

## Battery: Service and Repair

### Battery - Removing and Installing

#### Removing and installing battery

##### Note!

- ^ The battery is located in the radiator tank.
- ^ In order to avoid triggering the alarm siren (installed on right next to the battery) of vehicles with M 536, the battery must be disconnected with the ignition on!
- ^ All loads must be switched off beforehand! Remove ignition key!
- ^ Never disconnect battery with engine running!
- ^ Never start engine without securely connected battery!
- ^ The battery terminal clamps should only be attached without force to prevent damage to the battery housing.
- ^ Battery terminals should not be greased.
- ^ Check that the battery is seated correctly after installation. Other dangers exist with a loose battery such as: - Reduced service life due to vibration damage. - Damage to the grid plates of the battery. - Damage to the battery housing through the retaining bracket (possible acid leak, high subsequent costs). - Inadequate crash safety.

#### Functioning of central venting

##### Note!

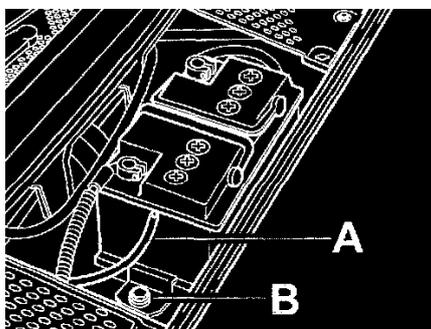
- ^ Batteries of the latest generation are fitted with central venting.
- ^ The gas occurring during the charging, emerges centrally through an opening on the upper cover side. The backfire protection is integrated into the same position which prevents the ignition of the combustible gas present in the battery.
- ^ In batteries with hose/pipe for the central venting, ensure that the hose is not disconnected. Only then can the battery freely degas.
- ^ In batteries without a hose/pipe for the central venting, ensure that the opening is not blocked on the upper cover side of the battery.

#### Remove battery

1. Switch ignition off and remove ignition key.



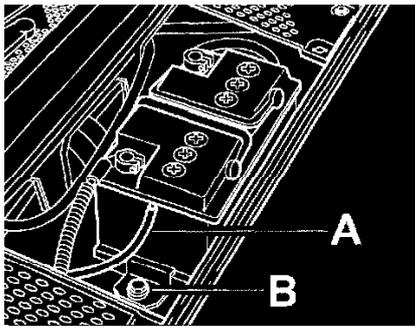
2. Open turn-lock fasteners -A-.
3. Remove battery cover.
4. First disconnect the ground strap of the battery on the negative battery terminal. Unscrew hexagon nut and remove terminal.



5. Undo hexagon nut on the positive battery terminal and remove terminal.
6. Pull off degassing hose -A- and fix in a suitable position with insulating tape.
7. Unscrew fastening screw -B-.
8. Remove battery.

#### Install battery.

1. Insert battery.



2. Screw in fastening screw -B-, position battery and tighten the fastening screw.  
Tightening torque: **23 Nm (17 ft. lbs.)**
3. Push on venting hose -A-.
4. First connect the positive cable then the negative - otherwise there is a danger of a short-circuit! Tightening torque: **5 Nm (3.5 ft. lbs.)**.
5. Put on the battery cover and lock with the turn-lock fasteners.
6. Go to Work Instructions After Disconnecting the Battery.