

DIESEL INJECTION

Flow actuator: Removal - Refitting

13B

K9K, and 750 or 752 or 766 or 768

- ☐ Only unpack the new component when you are ready to fit it.

WARNING

Do not damage the seal when refitting.

Note:

Do not lubricate the actuator seals with grease or used diesel oil. Use the applicator provided in the kit for the new part.

II - REFITTING PART CONCERNED

- ☐ Fit the actuator.
- ☐ Screw on the two actuator bolts without tightening them.
- ☐ Tighten to torque the **two fuel flow actuator mounting bolts (5.5 N.m)** using a **torque wrench**.

III - FINAL OPERATION

- ☐ Fit a new high pressure pipe to injector no. 4 and a new clip.
- ☐ Torque tighten the **high pressure pipe unions (24 N.m)** using the **(Mot. 1566)** or **(Mot. 1746)**.
- ☐ Connect:
 - the high pressure pump electrical connectors,
 - the diesel supply and return pipe,
 - the injector connectors from cylinders no. 3 and 4,
 - the heater plugs.
- ☐ Refit:
 - the high pressure pump protector plate,
 - the upper section of the injector rail protector,
 - the dipstick pipe.
- ☐ Refit the air inlet duct.
- ☐ Connect the inlet air pressure sensor.

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- ☐ Loosen the intercooler inlet air pipe nut on the alternator.
- ☐ Fit the air duct between the turbocharger and the intercooler air inlet pipe.
- ☐ Lock the air duct onto the turbocharger and the intercooler inlet air pipe.
- ☐ Tighten the bolt of the air duct on the rocker cover.
- ☐ Tighten the **intercooler air inlet pipe nut on the alternator (8 N.m)**.

- ☐ Refit the engine cover.
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Check that there are no diesel leaks:
 - Check the sealing after repair (see **13B, Diesel injection, High pressure pipe: Check**, page **13B-99**).
 - Let the engine run at idle speed until the engine cooling fan starts to operate.
 - Accelerate several times at no load.
 - Switch off the ignition.
 - Check that there is no diesel fuel escaping.

DIESEL INJECTION

Venturi: Removal - Refitting

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Equipment required

Diagnostic tool

torque wrench

Tightening torques

Venturi bolt **5.5 N.m**

nut mounting the inter-cooler inlet air pipe on the alternator **8 N.m**

IMPORTANT

Before carrying out any work on the injection circuit, check using the **Diagnostic tool**

- that the injector rail is not under pressure,
- that the fuel temperature is not too high.

It is essential to respect the safety and cleanliness advice whenever work is carried out on this system.

Loosening a high pressure pipe union when the engine is running is strictly prohibited.

WARNING

Before starting work on the vehicle, obtain:

- a new blanking plug kit (**part no. 77 01 206 804**),
- cleaning cloths (**part no. 77 11 211 707**),
- cleaning product (**part no. 77 11 224 188**).

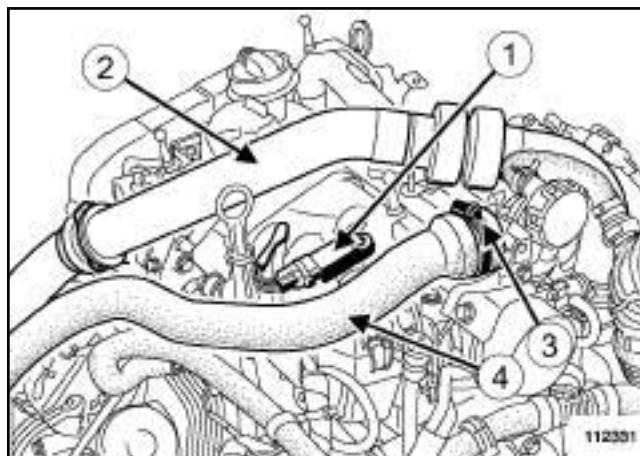
Note:

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

REMOVAL

I - REMOVAL PREPARATION OPERATION

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



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- ☐ Disconnect the inlet air pressure sensor (1) .

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- ☐ Remove the upper section of the turbocharger air duct (2) .
- ☐ Loosen the clip (3) .
- ☐ Move the inlet air duct to one side (4) .

- ☐ Remove:

- the dipstick,
- the dipstick duct bolts.

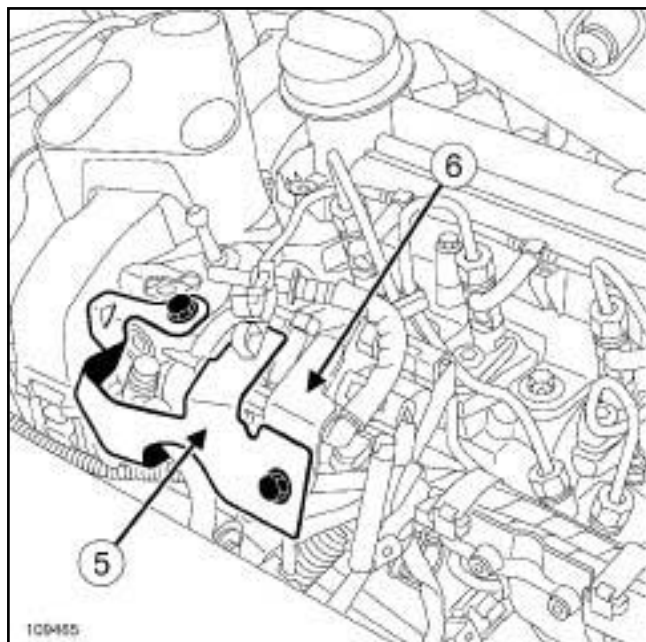
- ☐ Move the dipstick duct to one side.
- ☐ Unclip the upper section of the injector rail protector.
- ☐ Unscrew the upper section of the injector rail protector.
- ☐ Remove the injector rail protector.

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- ☐ Remove the high pressure pump protectors (5) and (6) .
- ☐ Protect the alternator from fuel outflow.
- ☐ Pour cleaning product into a container.

IMPORTANT

Wear protective gloves when using cleaning product.

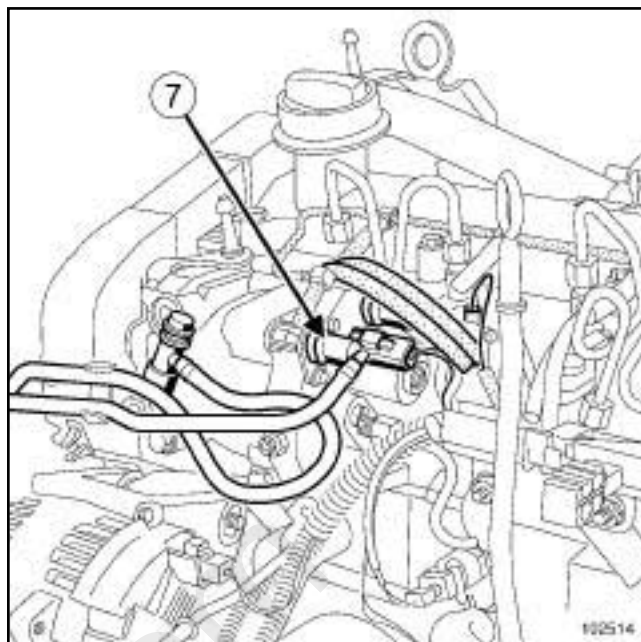
- ☐ Soak the brush with cleaning product and clean the diesel return pipe union on the high pressure pump.
- ☐ Blow compressed air into the cleaned areas, then wipe with new cloths.

IMPORTANT

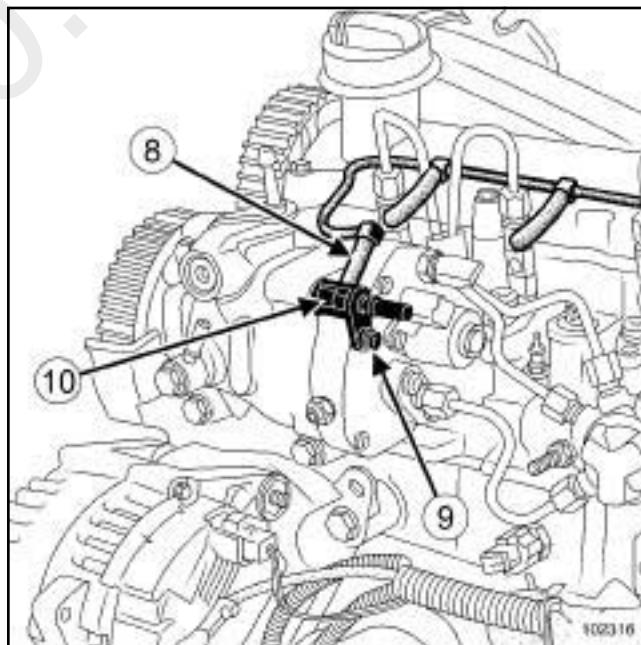
Wear protective glasses

WARNING

Do not blow compressed air once the fuel circuit is open, otherwise impurities may enter the system. Use cloths if necessary.



- ☐ Disconnect the diesel return pipe (7) .
- ☐ Fit the correct blanking plugs.



- ☐ Disconnect the return pipe (8) connecting the injectors to the high pressure pump.
- ☐ Fit the correct blanking plugs.

II - REMOVAL OF THE PART CONCERNED

- ☐ Remove:
 - the Venturi bolt (9) ,
 - the Venturi (10) .