

K9K, and 796

- ☐ Use **GREY ABRASIVE PADS** (see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - Products) to clean the joint faces of the exhaust gas cooler mounting at the gearbox end.

WARNING

Do not scrape the joint faces of the aluminium, any damage caused to the joint face will result in a risk of leaks.

- ☐ Use **SURFACE CLEANER** (see **Vehicle: Parts and consumables for the repair**) (04B, Consumables - Products) to clean and degrease:
 - the housing of the coolant circulation cover seals,
 - the exhaust gas cooler mounting joint faces on the gearbox end,
 - the housing of each air inlet metal tube seal,
 - the housing of the turbocharger air outlet pipe seal,
 - the housing of the air inlet metal tube in the cylinder head,
 - the housing of the air inlet metal tube in the exhaust gas cooler mounting on the gearbox end.

WARNING

To ensure proper sealing, the gasket surfaces must be clean, dry and not greasy (avoid any finger marks).

II - REFITTING OPERATION

- ☐ Proceed in the reverse order to removal.
- ☐ Torque tighten:
 - the **bolts of the exhaust gas recirculation assembly (21 N.m)**,
 - the **bolts on the « timing end lifting eye - air inlet metal tube assembly » (10 N.m)**.
- ☐ Fill and bleed the cooling system (see **19A, Cooling, Cooling system: Draining - Refilling**, page **19A-6**).

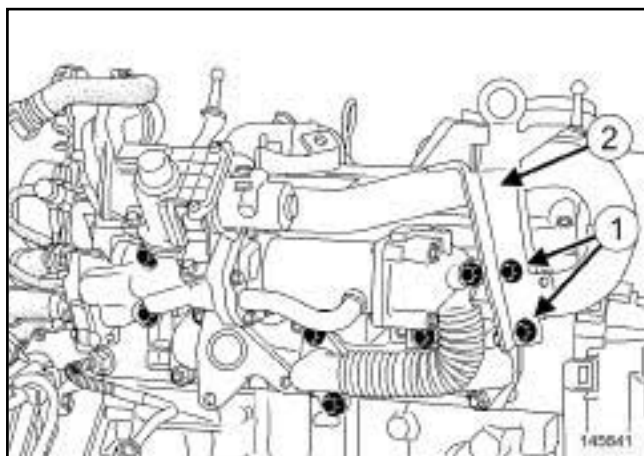
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Tightening torques 	
bolts of the exhaust gas recirculation rigid pipe bracket on the cylinder head	21 N.m
bolts of the exhaust gas recirculation rigid pipe on the exhaust manifold	36 N.m
bolts of the exhaust gas recirculation rigid pipe on the exhaust gas recirculation assembly	12 N.m
lifting eye bolts	10 N.m

REMOVAL

I - REMOVAL PREPARATION OPERATION

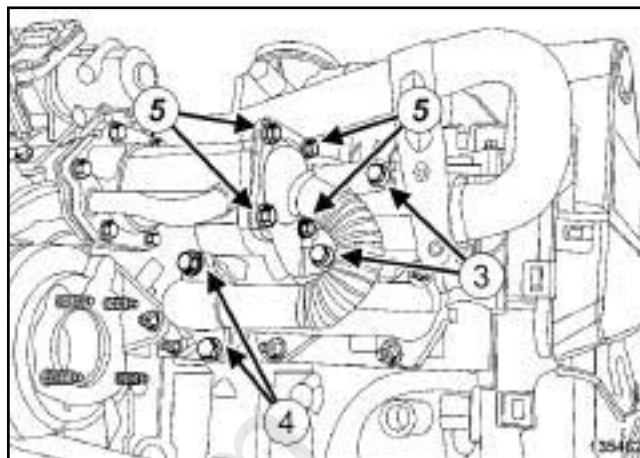
- ☐ Position the vehicle on a two-post lift (see **Vehicle: Towing and lifting**) (02A, Lifting equipment).
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Remove:
 - the engine cover,
 - the air filter unit (see **12A, Fuel mixture, Air filter unit: Removal - Refitting**, page 12A-6) ,
 - the engine undertray.
- ☐ Remove the catalytic converter (see **19B, Exhaust, Catalytic converter: Removal - Refitting**, page 19B-10) .



- ☐ Remove:
 - the bolts (1) from the lifting eye at the timing end,

- the timing end lifting eye (2) ,

II - REMOVAL OPERATION



- ☐ Remove:
 - the bolts (3) of the exhaust gas recirculation rigid pipe bracket from the cylinder head,
 - the bolts (4) of the exhaust gas recirculation rigid pipe from the exhaust manifold,
 - the bolts (5) of the exhaust gas recirculation rigid pipe from the exhaust gas recirculation rigid pipe,
 - the exhaust gas recirculation rigid pipe,
 - the seal between the exhaust gas rigid pipe and the exhaust gas manifold,
 - the seal between the exhaust gas recirculation rigid pipe and the exhaust gas cooler.

REFITTING

I - REFITTING PREPARATION OPERATION

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WARNING

Do not scrape the joint faces of the aluminium, any damage caused to the joint face will result in a risk of leaks.