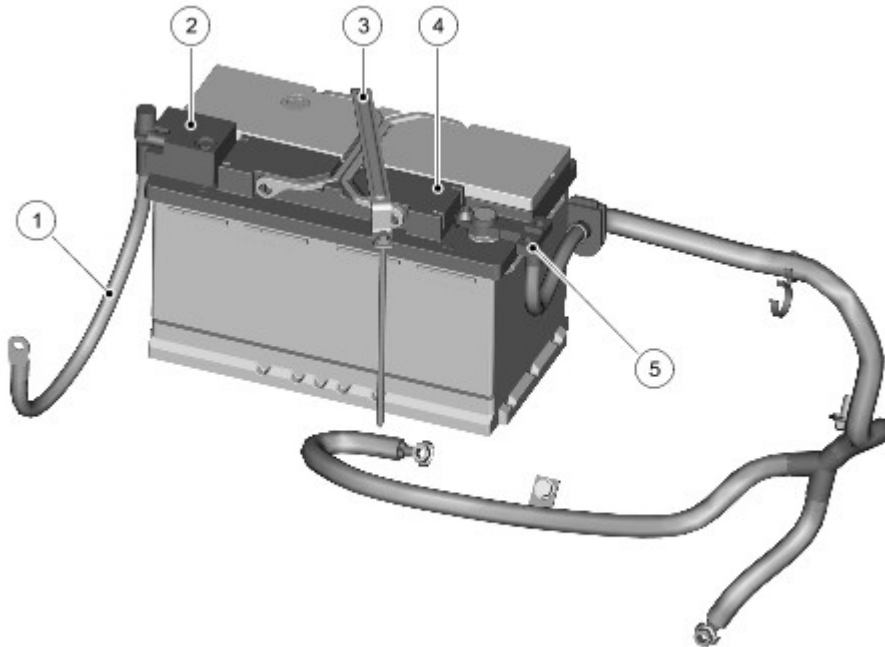


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Battery and Cables



E50138

Item	Part Number	Description
1	-	+VE battery cable
2	-	Battery
3	-	Clamp
4	-	Transit relay
5	-	-VE battery cable

GENERAL

The battery is located between the bulkhead and the secondary bulkhead, in a protective box, on the passenger side. It sits in a tray and is secured with clamp plates and bolts.

The battery terminal posts allow for the battery cables to be connected with clamp type connections. The battery positive terminal uses a pyrotechnic attachment, which detaches the battery cable in the event of a crash of a severity to trigger the airbags. For additional information, refer to [Air Bag and Safety Belt Pretensioner Supplemental Restraint System \(SRS\)](#) (501-20B Supplemental Restraint System)

All models are fitted with Delphi lead-calcium, maintenance free battery. Each battery is similar in construction with the battery rating varying according to application. There are two different battery sizes:

- H7 - All petrol variants H8 - TdV6
 - H8 - TdV6

The battery uses 'calcium expanded' technology, which has both positive and negative plates with grids expanded from a strip lead-calcium alloy.

The battery is semi-sealed. Each casing has a vent to allow for thermal expansion and to vent oxygen and hydrogen gases, which are produced under certain charging conditions.

The battery incorporates an integral, temperature compensated hydrometer to provide a visual indication of the relative density and level of the electrolyte. The indicator shows different colours to show battery condition as follows:

- GREEN – shows that the battery is charged and in a serviceable condition
- DARK (turning to black) – shows that the battery is in a low state of charge and requires recharging
- CLEAR or YELLOW – the battery is no longer serviceable and must be replaced.

If the battery shows CLEAR or YELLOW the battery has an internal fault. Do not attempt to charge or jump-start the vehicle with the battery in this condition.

When removing the battery, ensure that the alarm is disarmed and that the ignition is switched off. Always disconnect the negative terminal first and then the positive terminal. When refitting the battery, always fit the positive terminal first followed by the negative terminal.

If the battery requires recharging, always use an approved constant current charger, designed for lead-calcium batteries. DO NOT use a fast charger, permanent damage to the battery may occur.

Delivery Mode

The vehicle is fitted with a transit relay. This is a disposable device and **NOT** for use by the customer. This relay fits in series with the battery and ground; it disconnects the battery from the vehicle's ground and thus eliminates quiescent current during delivery. The relay must be removed before delivery to the customer.