

# MERCEDES-BENZ 2003 C32 AMG

## 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

### Less P98 Black Series 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.

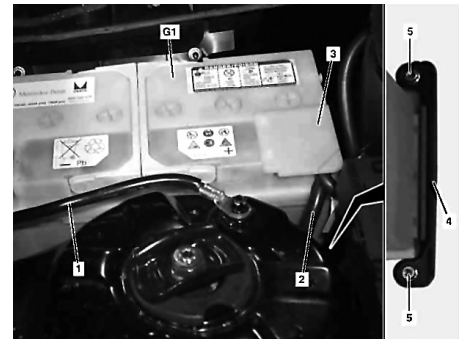
### INSTALLATION

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.
6. Attach ground cable (1) to battery, Fig. 1.
7. 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.
8. Reset all preset and theft codes previously recorded to radio.
9. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.

### With P98 Black Series

### REMOVAL

1. Record radio anti-theft code and station presets.



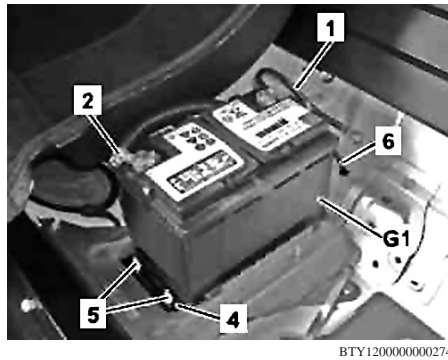
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**Fig. 1 Battery removal. Less P98 Black series**

2. Turn off all lamps and accessories.
3. Turn ignition switch to OFF position.
4. Detach ground cable (1) from battery, Fig. 2.
5. Detach positive cable (2) from battery, Fig. 2.
6. Detach vent hose (6) from battery, Fig. 2.
7. Remove battery mounting nuts (5), Fig. 2.
8. Remove battery mounting bracket (5), Fig. 2.
9. Remove battery.

### INSTALLATION

1. Set battery into position.
2. Install battery mounting bracket (5), Fig. 2.
3. Install battery mounting nuts (5), Fig. 2.
4. Attach positive cable (2) to battery, Fig. 2.
5. Attach ground cable (1) to battery, Fig. 2.
6. Attach vent hose (6) from battery, Fig. 2.
7. 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.
8. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.



**Fig. 2 Battery removal. P98 Black Series**

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