

DESCRIPTION & OPERATION

Battery and Cables

The battery has been designed specifically for Jaguar. It provides the high output which is required for this vehicle, but with a substantial saving in weight. It is a low maintenance battery, located on the right hand side of the luggage compartment floor.

The negative (Ground) lead is connected to the vehicle body. The positive lead is connected to a high power protection module; from here power is connected to the starter motor and distributed to other systems on the vehicle.

The high power protection module comprises three fuses, each of 250A capacity. Two fuses are connected in parallel to provide protection for the starter circuit. The third one provides high level protection for fusebox supply circuits.

PDU is unable to diagnose the overall condition of the battery - only that it is present and supplying battery voltage to the system.

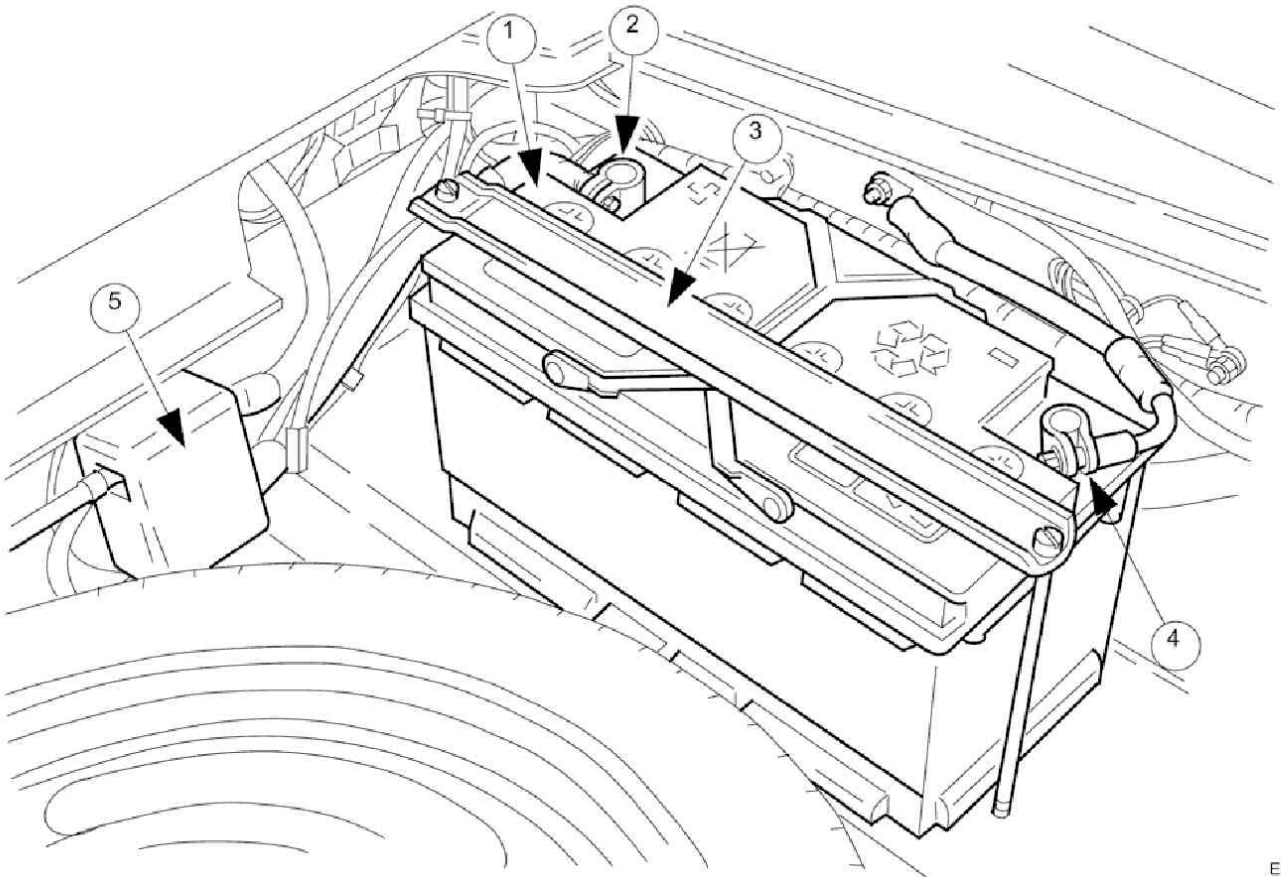
To test the battery, follow the test procedure described in Section <<414-02>> Generator and Regulator of this Manual.

Although these tests will not actually test the battery, they will confirm that the generator, regulator and connecting cables are working correctly and that consequently, the battery may be at fault.

Alternatively, the tests may indicate that the fault lies in the generator, regulator or wiring and not in the battery.

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Battery



E33300

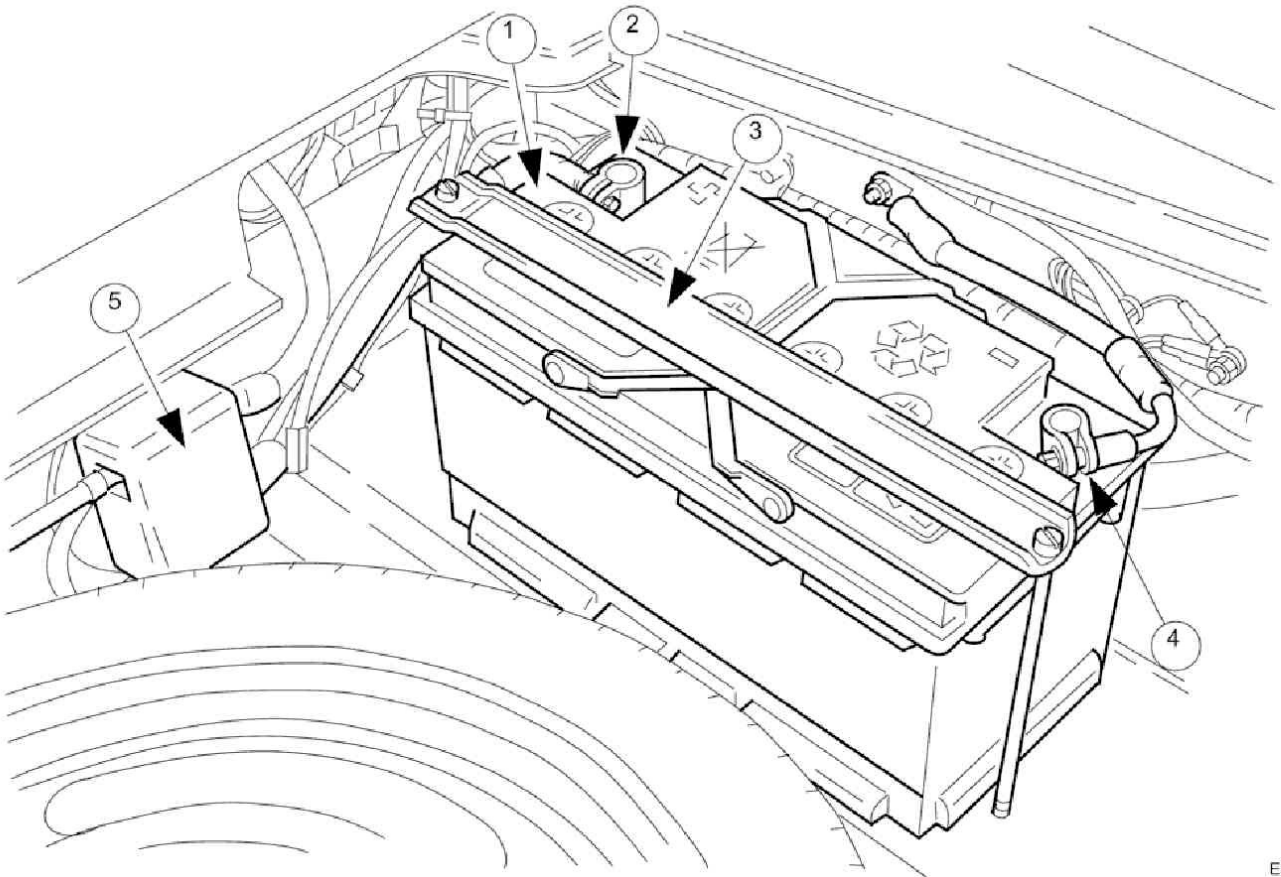
Parts List

Item	Description
1	Battery
2	Positive Lead
3	Battery Hold-Down Clamp
4	Negative (Ground) Lead
5	High Power Protection Module (Fuses)

Battery 86.15.01

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Battery



E33300

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4	Negative (Ground) Lead
5	High Power Protection Module (Fuses)

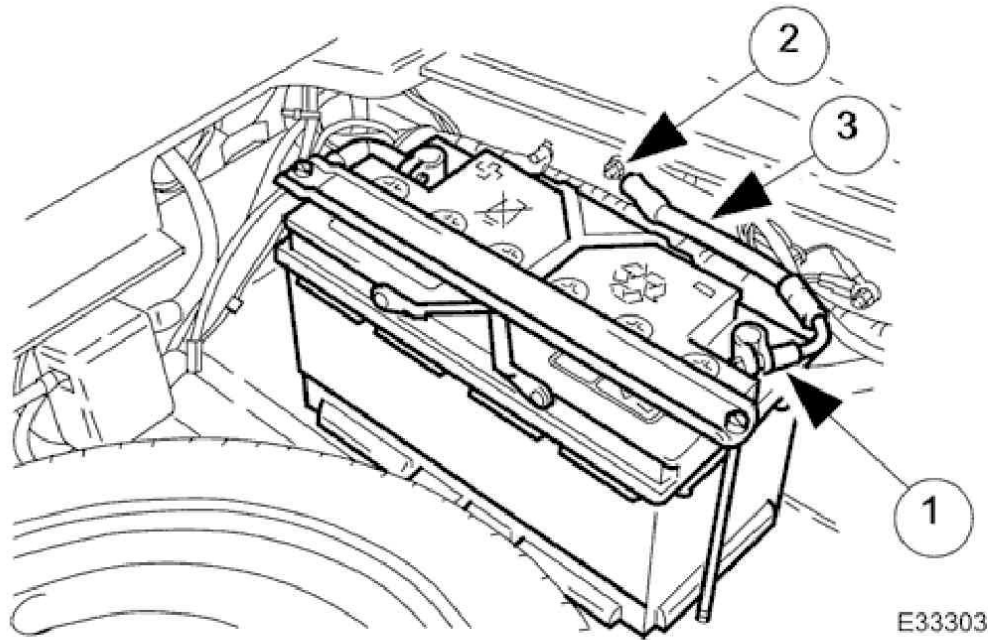
Battery 86.15.01

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Battery Ground Cable 86.15.19

Removal

1. Remove the luggage compartment floor panel (when standard size spare wheel is supplied) and the cover from the battery.



2. Remove the negative lead.
 - Reposition the front edge of the side trim for access to the ground stud.
 1. Slacken the clamp of the negative lead at the battery terminal. Disconnect the negative lead from the battery terminal.
 2. Remove the nut from the ground stud.
 3. Remove the negative lead.

1. Installation is the reverse of removal.

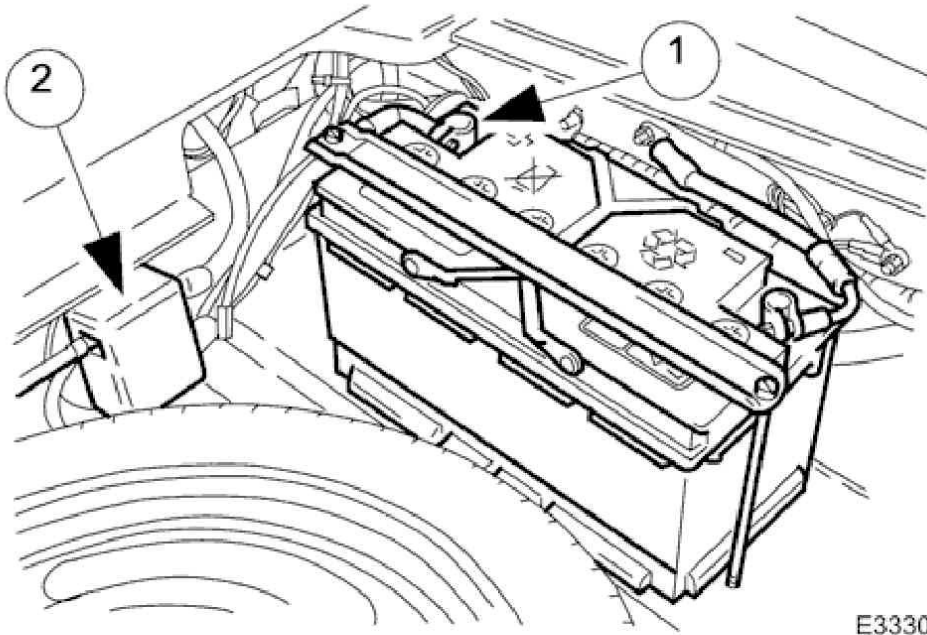
Perform the Battery Reconnection Procedure described in this section.

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Battery Positive Cable 86.15.17

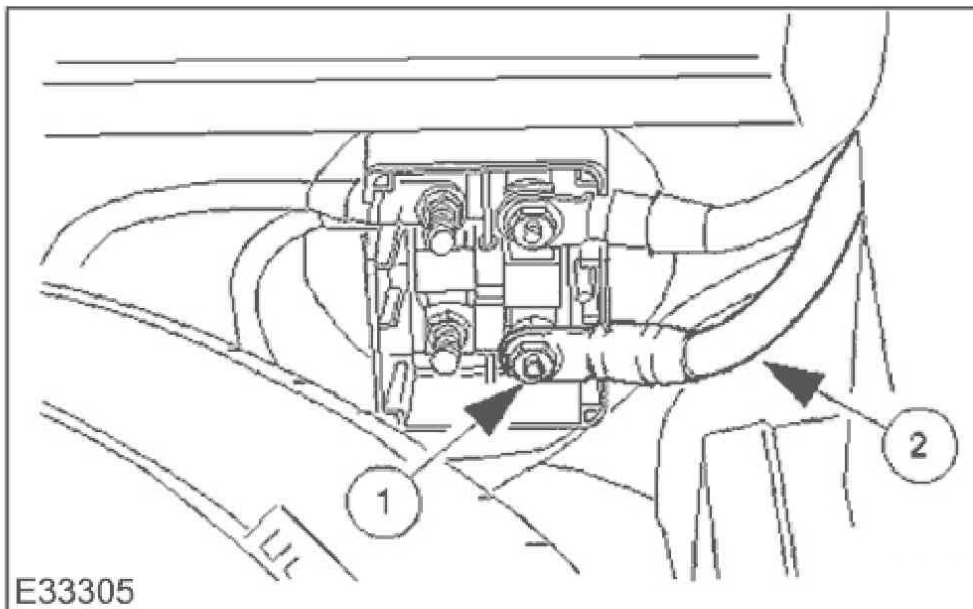
Removal

1. Remove the luggage compartment floor panel (when standard size spare wheel is supplied) and the cover from the battery.



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2. Disconnect the positive lead.
 1. Slacken the clamp of the positive lead at the battery terminal. Disconnect the positive lead from the battery terminal.
 2. Remove the cover from the high power protection module for access to the positive supply stud.



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3. Remove the positive lead.
 1. Remove the nut from the positive supply stud.
 2. Remove the positive lead.

1. Installation is the reverse of removal.

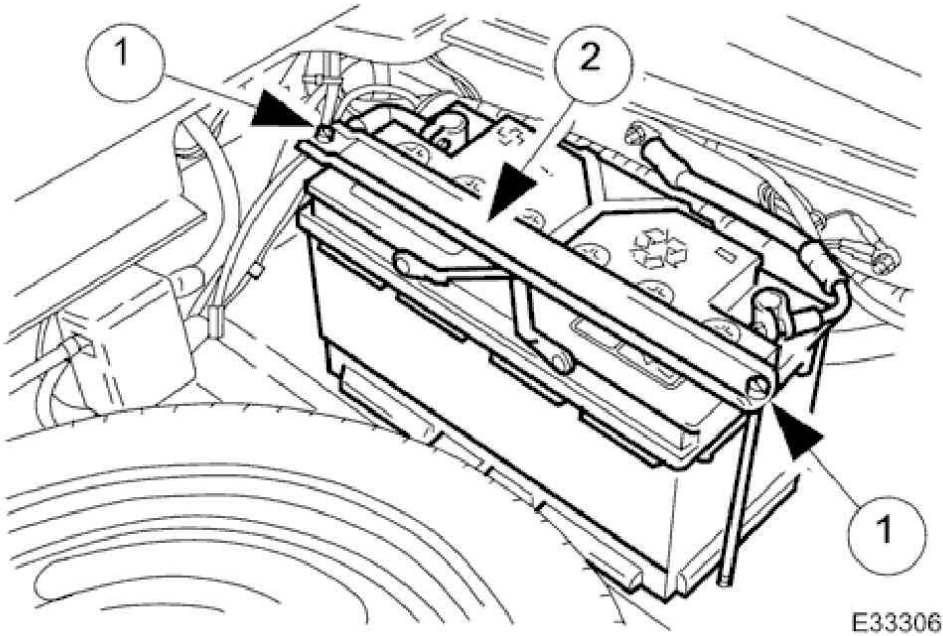
Perform the Battery Reconnection Procedure described in this section.

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Battery Retaining Bracket 86.15.12

Removal

1. Remove the luggage compartment floor panel (when standard size spare wheel is supplied) and the cover from the battery.
2. Disconnect the battery terminal ground cable.



3. Remove the battery hold-down clamp.
 1. Remove the two bolts which secure the battery hold-down clamp.
 2. Remove the hold-down clamp.

1. Installation is the reverse of removal.

Perform the Battery Reconnection Procedure described in this section.

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Battery Connect

1. **NOTE:**

Whether one, or both, cables are disconnected, a minimum of 30 seconds MUST elapse between disconnection of the FIRST cable and reconnection of the LAST cable. A clean final connection must be made; do not allow temporary contact.

Connect the battery terminal(s).

2. Reset the clock.

3. Enter the radio security code. If necessary, refer to the Sound System Handbook.