

Exhaust gas recirculation unit: Removal - Refitting

K9K

II - OPERATION FOR REFITTING PART CONCERNED

- ☐ Refit the exhaust gas recirculation unit assembly.
- ☐ Torque tighten the **EGR unit assembly mounting bolts (25 N.m)**.

III - FINAL OPERATION

- ☐ Refit the mounting bolts of the exhaust gas inlet pipe.
- ☐ Torque tighten the **exhaust gas inlet pipe bolts (35 N.m)**.
- ☐ Refit:
 - the air inlet metal tube,
 - the lifting bracket on the timing end.
- ☐ Torque tighten the **mounting bolts of the lifting bracket on the timing end (10 N.m)**.
- ☐ Refit:
 - the catalytic converter (see **19B, Exhaust, Catalytic converter: Removal - Refitting**, page **19B-27**) (MR 392, 19B, Exhaust),
 - the coolant circulation cover.
- ☐ Torque tighten the **coolant circulation cover mounting bolts (10 N.m)**.
- ☐

WARNING

Ensure that the water inlet and outlet hoses of the exhaust gas cooler are correctly aligned so that they are not kinked.

- ☐ Refit the damper valve (see **12A, Fuel mixture, Damper valve: Removal - Refitting**, page **12A-31**) (MR 392, 12A, Fuel mixture).
- ☐ Connect the exhaust gas recirculation solenoid valve connector.
- ☐ Refit:
 - the air inlet duct clip on the damper valve,
 - the oil vapour rebreathing pipe,
 - the water chamber (see **19A, Cooling, Water chamber: Removal - Refitting**, page **19A-63**) (MR 392, 19A, Cooling),
 - the scuttle panel grille (see **Scuttle panel grille: Removal - Refitting**) (MR 393, 56A, Exterior equipment).
- ☐ Loosen the mounting nut of the air pipe at the inter-cooler inlet.

- ☐ Fit the air duct between the turbocharger and the inter-cooler air inlet pipe.
- ☐ Lock the air duct onto the turbocharger and the inter-cooler 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 N.m)**.
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery) (MR 392, 80A, Battery).
- ☐ Remove the engine undertray.
- ☐ Fill and bleed the cooling circuit (see **19A, Cooling, Cooling system: Draining - Refilling**, page **19A-16**) (MR 392, 19A, Cooling).
- ☐ Use the diagnostic tool to clear any faults which may be stored by the computer before restarting the engine.

Exhaust gas recirculation mounting: Removal - Refitting

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To remove/refit the exhaust gas recirculation mountings (see **14A, Antipollution, Exhaust gas cooler: Removal - Refitting**, page **14A-7**) .

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Special tooling required

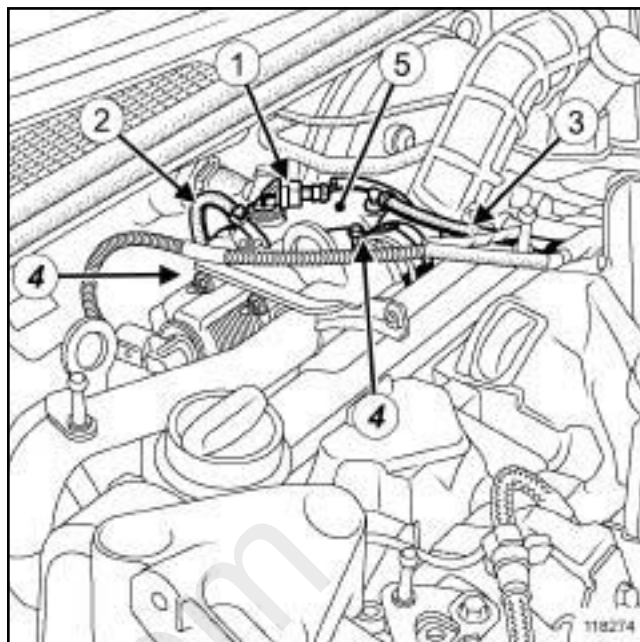
Mot. 1567 Remote pliers for exhaust gas recirculation pipe clamps.

Tightening torques

bolts for the EGR mounting	21 Nm
air inlet metal tube bolt	21 Nm
engine lifting eye bolts	21 Nm
turbocharger outlet air pipe clips	5.5 Nm

REMOVAL**I - REMOVAL PREPARATION OPERATION**

- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (MR 392, 80A, Battery).
- ☐ Remove the EGR solenoid valve (see **14A, Antipollution, Exhaust gas recirculation solenoid valve: Removal - Refitting**, page 14A-3) .



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☐ Disconnect:

- the air temperature sensor connector (1) ,
- the vacuum pipe (2) between the turbocharger regulation valve and the turbocharger outlet air pipe,
- the vacuum pipe (3) between the air pressure sensor and the turbocharger outlet air pipe.

☐ Loosen the turbocharger outlet air pipe clips (4) .☐ Remove the turbocharger outlet air pipe (5) .