

Turbocharger oil pipe: Removal - Refitting

K9K

II - OPERATION FOR REMOVAL OF PART CONCERNED

❑ Remove:

- the turbocharger oil return pipe bolts on the turbocharger,
- the turbocharger oil return pipe by extracting it from the cylinder block.

REFITTING THE TURBOCHARGER OIL RETURN PIPE

I - REFITTING PREPARATION OPERATION

- ❑ **parts always to be replaced: turbocharger oil pipe seal (10,09,03,05)**
- ❑ Oil the turbocharger oil return pipe O-ring.

II - REFITTING OPERATION FOR PART CONCERNED

- ❑ Refit new seals on the turbocharger oil return pipe.
- ❑ Fit the turbocharger oil return pipe, first positioning it in the cylinder block.
- ❑ Torque tighten the **turbocharger oil return pipe bolts (12 N.m)**.

III - FINAL OPERATION

K9K, and 750 or 752 or 760 or 762 or 764 or 766 or 768

- ❑ Refit the catalytic converter (see **19B, Exhaust, Catalytic converter: Removal - Refitting**, page **19B-27**) .

K9K, and 772

- ❑ Refit the catalytic pre-converter (see **19B, Exhaust, Catalytic pre-converter: Removal - Refitting**, page **19B-21**) .

❑ Refit:

- the lower engine tie-bar (see **19D, Engine mounting, Lower engine tie-bar: Removal - Refitting**, page **19D-13**) ,
- the engine undertray,

- the scuttle panel grille (see **Scuttle panel grille: Removal - Refitting**) (56A, Exterior equipment),
- the engine cover.

- ❑ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).

Check

- ❑ Disconnect the crankshaft position sensor connector.
- ❑ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ❑ Run the starter motor until the oil pressure warning light goes out (wait for a few seconds).
- ❑ Switch off the ignition.
- ❑ Make sure that there are no oil leaks.
- ❑ Connect the **Diagnostic tool** and clear the stored faults.
- ❑ Connect the crankshaft position sensor connector.

TURBOCHARGING

Intercooler: Removal - Refitting

12B

K9K – D4F, and 784

Equipment required

cleaning trough
parts washer
compressed air nozzle

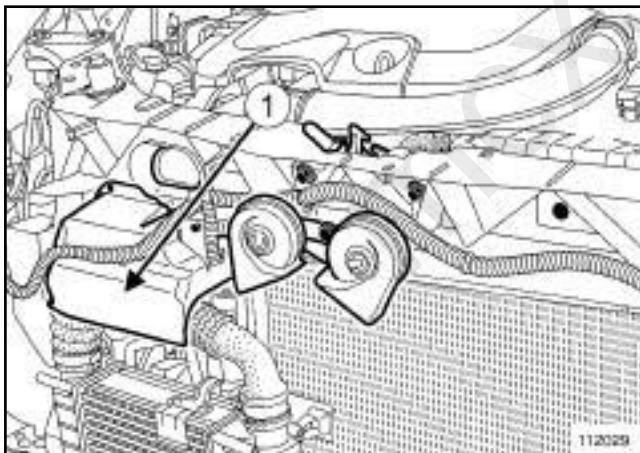
Note:

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

REMOVAL

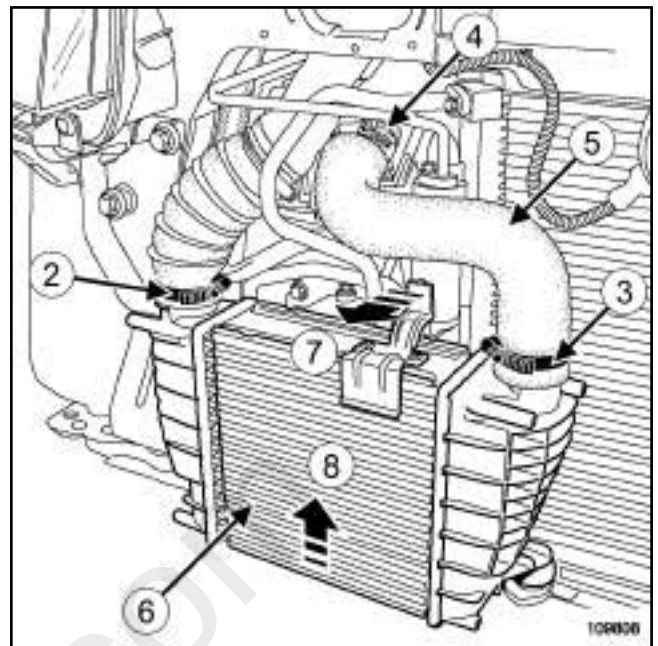
I - REMOVAL PREPARATION OPERATION

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Remove:
 - the front wheel arch liners (see **Front wheel arch liner: Removal - Refitting**) (55A, Exterior protection).
 - the front bumper (see **Front bumper: Removal - Refitting**) (55A, Exterior protection).



- ☐ Remove the air deflector (1) from the intercooler.

II - OPERATION FOR REMOVAL OF PART CONCERNED



- ☐ Loosen the clips (2) , (3) and (4) of the intercooler air inlet and outlet pipes.

Note:

Whenever the clip (3) of the intercooler air outlet pipe is removed, only the flexible part (5) of the pipe must be replaced.

- ☐ Disconnect the intercooler air inlet and outlet pipes.
- ☐ Move aside the intercooler air inlet and outlet pipes.
- ☐ Remove the flexible part of the intercooler outlet pipe (5) .
- ☐ Remove the intercooler (6) in the direction of the arrows (7) and (8) .

REFITTING

I - REFITTING PREPARATION OPERATION

- ☐ Check that the intercooler is not full of oil. If it is, clean it with a **cleaning trough** or with a **parts washer** then dry it with a **compressed air nozzle**.

II - REFITTING OPERATION FOR PART CONCERNED

- ☐ Refit the flexible part of the intercooler air outlet pipe.
- ☐ Tighten the clip (4) of the flexible part of the intercooler air outlet pipe.