

K9K, and 772

**II - REFITTING OPERATION FOR PART CONCERNED****1 - Catalytic converter upstream temperature sensor**

- ☐ Refit the catalytic converter upstream temperature sensor on its adapter bolted to the exhaust pipe.
- ☐ Torque tighten the **catalytic converter upstream temperature sensor (30 N.m)**.
- ☐ Refit the particle filter (see **19B, Exhaust, Particle filter: Removal - Refitting**, page **19B-54**).

**2 - Particle filter upstream temperature sensor**

- ☐ Refit the particle filter upstream temperature sensor to its adapter bolted to the exhaust pipe.
- ☐ Torque tighten the **particle filter upstream temperature sensor (21 N.m)**.
- ☐ Connect the temperature sensor connector.
- ☐ Clip the temperature sensor wiring harness to the heat shield.
- ☐ Fit the heat shield.
- ☐ Refit the heat shield clips

**3 - Particle filter downstream temperature sensor**

- ☐ Refit the particle filter downstream temperature sensor to its adapter bolted to the exhaust pipe.
- ☐ Torque tighten the **particle filter downstream temperature sensor (30 N.m)**.
- ☐ Connect the temperature sensor connector.
- ☐ Clip:
  - the temperature sensor wiring harness on the heat shield,
  - the downstream pressure measurement connection.
- ☐ Fit the heat shield.
- ☐ Refit the heat shield clips.

**III - FINAL OPERATION**

- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Before starting the engine, use the **Diagnostic tool** to clear any faults stored by the injection computer.
- ☐ Refit:
  - the engine undertray,
  - the engine cover.

## Exhaust fuel injector: Removal - Refitting

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## Equipment required

Diagnostic tool

Tightening torques 

|                                                        |               |
|--------------------------------------------------------|---------------|
| mounting bolt of the diesel injector retaining bracket | <b>21 N.m</b> |
|--------------------------------------------------------|---------------|

**IMPORTANT**

To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair:

- see **Exhaust: Precautions for repair** (19B, Exhaust),
- see **Vehicle: Precautions for repair** (01D, Mechanical introduction).

**IMPORTANT**

Wear protective gloves during the operation.

**IMPORTANT**

Wear heat protective gloves during the operation.

**PARTS AND CONSUMABLES FOR THE REPAIR WORK**

- ☐ Parts always to be replaced:
  - the diesel injector seal on its cooler.
- ☐ Consumables:
  - cleaning cloths (part no. **77 11 211 707**).

**REMOVAL****I - REMOVAL PREPARATION OPERATION**

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

- ☐ Run command **AC238** "Fuel pump relay" in order to lower the fuel pressure in the exhaust fuel injector supply system.

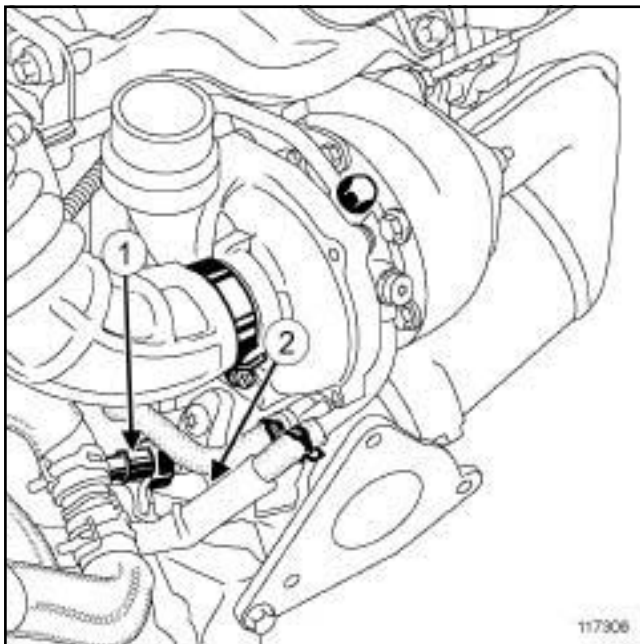
**Note:**

Repeat this operation 4 times in order to discharge the residual pressure as much as possible.

- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Remove:
  - the engine cover,
  - the engine undertray
  - the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery),
  - the battery tray (see **Battery tray: Removal - Refitting**) (MR 392, 80A, Battery).

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## II - OPERATION FOR REMOVAL OF PART CONCERNED



- ❑ From underneath the engine compartment, disconnect from the diesel injector on the catalytic pre-converter:

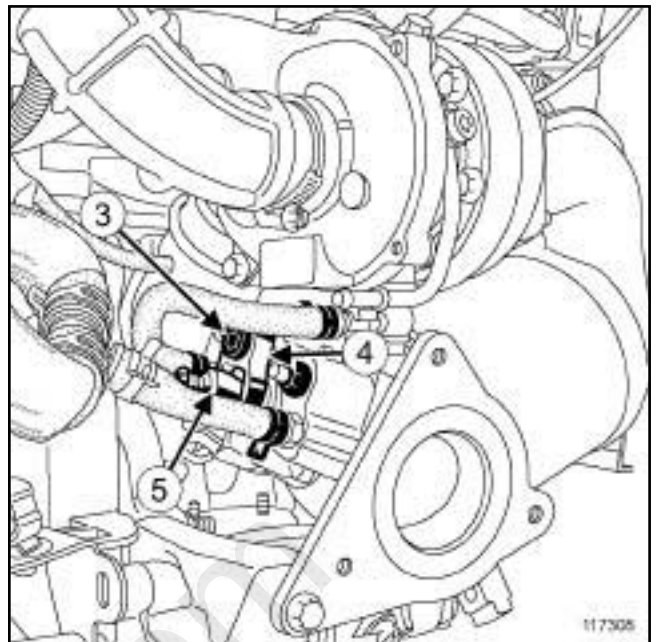
- the diesel supply pipe union (1) ,
- the electrical connector (2) .

Note:

Be careful not to damage the connector.

Note:

Prepare for diesel outflow (pressurised circuit).



- ❑ Remove:

- the retaining bracket bolt (3) from the diesel injector on the catalytic pre-converter using a ratchet fitted with an extension and a **T45 male torx socket**,
- the diesel injector retaining bracket (4) on the catalytic pre-converter,
- the diesel injector (5) with its seal.

Note:

To remove and refit the injector, lift the vehicle and operate from underneath.

- ❑ Discard the diesel injector cooler seal.

## REFITTING

## I - CLEANING THE DIESEL INJECTOR

- ❑ Immerse the injector in a container of diesel.
- ❑ Wipe using new cleaning cloths (part no. **77 11 211 707**).

## WARNING

It is strictly forbidden to clean the injectors with:

- a wire brush,
- an emery cloth,
- an ultrasonic cleaner.