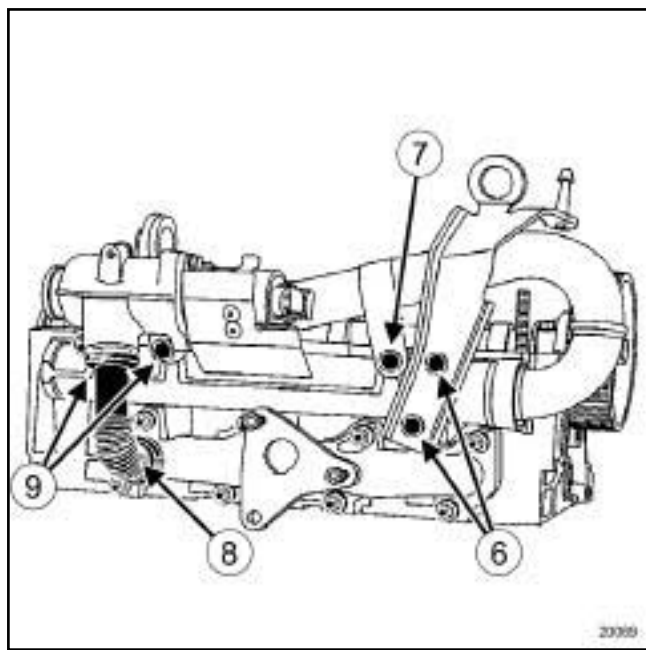


K9K, and 750 or 752

II - OPERATION FOR REMOVAL OF PART CONCERNED



20069

❑ Remove:

- the bolts (6) from the engine lifting eye,
- the engine lifting eye,
- the bolt (7) from the air inlet metal tube,
- the air inlet metal tube,
- the clips of the exhaust gas recirculation pipe using the (Mot. 1567),
- the exhaust gas recirculation rigid pipe (8) ,
- the bolts (9) from the EGR mounting,
- the EGR mounting.

REFITTING

I - REFITTING OPERATION FOR PART CONCERNED

❑ Refit:

- the EGR mounting,
- the bolts to the EGR mounting.

❑ Torque tighten the **bolts for the EGR mounting (21 Nm)**.

❑ Refit:

- the exhaust gas recirculation rigid pipe,
- the clips of the exhaust gas recirculation pipe using the (Mot. 1567),

- the air inlet metal tube,
- the air inlet metal tube bolt,
- the engine lifting eye,
- the engine lifting eye bolts,

❑ Torque tighten:

- the **air inlet metal tube bolt (21 Nm)**,
- the **engine lifting eye bolts (21 Nm)**.

II - FINAL OPERATION.

❑ Refit the turbocharger outlet air pipe.

❑ Torque tighten the **turbocharger outlet air pipe clips (5.5 Nm)**.

❑ Connect:

- the vacuum pipe between the air pressure sensor and the turbocharger outlet air pipe,
- the vacuum pipe between the turbocharger regulation valve and the turbocharger outlet air pipe,
- the air temperature sensor connector .

❑ Refit the EGR solenoid valve (see **14A, Antipollution, Exhaust gas recirculation solenoid valve: Removal - Refitting**, page **14A-3**) .

❑ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).

K9K, and 764 or 766 or 768 or 772

Special tooling required

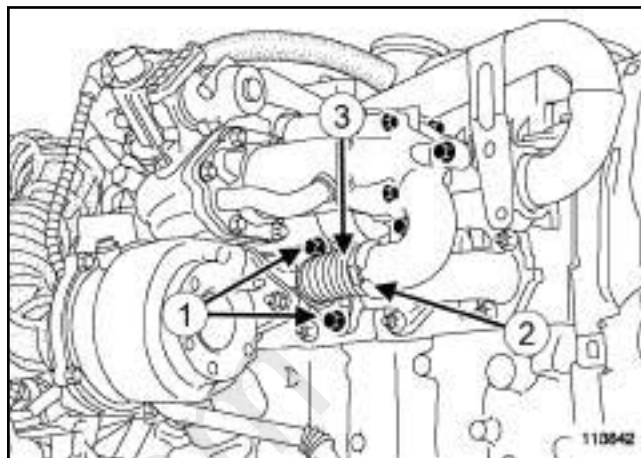
Mot. 1567 Remote pliers for exhaust gas recirculation pipe clamps.

Tightening torques

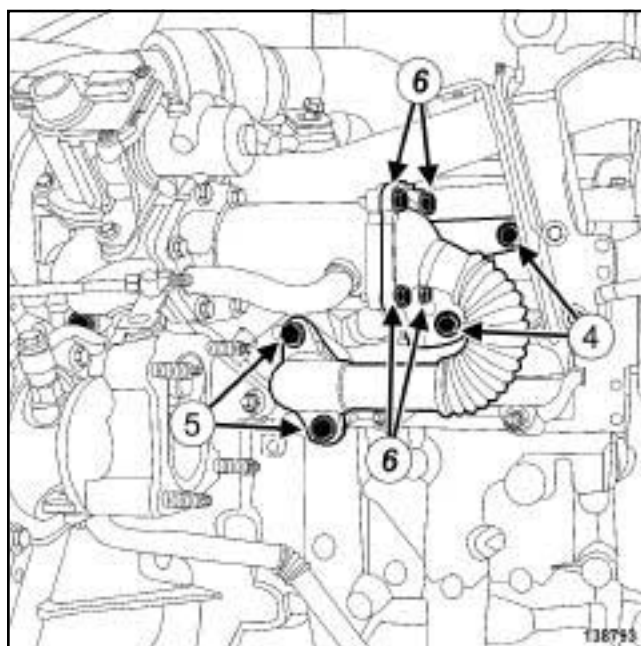
rigid pipe bolts on the exhaust manifold	36 N.m
bolt of the clip on the rigid pipe	5 N.m
rigid pipe bolts on the exhaust manifold	36 N.m
bolts of the rigid pipe on the cylinder head	25 N.m
bolts of the rigid pipe on the exhaust gas cooler	12 N.m

REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (MR 392, 02A, Lifting equipment).
- ☐ Remove the engine style cover.
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Remove:
 - the scuttle panel grille (see **Scuttle panel grille: Removal - Refitting**) (MR 393, 56A, Exterior equipment),
 - the engine undertray,
 - the engine tie-bar (see **19D, Engine mounting, Lower engine tie-bar: Removal - Refitting**, page **19D-13**),
 - the catalytic converter (see **19B, Exhaust, Catalytic converter: Removal - Refitting**, page **19B-27**) (K9K/760,762,764,766,768),
 - the catalytic pre-converter (see **19B, Exhaust, Catalytic pre-converter: Removal - Refitting**, page **19B-21**) (K9K772).

II - OPERATION FOR REMOVAL OF PART CONCERNED**1 - First fitting of the exhaust gas cooler recirculation assembly**☐ Remove:

- the mounting bolts (1) from the rigid exhaust gas recirculation pipe,
- the snap-fit clamp (2) using the (**Mot. 1567**),
- the rigid exhaust gas recirculation pipe (3).

2 - Second fitting of the exhaust gas cooler recirculation assembly☐ Remove:

- the bolts (4) of the rigid pipe bracket from the cylinder head,

Exhaust gas recirculation rigid pipe: Removal - Refitting

K9K, and 764 or 766 or 768 or 772

- the bolts (5) of the rigid pipe on the exhaust manifold then discard them in the waste bin,
- the bolts (6) of the rigid pipe on the exhaust gas cooler,
- the rigid pipe and its seal then discard them in the waste bin.

REFITTING

I - REFITTING PREPARATION OPERATION

- ☐ All the bearing faces must be carefully cleaned.

II - REFITTING OPERATION FOR PART CONCERNED

☐ Refit:

- the new rigid exhaust gas recirculation pipe with a new seal,
- the new exhaust gas recirculation pipe mounting bolts.

1 - First fitting of the exhaust gas cooler recirculation assembly

- ☐ **parts always to be replaced: Exhaust gas recirculation rigid pipe (11,07,01,08)parts always to be replaced: exhaust gas recirculation pipe bolt (11,07,01,18)parts always to be replaced: Exhaust gas recirculation pipe clip (11,07,01,14)**
- ☐ Refit the new rigid pipe, equipped with new bolts on the manifold, a new seal on the manifold and a new clip.

Note:

The Parts Department only supplies clips for the rigid pipe with a tangential bolt.

- ☐ Adjust the rigid pipe in its location by screwing, without tightening, the bolts on the manifold and centring the rigid pipe on the EGR support at the timing end.
- ☐ Torque tighten:
 - the **rigid pipe bolts on the exhaust manifold (36 N.m)**,
 - the **bolt of the clip on the rigid pipe (5 N.m)**.

2 - Second fitting of the exhaust gas cooler recirculation assembly

- ☐ **parts always to be replaced: Exhaust gas recirculation rigid pipe (11,07,01,08)parts always to be replaced: exhaust gas recirculation pipe bolt (11,07,01,18)parts always to be replaced: Exhaust gas recirculation pipe seal (11,07,01,15)**

- ☐ Fit the new rigid pipe equipped with a new seal and new bolts on the manifold.

- ☐ Fit without tightening:

- the bolts of the rigid pipe on the exhaust gas recirculation cooler,
- the bolts of the rigid pipe on the manifold,
- the bolts of the rigid pipe on the cylinder head.

- ☐ Torque tighten:

- the **rigid pipe bolts on the exhaust manifold (36 N.m)**,
- the **bolts of the rigid pipe on the cylinder head (25 N.m)**,
- the **bolts of the rigid pipe on the exhaust gas cooler (12 N.m)**.

III - FINAL OPERATION

- ☐ Refit:

- the catalytic pre-converter (see **19B, Exhaust, Catalytic pre-converter: Removal - Refitting**, page **19B-21**) (K9K/772),
- the catalytic converter (see **19B, Exhaust, Catalytic converter: Removal - Refitting**, page **19B-27**) (K9K/760,762,764,766,768),
- the 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**) (MR 393, 56A, Exterior equipment).

- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).

- ☐ Refit the engine style cover.