

PETROL INJECTION

Crankshaft position sensor: Removal - Refitting

17B

K4M

Equipment required

Diagnostic tool

Tightening torques

crankshaft position sensor bolts

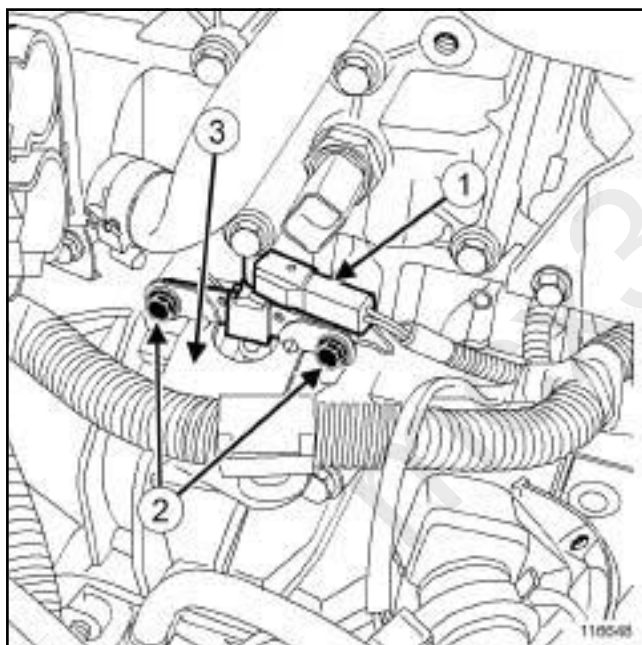
8 N.m

REMOVAL

I - REMOVAL PREPARATION OPERATION

- ☐ Remove the air resonator (see **12A, Fuel mixture, Air resonator: Removal - Refitting**, page 12A-2) .

II - REMOVAL OPERATION



116648

- ☐ Disconnect the crankshaft position sensor connector (1) .
- ☐ Remove the two bolts (2) from the crankshaft position sensor.
- ☐ Move aside the engine wiring harness mounting support (3) .
- ☐ Remove the crankshaft position sensor.

REFITTING

I - REFITTING OPERATION

- ☐ Refit the crankshaft position sensor.
- ☐ Refit the engine wiring harness mounting support.
- ☐ Refit the two bolts of the crankshaft position sensor.
- ☐ Torque tighten the **crankshaft position sensor bolts (8 N.m)**.

II - FINAL OPERATION

- ☐ Refit the air resonator (see **12A, Fuel mixture, Air resonator: Removal - Refitting**, page 12A-2) .

III - WHEN REPLACING THE CRANKSHAFT POSITION SENSOR

- ☐ Program the flywheel target:
 - perform a deceleration with injection cut-off in second, third, fourth or fifth gear between **3500** and **3000 rpm**, for at least **2 seconds**,
 - perform a deceleration with injection cut-off in second, third, fourth or fifth gear between **2400** and **2000 rpm**, for at least **3 seconds**.
- ☐ Use the **Diagnostic tool** to check that this programming has been successfully completed, **ET060 Flywheel signal with engine running**.
- ☐ Read the fault codes.
- ☐ Repair if necessary.
- ☐ Clear the fault codes.
- ☐ Check that the vehicle is working correctly.

PETROL INJECTION

Injector rail - Injectors: Removal - Refitting

17B

K4M

Tightening torques

injector rail bolts	9 N.m
injector rail protector nuts	21 N.m

IMPORTANT

Wear leaktight gloves (Nitrile type) for this operation.

IMPORTANT

During this operation, be sure to:

- refrain from smoking or bringing red hot objects close to the working area,
- be careful of fuel splashes when disconnecting the union.

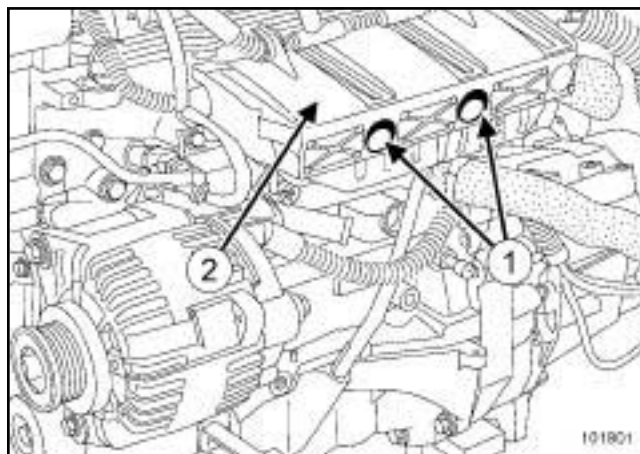
IMPORTANT

Be careful when removing the injectors or the injection rail as there will be a quantity of fuel in the rail and the union.

REMOVAL

I - REMOVAL PREPARATION OPERATION

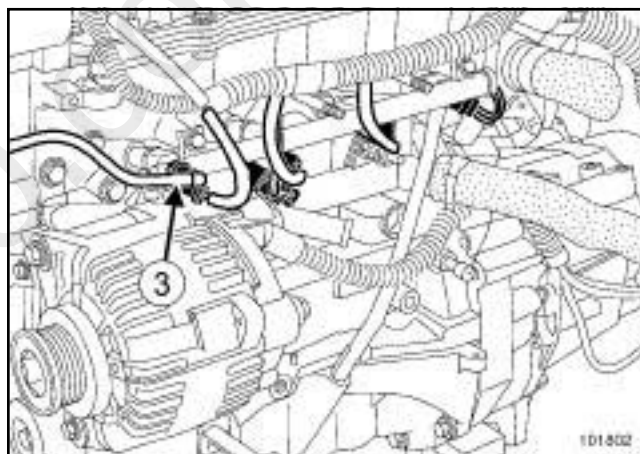
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).



101801

☐ Remove:

- the two nuts (1) from the injector rail protector,
- the injector rail protector (2) .



101802

- ☐ Disconnect the fuel supply pipe union (3) on the injector rail.
- ☐ Fit blanking plugs.