

DIESEL INJECTION

High pressure pipe: Check

13B

K9K

- ☐ Run command **AC029 "high pressure circuit sealing test"** in the "LPG/fuel circuit" tab of the **Diagnostic tool**.

WARNING

Do not leave anything on the side of the engine housing during the test phase (significant vibration).

Note:

The engine automatically runs a cycle of four accelerations and decelerations to lower the rail pressure.

- ☐ Check that there are no leaks in the high pressure circuit.
- ☐ Deal with the causes of any leaks.
- ☐ Disconnect:
 - the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery),
 - the inlet air pressure sensor.
- ☐ Remove:
 - the upper section of the turbocharging duct,
 - the air inlet duct.
- ☐ Refit:
 - the injector rail protector cover,
 - the mountings of the injection rail protector cover,
 - the air inlet duct.
- ☐ Loosen the intercooler inlet air pipe mounting nut on the alternator.
- ☐ Fit the air duct on the turbocharger and on the air pipe at the intercooler inlet.
- ☐ Lock the air duct onto the turbocharger and the intercooler inlet air pipe.
- ☐ Tighten the bolt of the air duct on the rocker cover.
- ☐ Torque tighten the **nut mounting the intercooler air inlet pipe on the alternator (8 Nm)**.
- ☐ Connect:
 - the inlet air pressure sensor.
 - the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).

DIESEL INJECTION

Accelerometer: Removal - Refitting

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K9K, and 750 or 752 or 760 or 762 or 766 or 768

Special tooling required

Mot. 1746	Offset wrench for tightening High Pressure pump pipes.
Emb. 1596	24 mm socket wrench for removal - refitting of clutch master cylinder.

Equipment required

torque wrench

Diagnostic tool

Tightening torques

accelerometer mountings	21 N.m
high pressure pipe	24 N.m
injector rail neck nuts	21 N.m
nut mounting the inter-cooler inlet air pipe on the alternator	8 N.m

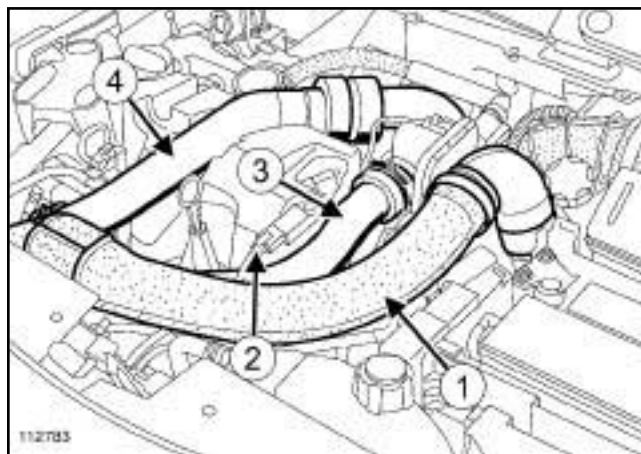
Note:

Vehicles equipped with the K9K*768 engine may or may not be equipped with an intercooler.

REMOVAL

I - REMOVAL PREPARATION OPERATION

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

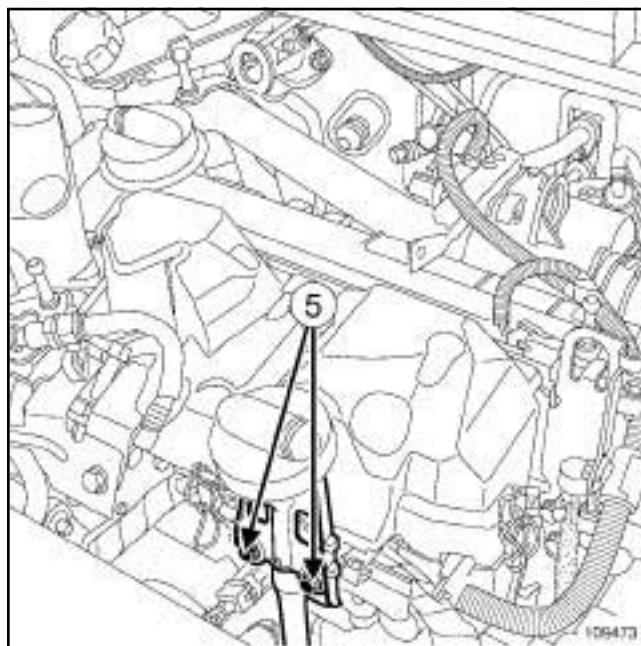


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- ☐ Remove the inlet air duct (1) .
- ☐ Disconnect the turbocharger pressure sensor connector (2) .

K9K, and 750 or 760 or 762 or 766 or 768

- ☐ Loosen the clip of the air duct (3) between the inter-cooler and the inlet.
- ☐ Remove the air duct between the intercooler and the inlet.
- ☐ Remove the stainless steel pipe (4) between the turbocharger and the intercooler.



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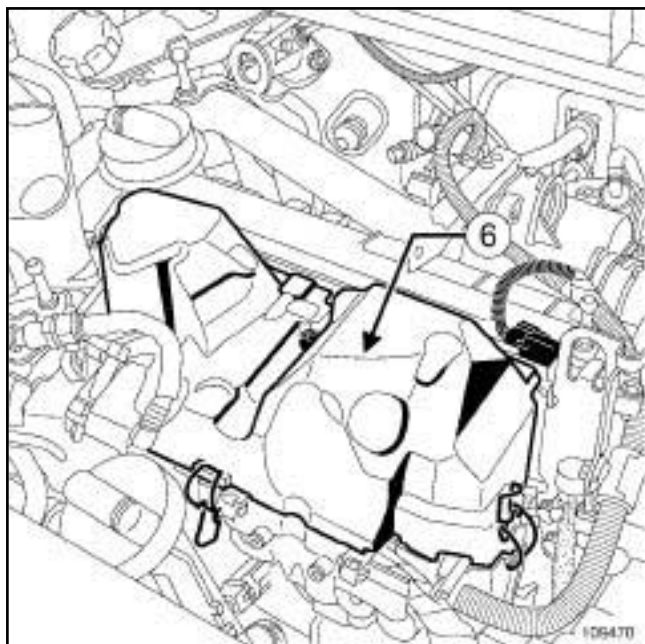
- ☐ Remove the dipstick bolts (5) .
- ☐ Put the dipstick to one side.

DIESEL INJECTION

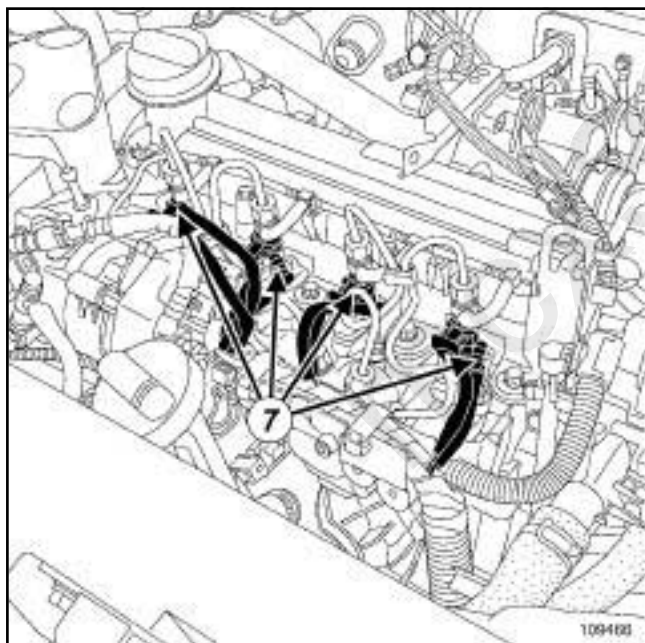
Accelerometer: Removal - Refitting

13B

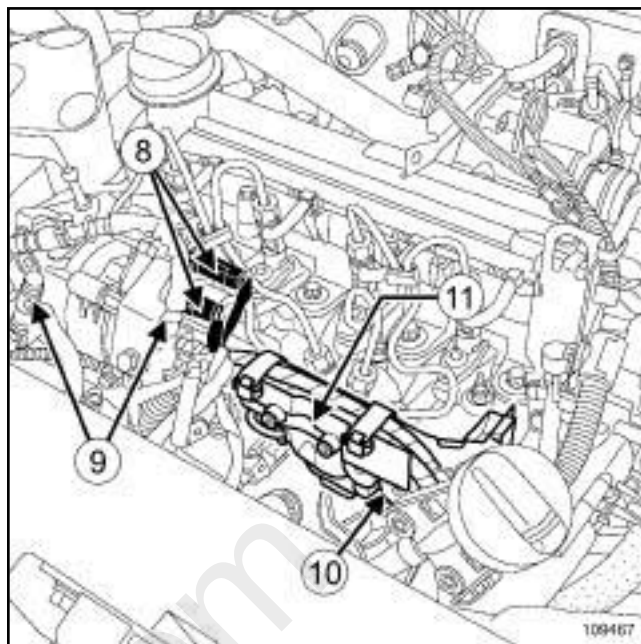
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- ❑ Remove the cover (6) from the injector rail protector.



- ❑ Disconnect the following connectors (7) :
 - the heater plugs,
 - the injectors.



- ❑ Disconnect:
 - the high pressure pump electrical connectors (8) ,
 - the diesel supply and return pipes (9) ,
 - the spherical injector rail pressure sensor (10) .
- ❑ Fit the correct blanking plugs.
- ❑ Remove the bolts mounting the neck (11) onto the spherical injector rail.
- ❑ Move the electric wiring harness and neck to the side as shown by the arrow.
- ❑ Undo:
 - the high pressure pipe nut at the pump end using the (Mot. 1746),
 - the high pressure pipe nut at the injector rail end using the (Mot. 1746).
- ❑ Fit blanking plugs into the openings.

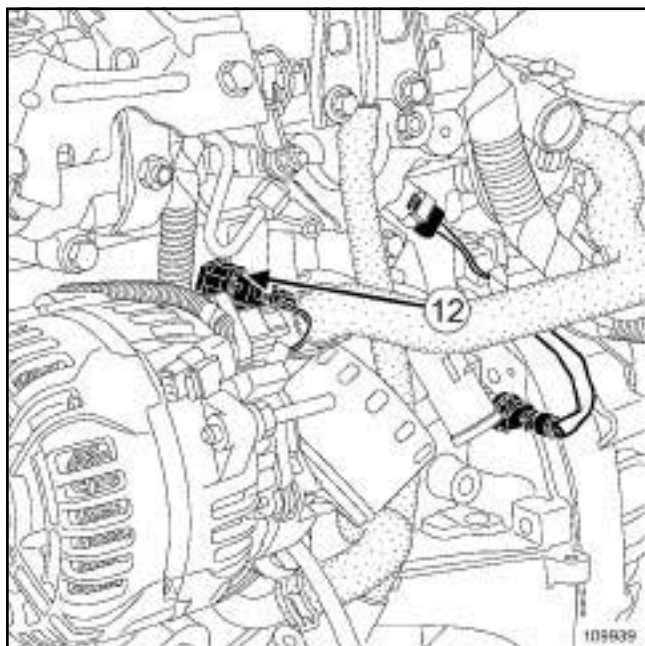
DIESEL INJECTION

Accelerometer: Removal - Refitting

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II - OPERATION FOR REMOVAL OF PART CONCERNED

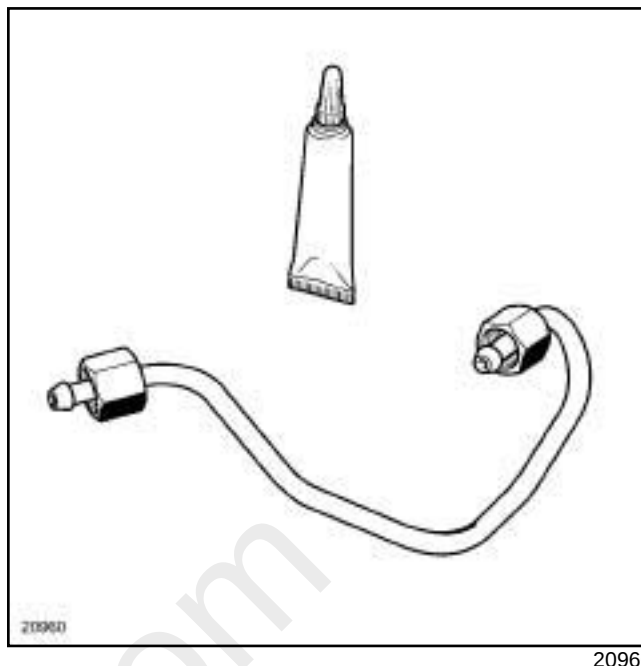


- ❑ Remove the accelerometer (12) using the (Emb. 1596).

REFITTING

REFITTING OPERATION FOR PART CONCERNED

- ❑ Refit the accelerometer.
- ❑ Tighten to torque the **accelerometer mountings (21 N.m)** using the **torque wrench**.



WARNING

Before fitting a new high pressure pipe, lightly lubricate the nut threads with oil from the applicator provided with the new part.

Be careful not to allow oil into the high pressure pipe.

Do not lubricate high pressure pipes supplied without an applicator, as these high pressure pipes are self-lubricating.

WARNING

Do not remove the blanking plugs from each component until the last moment.

- ❑ Remove the blanking plugs.
- ❑ Insert the high pressure pipe olive in the high pressure pump high pressure outlet taper.
- ❑ Fit, without tightening, the high pressure pipe nuts by hand, starting with the nut at the rail end.
- ❑ Slightly pretighten the high pressure pipe nuts.
- ❑ Torque tighten the **high pressure pipe (24 N.m)**.