

## ALTERNATOR:REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Tightening torques	
alternator strut bolt on the alternator	25 N.m
alternator strut bolt on the cylinder block	25 N.m
alternator bolts	25 N.m
nut for the positive terminal of the alternator	21 N.m



### WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions [Vehicle: Precautions for the repair](#)



### WARNING

Wear cut-resistant gloves during the operation.

## REMOVAL

### 1. REMOVAL PREPARATION OPERATION

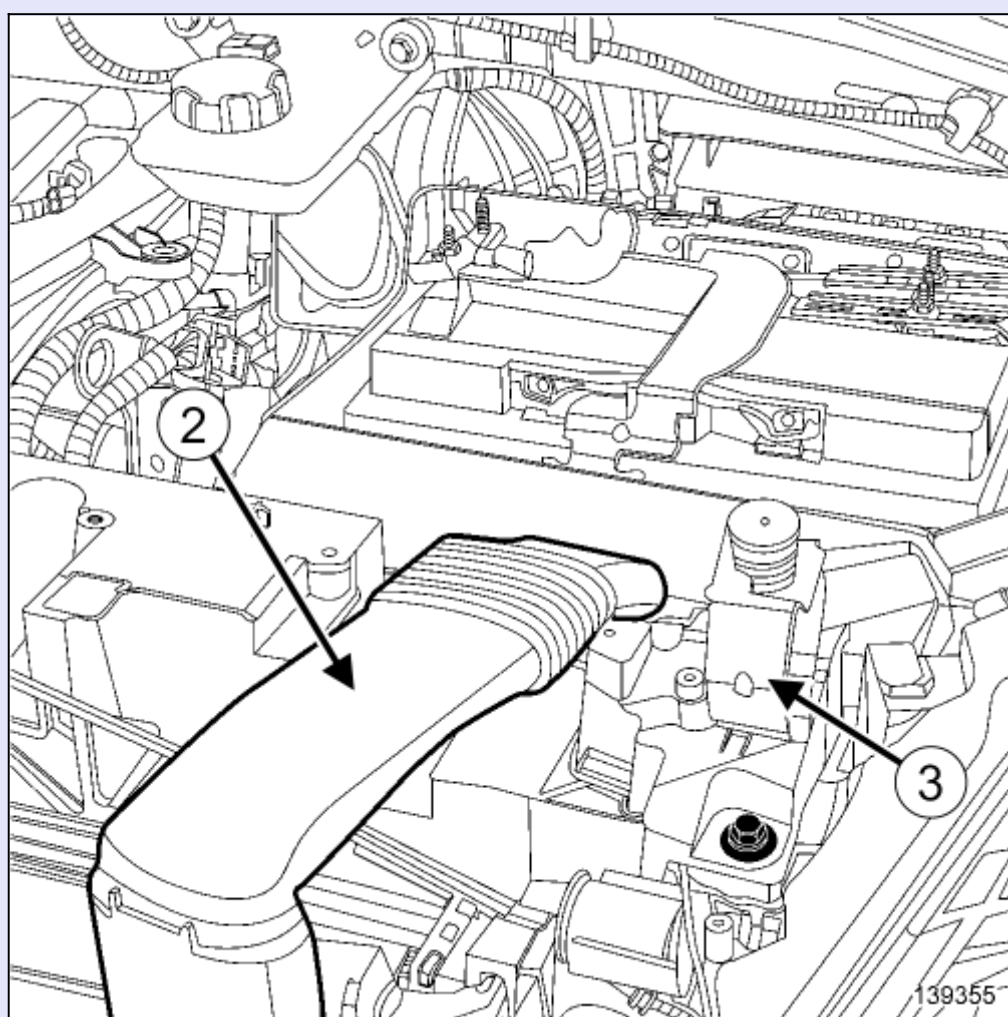
- ❑ Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) (02A, Lifting equipment).
- ❑ Disconnect the battery (see **Battery: Removal - Refitting**) (80A, Battery).
- ❑ Remove the front engine cover.
- ❑ Remove:
  - the front wheels [Wheel: Removal - Refitting](#) (35A, Wheels and tyres),
  - the front section of the front wheel arch liners [Front wheel arch liner: Removal - Refitting](#) (55A, Exterior protection).
- ❑ Remove:
  - the engine undertray bolts,
  - the engine undertray,
  - the accessories belt [Accessories belt: Removal - Refitting](#) .

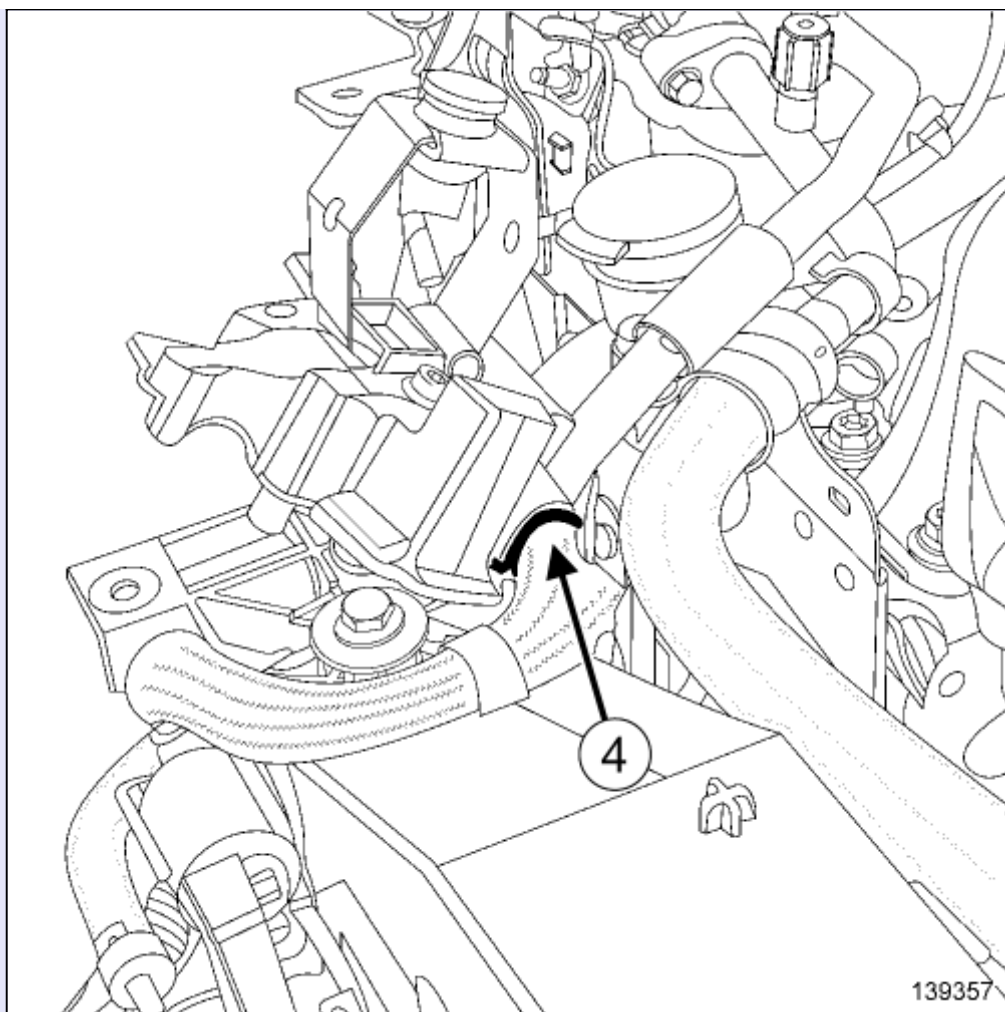
❏ Remove:

- the front bumper [Front bumper: Removal - Refitting](#) (55A, Exterior protection),
- the headlights (80B, Headlights).

**B95 D95 E95 K95 (B95 OR D95 OR E95 OR K95)**

❏ Remove the front bumper supports [Front bumper mounting: Removal - Refitting](#) (42A, Front upper structure).





☐ Unclip:

- the air duct(2) between the protective housing of the injection computer and the air deflector of the cooling radiator,
- the expansion bottle degassing hose(4) from the right-hand bonnet support.

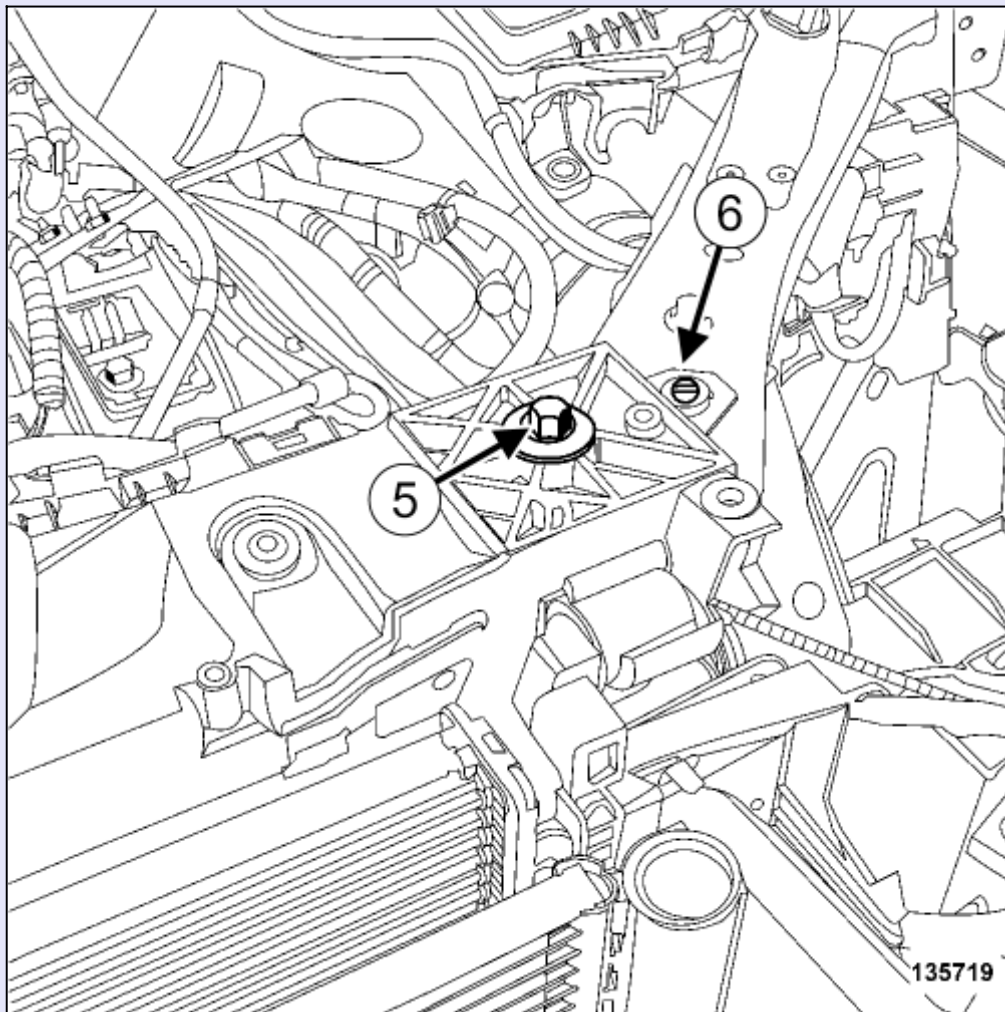
☐ Remove the bonnet supports(3) .

☐ Remove:

- the air deflectors,
- the audible warning [Audible warning: Removal - Refitting](#) (82B, Horn),
- the front impact cross member [Front impact cross member: Removal - Refitting](#) (41A, Front lower structure),
- the bonnet catch [Bonnet lock: Removal - Refitting](#) (52A, Non-side opening element mechanisms),
- the engine harness channel.

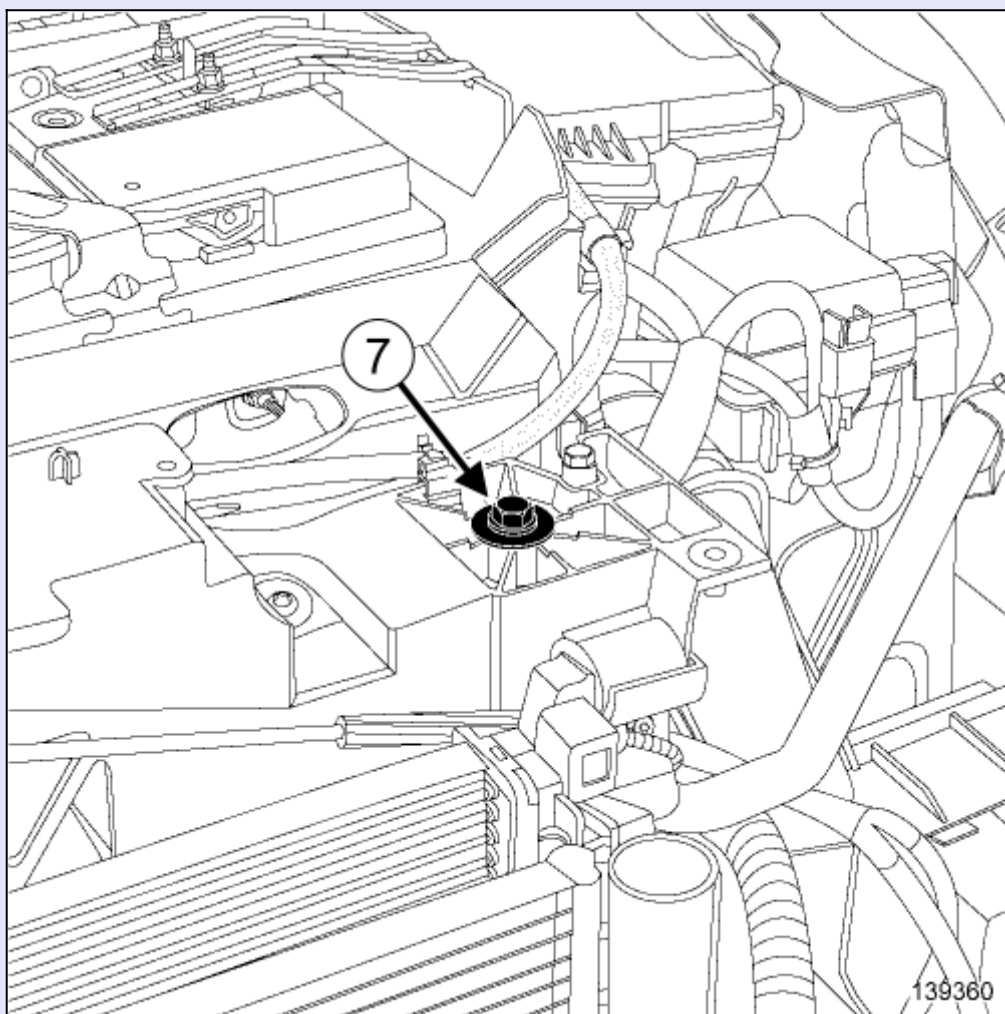
☐ Unclip the hoses from the cooling fan assembly.

B95 D95 E95 K95(B95 OR D95 OR E95 OR K95)

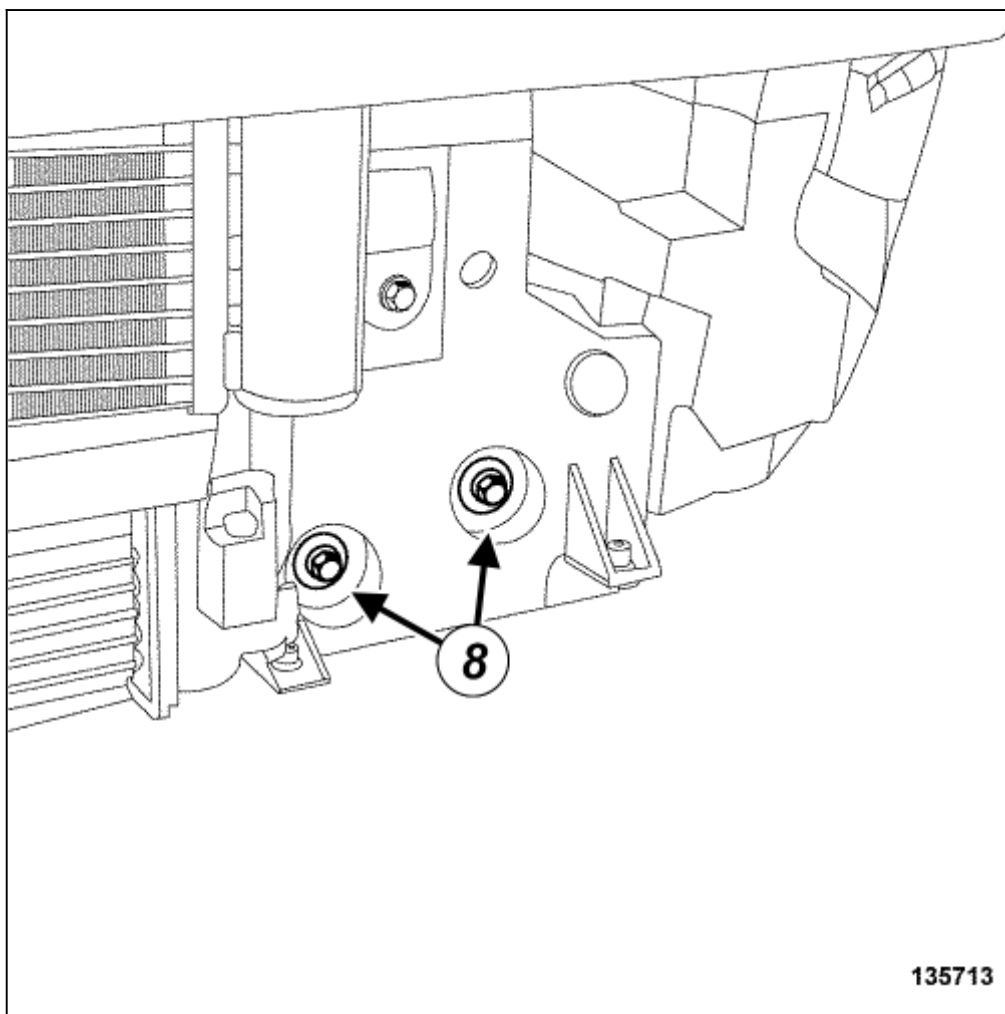


■ Remove:

- the upper bolts(5) from the front end panel,
- the front end panel upper clips(6) .



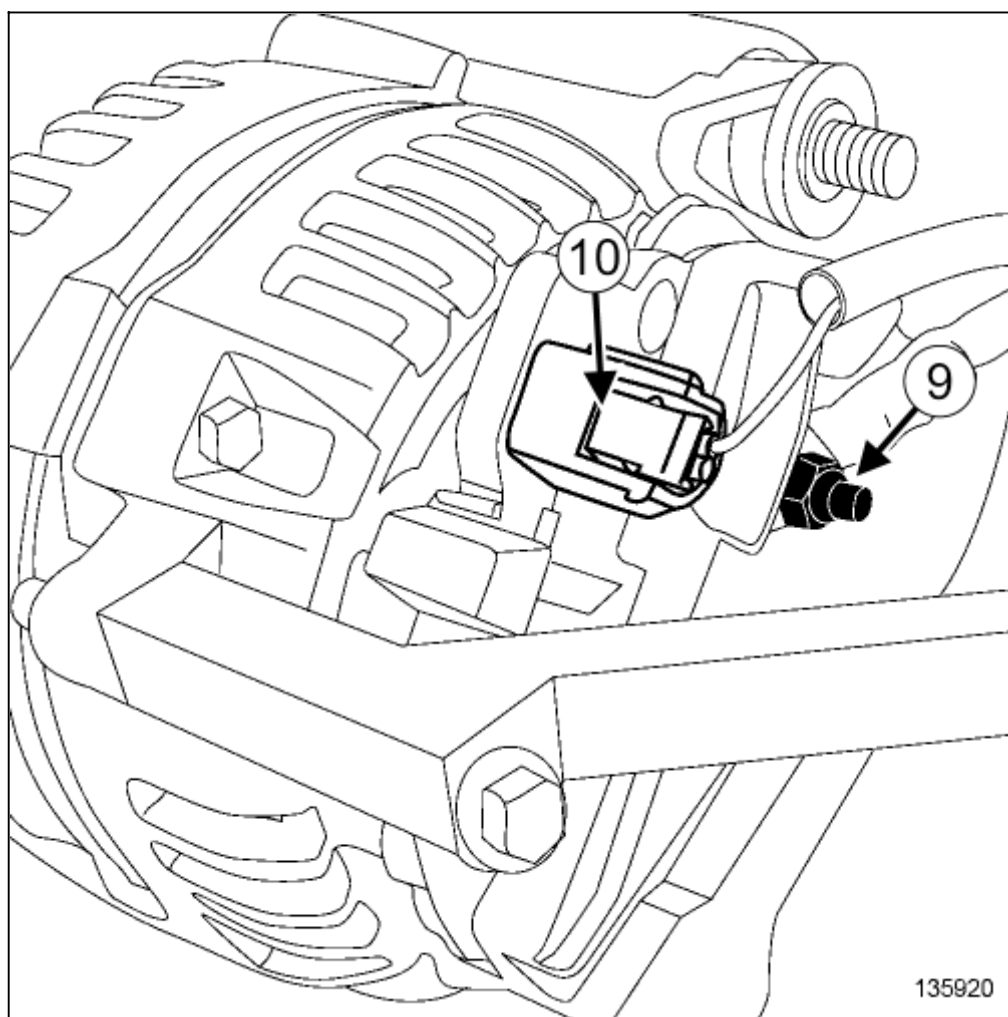
- ❑ Remove the upper bolts from the front end panel.



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- Remove the lower bolts(8) from the front end panel.
- Move aside the front end panel.

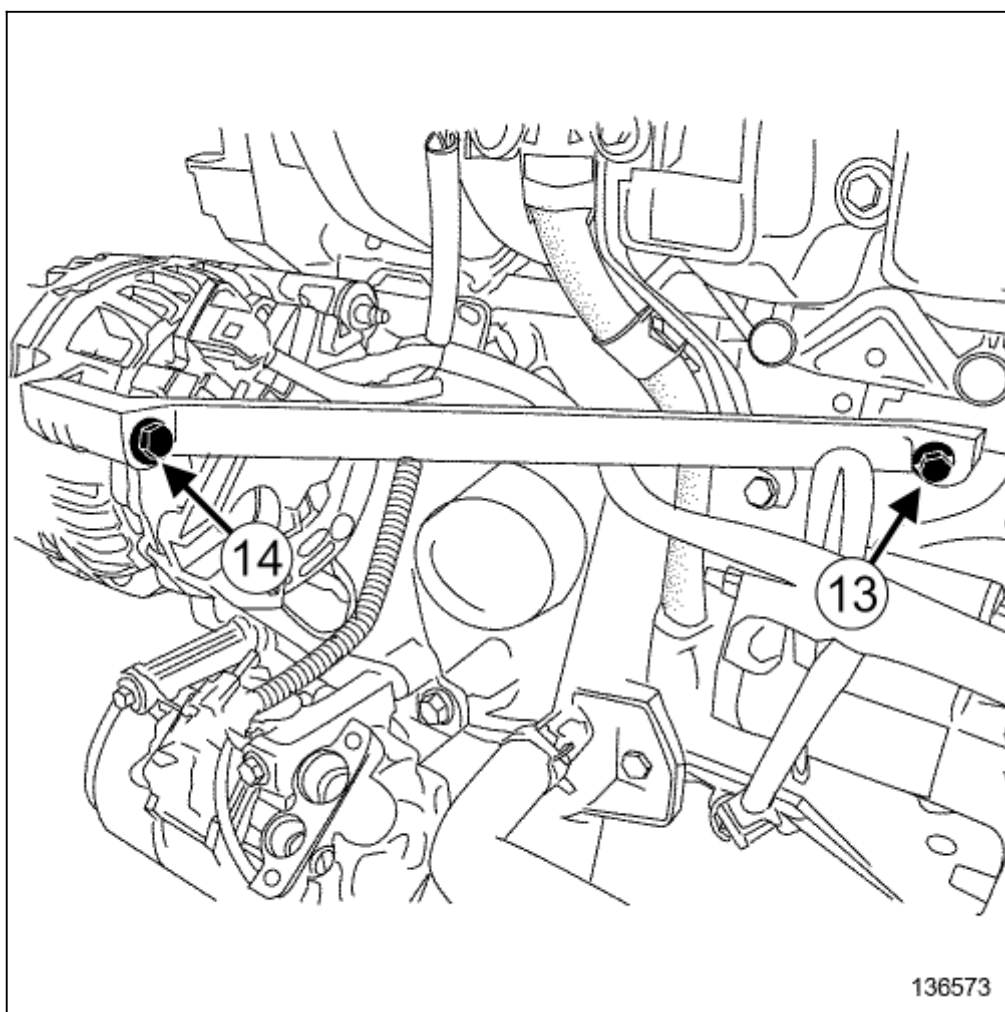
## 2. OPERATION FOR REMOVAL OF PART CONCERNED



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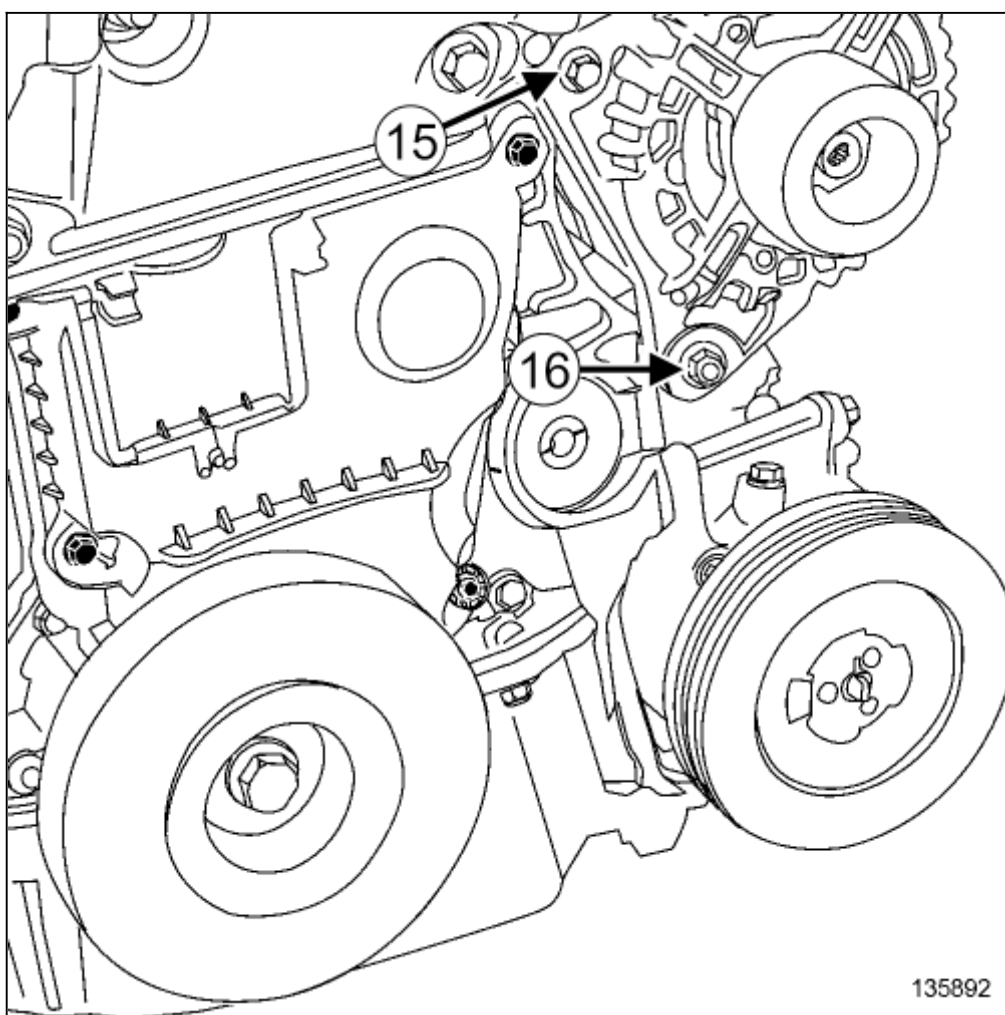
- Remove the nut(9) on the alternator positive terminal.
- Disconnect the alternator connector(10) .
- Move aside the alternator wiring.





■ Remove:

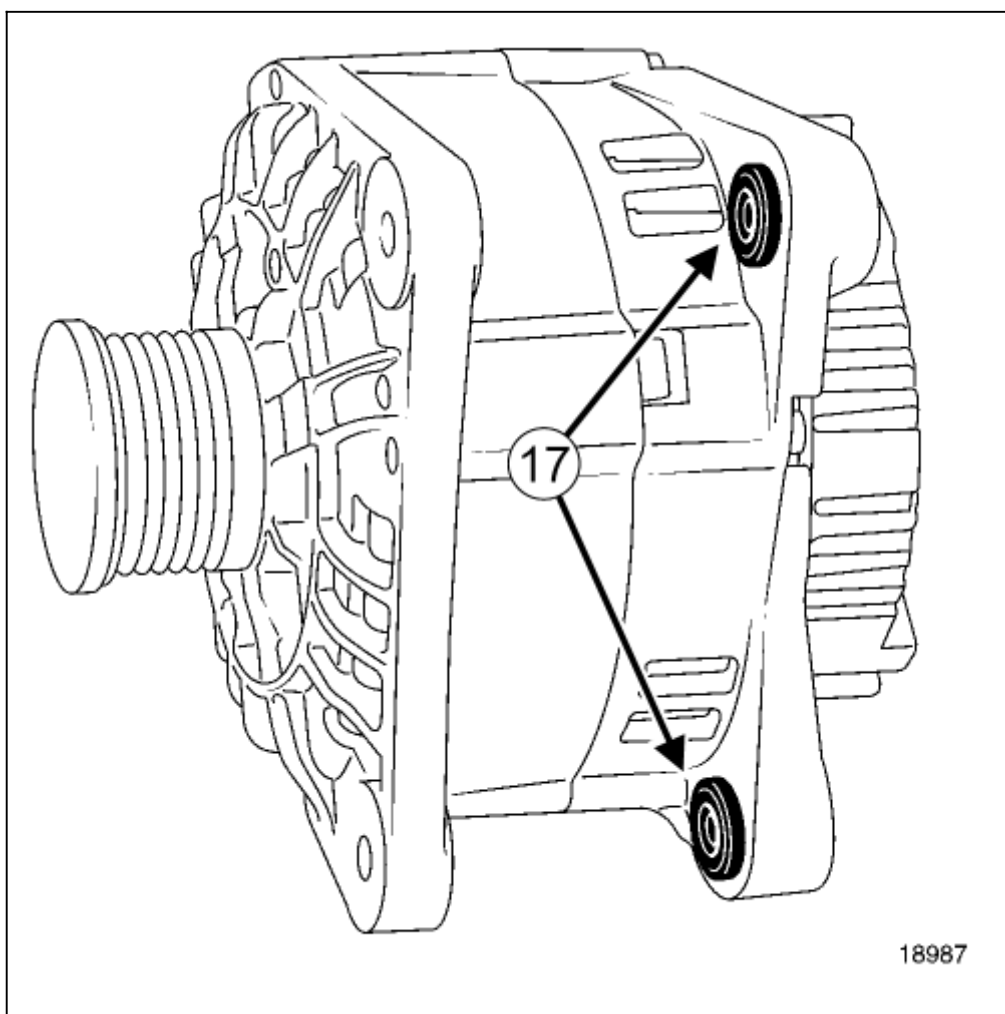
- the alternator strut bolt(13) from the cylinder block,
- the alternator strut bolt(14) from the alternator,
- the alternator strut.



- Remove the alternator bolt(15) .
- Loosen but do not remove the alternator bolt(16) .
- Move the alternator away from the multifunction support using a screwdriver.
- Remove the alternator.

## REFITTING

### 1. REFITTING PREPARATION OPERATION



Compress the alternator rings(17) using pliers or a vice to facilitate fitting.

## 2. REFITTING OPERATION FOR PART CONCERNED



Refit the alternator.



Torque tighten the alternator bolts 25 N.m.



Refit the alternator strut.



Refit:



the alternator strut bolt on the cylinder block,

the alternator strut bolt on the alternator.



Torque tighten:



the alternator strut bolt on the alternator 25 N.m,

the alternator strut bolt on the cylinder block 25 N.m.



Position the wiring on the alternator.



Connect the connector to the alternator.



Refit the wiring on the alternator positive terminal.



Torque tighten the nut for the positive terminal of the alternator 21 N.m.

### 3. FINAL OPERATION



Fit the front end panel.



Refit:



the lower bolts on the front end panel,

the upper bolts on the front end panel.

**B95 D95 E95 K95(B95 OR D95 OR E95 OR K95)**



Refit the upper clips on the front end panel.



Clip the hoses on the cooling fan assembly.



Refit:



the engine wiring channel on the cooling fan assembly,



the bonnet catch [Bonnet lock: Removal - Refitting](#) (52A, Non-side opening element mechanisms),



the front impact cross member [Front impact cross member: Removal - Refitting](#) (41A, Front lower structure),



the audible warning [Audible warning: Removal - Refitting](#) (82B, Horn).

**B95 D95 E95 K95(B95 OR D95 OR E95 OR K95)**



Refit the front bumper supports [Front bumper mounting: Removal - Refitting](#) (42A, Front upper structure).



Refit:



the headlights(80B, Headlights),



the air deflectors.

**J95(J95)**



Clip on:



the air duct between the protective housing of the injection computer and the air deflector of the cooling radiator,



the expansion bottle degassing hose on the right-hand bonnet support.



Refit the bonnet supports.



Refit the front bumper [Front bumper: Removal - Refitting](#) (55A, Exterior protection).



Refit:



the accessories belt [Accessories belt: Removal - Refitting](#) ,



the engine undertray.



Refit:



the front section of the front wheel arch liners [Front wheel arch liner: Removal - Refitting](#) (55A, Exterior protection),



the front wheels [Wheel: Removal - Refitting](#) (35A, Wheels and tyres).



Refit the engine cover.



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



[Repair-32x02x01-01x37-1-139-1.xml](#)



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