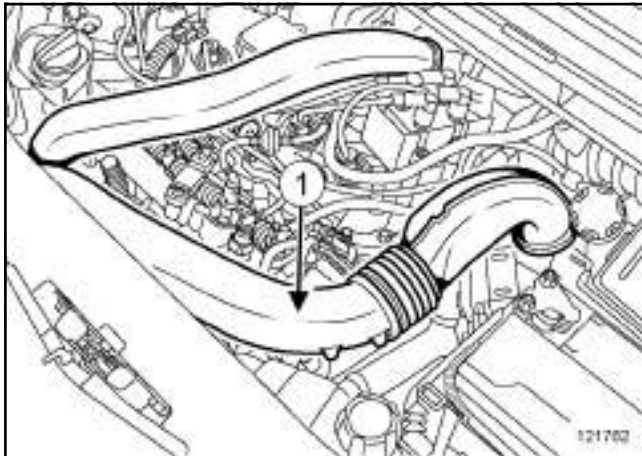
- ☐ Refit the engine undertray.
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).

D4F, and 784

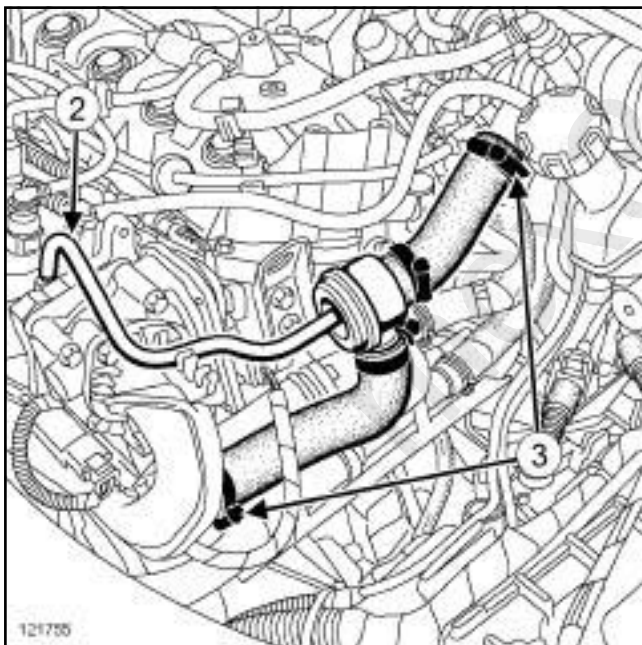
REMOVAL

I - REMOVAL PREPARATION OPERATION

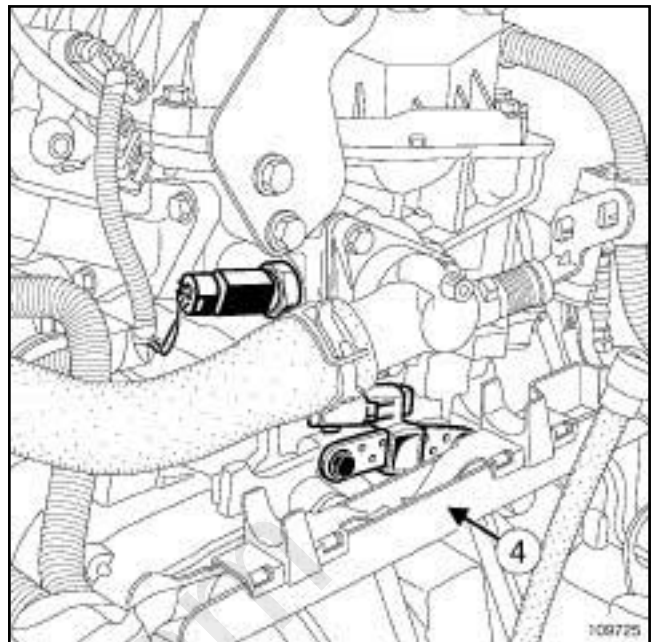
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).



- ☐ Remove the air filter unit air inlet pipe (1) .



- ☐ Disconnect the vacuum pipe (2) .
- ☐ Undo the compressor discharge valve pipe clips (3) .
- ☐ Disconnect the compressor discharge valve pipe.
- ☐ Remove the compressor discharge valve pipe.



- ☐ Move the cooling hose away from the engine wiring harness bracket.
- ☐ Remove the engine wiring mounting bolts (4) from the gearbox.
- ☐ Move the engine wiring harness bracket to one side.