

K9K, and 796

☐ Clean using **ABRASIVE PADS** :

- the joint face of the exhaust gas recirculation assembly,
- the exhaust manifold seal face.

WARNING

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

☐ Use **SURFACE CLEANER** (see) (04B, Consumables - Products) and **CLEAN CLOTHS** to degrease:

- the exhaust manifold joint face,
- the joint face of the exhaust gas recirculation assembly.

☐ **parts always to be replaced: Exhaust gas recirculation rigid pipe.**

☐ **parts always to be replaced: Exhaust gas recirculation pipe seal.**

☐ **parts always to be replaced: exhaust gas recirculation pipe bolt**

II - REFITTING OPERATION

☐ Proceed in the reverse order to removal.

☐ Torque tighten:

- the **bolts of the exhaust gas recirculation rigid pipe bracket on the cylinder head (21 N.m)**,
- the **bolts of the exhaust gas recirculation rigid pipe on the exhaust manifold (36 N.m)**,
- the **bolts of the exhaust gas recirculation rigid pipe on the exhaust gas recirculation assembly (12 N.m)**,
- the **lifting eye bolts (10 N.m)**.

STARTING - CHARGING

Alternator: Removal - Refitting

16A

K9K

Tightening torques

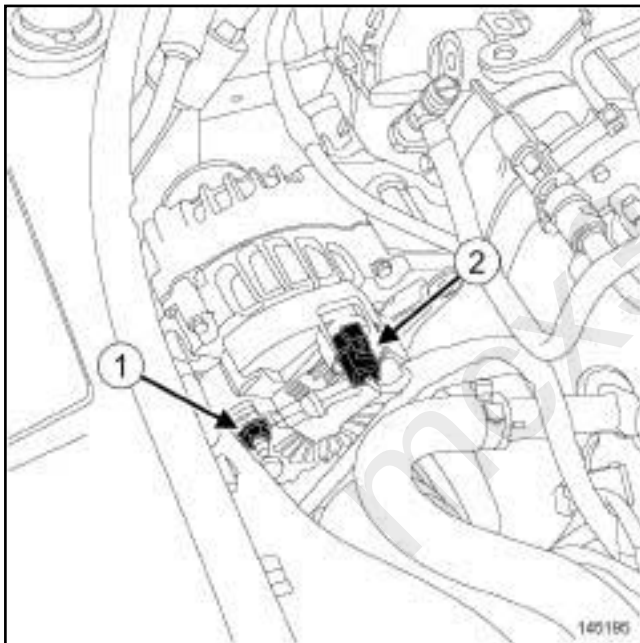
alternator bolts	21 N.m
alternator lead nut	14 N.m

REMOVAL

I - REMOVAL PREPARATION OPERATION

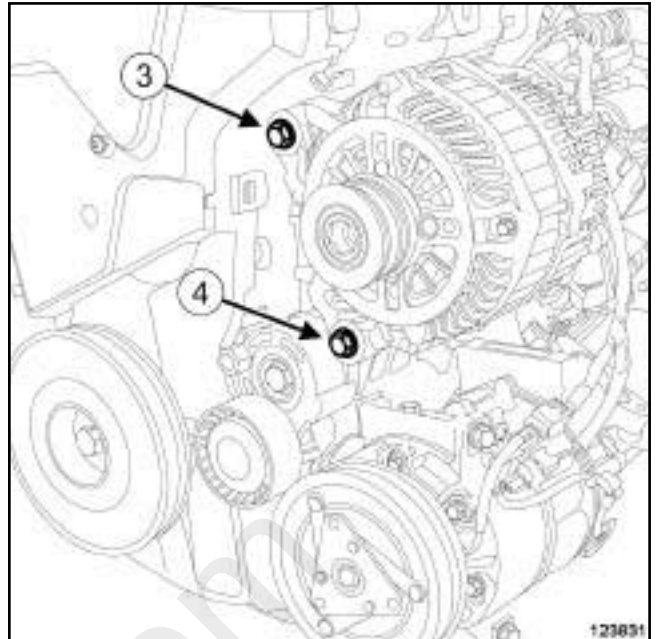
- ☐ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ☐ Remove the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) .

II - REMOVAL OPERATION



145195

- ☐ Remove:
 - the alternator lead nut (1) ,
 - the lead from the alternator.
- ☐ Disconnect the connector (2) .

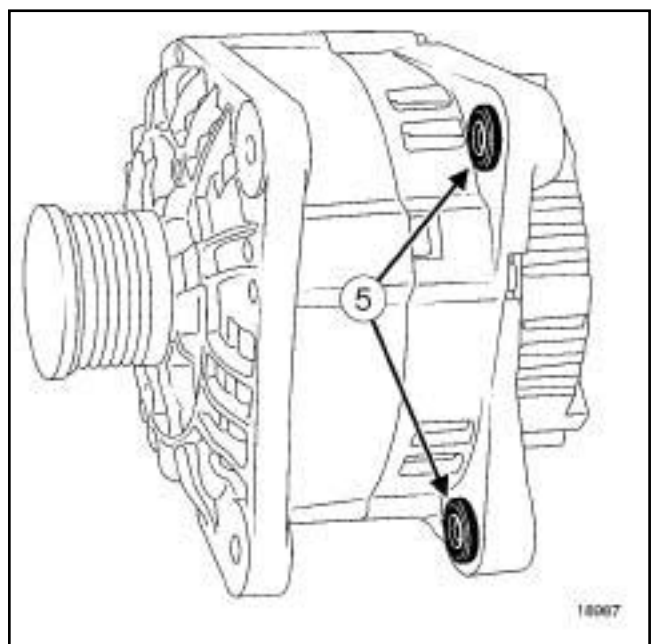


123831

- ☐ Remove the alternator upper bolt (3) .
- ☐ Loosen the alternator lower bolt (4) .
- ☐ Remove the alternator with its lower bolt.

REFITTING

I - REFITTING PREPARATION OPERATION



18987

- ☐ Push in the alternator rings (5) to facilitate fitting.

STARTING - CHARGING

Alternator: Removal - Refitting

16A

K9K

II - REFITTING OPERATION

- ☐ Refit:
 - the alternator with its lower bolt,
 - the alternator upper bolt.
- ☐ Torque tighten the **alternator bolts (21 N.m)**.
- ☐ Connect the connector to the alternator.
- ☐ Refit the alternator lead.
- ☐ Torque tighten the **alternator lead nut (14 N.m)**.

III - FINAL OPERATION

- ☐ Refit the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting, page 11A-2**).
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).

STARTING - CHARGING

Alternator: Removal - Refitting

16A

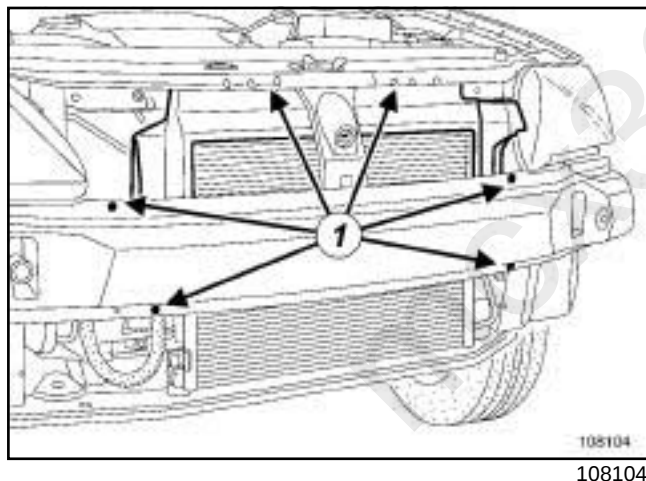
K4M, and POWER ASSISTED STEERING, and AIR CONDITIONING

Tightening torques 	
alternator bolts	21 N.m
alternator lead nut	14 N.m

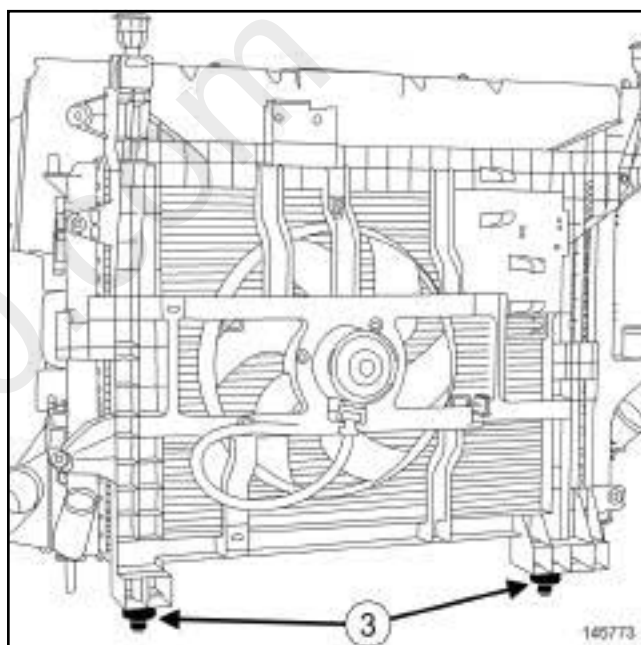
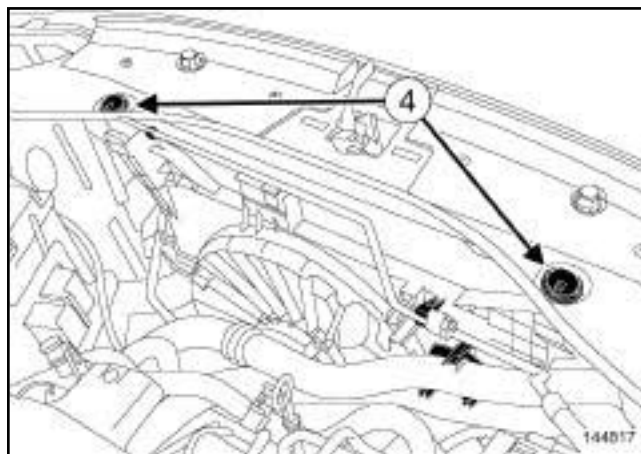
REMOVAL

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 front bumper (see **Front bumper: Removal - Refitting**) (55A, Exterior protection),
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page **11A-2**) .



- ☐ Remove:
 - the air deflector mounting pins (1) ,
 - the air deflector.



- ☐ Remove the upper mountings (4) from the engine cooling fan assembly (see **19A, Cooling, Engine cooling fan assembly: Removal - Refitting**, page **19A-27**) .
- ☐ Extract the « engine cooling fan - cooling radiator - condenser » assembly from its lower mountings (3) and slide it to the left.

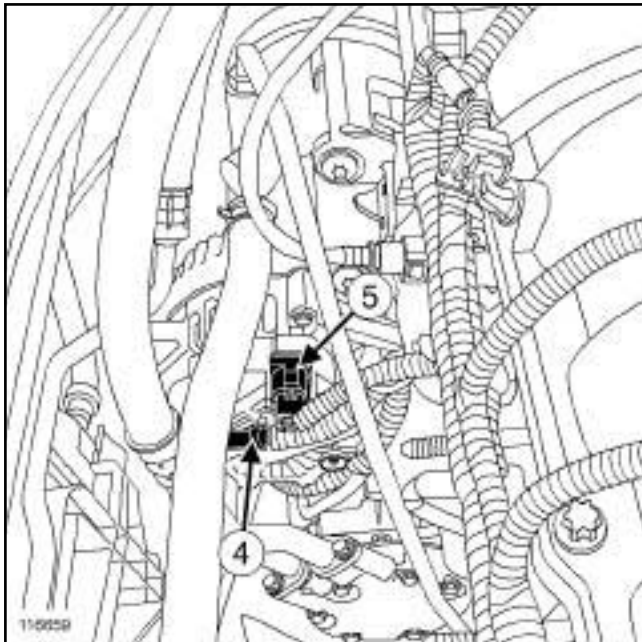
STARTING - CHARGING

Alternator: Removal - Refitting

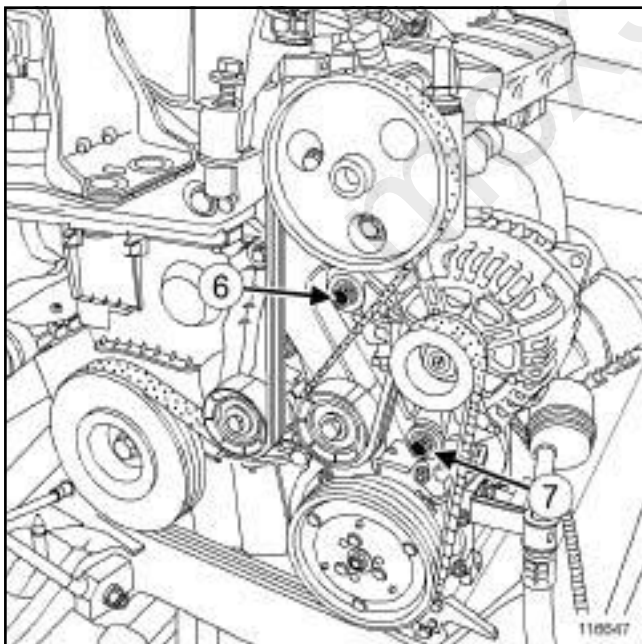
16A

K4M, and POWER ASSISTED STEERING, and AIR CONDITIONING

II - REMOVAL OPERATION



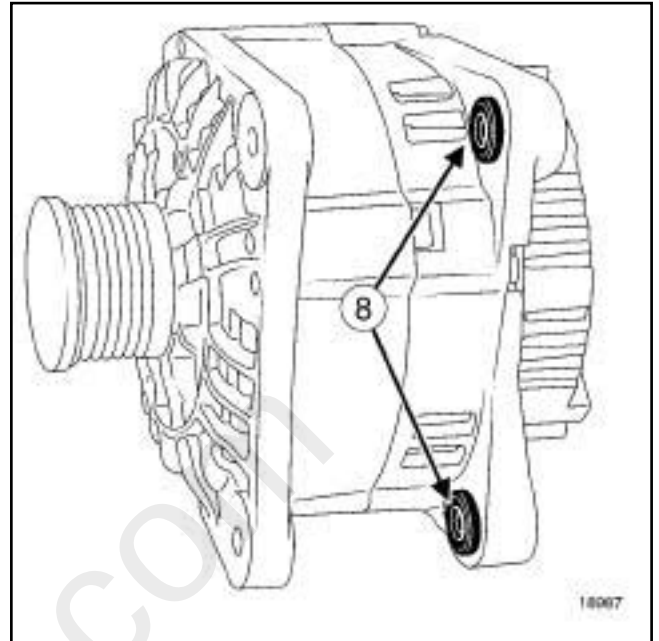
- ☐ Remove:
 - the alternator lead nut,
 - the alternator lead (4) .
- ☐ Disconnect the alternator connector (5) .



- ☐ Remove the alternator upper bolt (6) .
- ☐ Loosen the alternator lower bolt (7) .
- ☐ Move the alternator away from the multifunction support using a screwdriver.
- ☐ Remove the alternator and its lower mounting bolt.

REFITTING

I - REFITTING PREPARATION OPERATION



- ☐ Push the rings (8) to make fitting easier.

II - REFITTING OPERATION

- ☐ Refit the alternator.
- ☐ Torque tighten the **alternator bolts (21 N.m)**.
- ☐ Connect the connector to the alternator.
- ☐ Refit:
 - the lead to the alternator,
 - the alternator lead nut.
- ☐ Torque tighten the **alternator lead nut (14 N.m)**.

III - FINAL OPERATION

- ☐ Slide the « engine cooling fan - cooling radiator - condenser » assembly to the right and fit it in its lower mountings.
- ☐ Refit the upper mountings of the engine cooling fan assembly (see **19A, Cooling, Engine cooling fan assembly: Removal - Refitting, page 19A-27**) .
- ☐ Refit:
 - the air deflector,
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting, page 11A-2**) ,

STARTING - CHARGING

Alternator: Removal - Refitting

16A

K4M, and POWER ASSISTED STEERING, and AIR CONDITIONING

- the front bumper (see **Front bumper: Removal - Refitting**) (55A, Exterior protection).
- ☐ Connect the battery (see **Battery: Removal - Refitting**) (80A, Battery).

mcx30.com

STARTING - CHARGING

Alternator: Removal - Refitting

16A

K4M, and STANDARD HEATING RECIRCULATION

Tightening torques 	
alternator bolts	21 N.m
positive terminal nut on the alternator	14 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 front right-hand wheel (see **Wheel: Removal - Refitting**) (35A, Wheels and tyres),
 - the accessories belt (see **11A, Top and front of engine, Accessories belt: Removal - Refitting**, page 11A-2) .

IMPORTANT

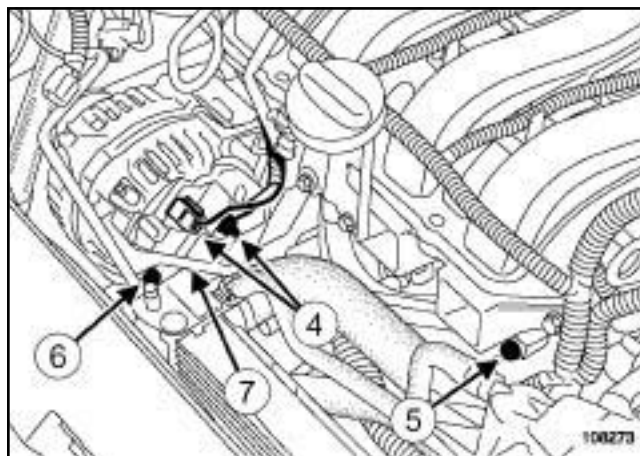
During this operation, be sure to:

- refrain from smoking or bringing red hot objects close to the working area,
- be careful of fuel splashes when disconnecting the union.

WARNING

To avoid any corrosion or damage, protect the areas on which fuel is likely to run.

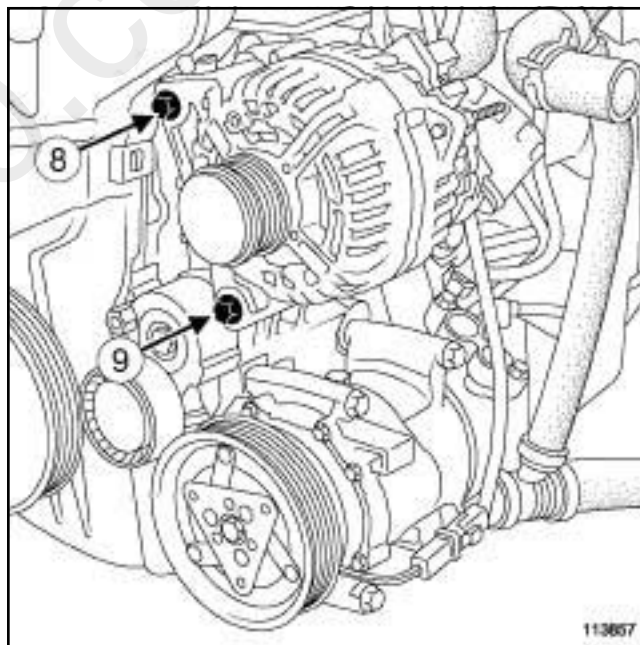
- ☐ Disconnect the fuel supply pipe union **(3)** on the injector rail.



108273

- ☐ Disconnect the alternator's electrical connections **(4)**.
- ☐ Move aside the alternator wiring.

II - REMOVAL OPERATION



113857

- ☐ Remove the alternator upper bolt **(8)** .
- ☐ Loosen the alternator lower bolt **(9)** .
- ☐ Move the alternator away from the multifunction support using a screwdriver.
- ☐ Remove the alternator with its lower bolt upwards.