

# MERCEDES-BENZ

## 2002 C320

### PRECAUTIONS

**Warning:** Risk of explosion when charging lead batteries with battery electrolyte containing sulfuric acid, a highly explosive gas mixture is created that ignites by means of fire, sparks, open flames and smoking.

**Warning:** The battery electrolyte contains diluted sulfuric acid that causes caustic burns to skin, eyes and mucous membranes in the event of contact. Bonded electrolyte is just as caustic as liquid electrolyte. Battery electrolyte mist causes caustic burns to eyes. If inhaled, this can result in caustic burns to mucous membranes and respiratory tracts.

**Warning:** In event of a short circuit from battery positive to ground, battery terminals and conductive objects causing short circuit, such as a tool or jewelry, become hot in seconds and cause burns.

**Warning:** If battery electrolyte is swallowed, this can result in symptoms of poisoning such as headache, dizziness, stomach ache, respiratory paralysis, unconsciousness, vomiting, caustic burns and cramps. Absorption of lead in body through contact with leaded components (battery terminals, lead plates in damaged batteries) damages blood, nerves and kidneys; lead compounds are also toxic for reproduction.

**Caution:** Wear acid-resistant gloves and clothing and safety glasses with side guards.

Only charge lead batteries in well-ventilated rooms with appropriate voltage and appropriate current with approved chargers, taking into account the instructions of battery and charger manufacturers.

**Caution:** Do not place any conductive objects on battery, and do not wear any conductive jewelry (risk of short circuit).

Always disconnect the ground terminal first; always connect positive terminal first (risk of short circuit caused by tool).

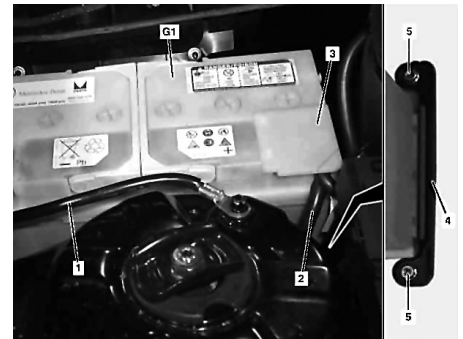
Only store, transport and install batteries with liquid battery electrolyte horizontally, otherwise battery electrolyte can escape from the degassing holes.

### BATTERY Removal

1. Record radio anti-theft code and station presets.
2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. Detach ground cable (1) from battery, Fig. 1.
5. Remove positive terminal cover (3), Fig. 1.
6. Detach positive cable (2) from battery, Fig. 1.
7. Remove battery mounting nuts (5), Fig. 1.
8. Remove battery mounting bracket (5), Fig. 1.
9. Remove battery.

### Installation

1. Set battery into position.
2. Install battery mounting bracket (5), Fig. 1.
3. Install battery mounting nuts (5), Fig. 1.
4. Attach positive cable (2) to battery, Fig. 1.
5. Install positive terminal cover (3), Fig. 1.



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Fig. 1 Battery removal

6. Attach ground cable (1) to battery, Fig. 1.
7. Operate seat fore/aft, rear seat raise/lower, front seat raise/lower, head restraint raise/lower, and backrest switches for both front seats until mechanical stop has been reached, and hold down for an additional ¼ second.
8. Move each power window switch into up position, and continue operating switch for one second after each window is fully raised.
9. Activate steering angle sensor as follows:
  - a. Start engine and allow to idle.
  - b. Turn steering wheel from lock to lock. ADS or ESP malfunction indicator lamp should go out.
  - c. Turn ignition OFF.
10. Open pop-up roof with roof system switch until mechanical stop is reached, and continue to actuate roof system switch for ½ second.
11. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.

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