

JAGUAR 2000-08 S-Type

PRECAUTIONS

Warning: Batteries produce explosive gases that may cause personal injury. Do not expose the battery to flame or sparks. When charging or working near a battery, wear protective clothing and eye protectors. Always provide adequate ventilation. Do not smoke when working near batteries. Failure to follow these instructions may result in personal injury.

Warning: Batteries contain sulfuric acid, so avoid contact with skin, eyes and clothing. Shield your eyes when working near the battery to protect against possible contact of the acid solution. In case of contact with the skin or eyes, flush immediately for a minimum of fifteen minutes and seek prompt medical attention. If swallowed, call a physician immediately. Failure to follow these instructions may result in personal injury.

Warning: Ensure the engine is not running and all electrical systems are off before disconnecting or connecting the battery ground cable. Failure to follow these instructions may result in damage to the electrical system.

Before disconnecting the battery, ensure that no data is required from the Powertrain Control Module (PCM), as battery cable disconnection will erase any fault codes and idle/drive values held in the Keep Alive Memory (KAM). It is not required to disconnect or remove electronic control modules.

When the battery is disconnected, all previous climate control assembly settings

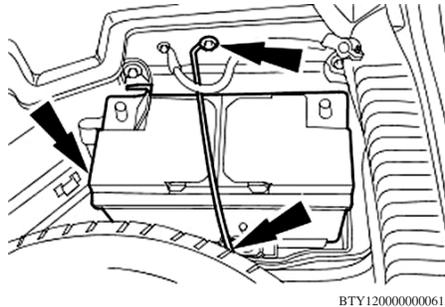


Fig. 1 Battery removal

and fault codes will be lost. It is required to record any settings or fault codes before battery disconnection.

BATTERY Removal

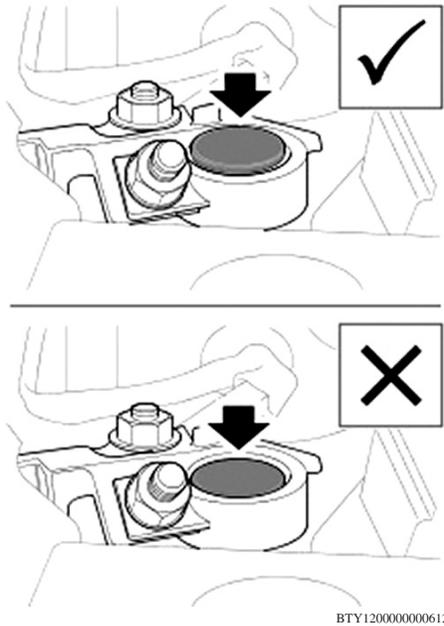
This vehicle is equipped with a 12 volt (DC) high cold cranking amperage type battery. Battery terminals are different sizes to prevent reverse connection. Always disconnect the ground cable from the battery first, and connect it last.

1. Obtain and record audio unit keycode and preset radio frequencies.
2. Reposition luggage compartment floor covering.
3. Disconnect battery ground cable.
4. Disconnect battery positive cable.
5. Remove battery retaining bracket, **Fig. 1.**
6. Detach battery vent tube.

7. Remove battery.

Installation

1. Install battery.
2. Attach battery vent tube.
3. Install battery retaining bracket.
4. Connect battery positive cable first, then connect battery ground cable.
5. **Torque** battery cable clamp nuts to 35 inch lbs.
6. Ensure that battery clamps are correctly positioned on terminals when installed, **Fig. 2.**
7. Position luggage compartment floor covering.
8. Following connection of battery, engine should be allowed to idle since stored idle and drive values contained within PCM have been lost. This may cause driveability concern if the following procedure is not carried out:
 - a. Start engine and allow to idle until engine reaches normal operating temperature.
 - b. Switch engine "OFF."
 - c. Restart engine and allow to idle for approximately two minutes. This will allow PCM to learn idle values.
 - d. Apply and hold brake pedal, select "DRIVE," and allow engine to idle for an additional two minutes.
 - e. Drive vehicle for approximately five miles of varied driving to enable PCM to complete its learning strategy.
 - f. Reset audio unit and climate control assembly to original settings.



BTY120000000612
Fig. 2 Battery terminal installation

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