

# DODGE

## 2003-06 Sprinter 2500

### PRECAUTIONS

**Warning:** The battery is vented to release excess hydrogen gas that is created when the battery is being charged or discharged. However, even with these vents, hydrogen gas can collect in or around the battery. If hydrogen gas is exposed to flame or sparks, it may ignite. Do not smoke, use flame, or create sparks near the battery. Personal injury and vehicle damage may result. The battery contains sulfuric acid, which is poisonous and caustic. Avoid contact with skin, eyes, or clothing. In the event of contact, flush with water and call a physician immediately. Keep out of reach of children.

**Warning:** To protect the hands from battery acid, a suitable pair of heavy duty rubber gloves, not the household type, should be worn when removing or servicing a battery. Safety glasses also should be worn. Remove metallic jewelry worn on hands or wrists to avoid injury by accidental arcing of battery current.

**Warning:** If the battery shows signs of freezing, leaking or loose posts, do not test, assist-boost, or charge. The battery may arc internally and explode. Personal injury and/or vehicle damage may result.

It is important that the battery, starting system, and charging system be thoroughly tested and inspected any time a battery needs to be charged or replaced. The cause of abnormal discharge, over charging or early battery failure must be corrected before a battery is replaced or returned to service.

The battery Group Size number, the Cold Cranking Amperage (CCA) rating, and the Reserve Capacity (RC) rating or Ampere-Hours (AH) rating can be found on the original equipment battery label. Be certain that a replacement battery has the correct Group Size number, as well as CCA and RC or AH ratings that equal or exceed the original equipment specification for the vehicle being serviced.

### BATTERY

A single 12-volt battery is standard factory-installed equipment on this model. Some vehicles are equipped with a second auxiliary battery for running additional electrical equipment. The main battery is located in the engine compartment, while the auxiliary battery (if equipped) is located under the passenger front seat.

### Main

#### REMOVAL

1. Verify that ignition switch and all accessories are "OFF."
2. Disconnect battery ground cable from battery first, then disconnect battery positive cable.
3. Remove retaining nuts, and remove battery hold down clamps.
4. Remove battery from battery tray.

#### INSTALLATION

Ensure that the battery positive and ground terminal posts are correctly positioned. The battery cable terminal clamps must reach the correct battery terminal post without stretching the cables. Be certain that the battery cable terminal clamps are connected to the correct battery terminal posts. Reverse battery polarity may damage electrical components of the vehicle.

1. Position battery onto battery tray.
2. Install battery hold down clamps. **Torque** retaining nuts to 70 inch lbs.
3. Connect battery positive cable. **Torque** battery clamp hex nut to 105 inch lbs.
4. Connect battery ground cable. **Torque** battery clamp hex nut to 70 inch lbs.
5. Apply a thin coating of petroleum jelly or chassis grease to exposed surfaces of battery cable terminal clamps and battery terminal posts.

### Auxiliary

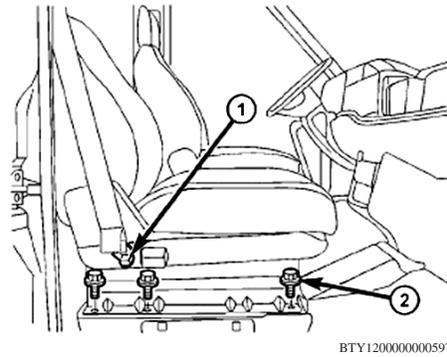
#### REMOVAL

1. Verify that ignition switch and all accessories are "OFF."
2. Remove passenger front seat belt anchor bolt.
3. Remove mounting bolts, disconnect electrical connectors, and remove passenger front seat assembly, **Fig. 1**.
4. Remove top cover from seat base assembly.
5. Disconnect battery ground cable from battery first, then disconnect battery positive cable.
6. Remove retaining nuts and remove battery hold down clamps.
7. Remove battery from battery tray.

#### INSTALLATION

Ensure that the battery positive and ground terminal posts are correctly positioned. The battery cable terminal clamps must reach the correct battery terminal post without stretching the cables. Be certain that the battery cable terminal clamps are connected to the correct battery terminal posts. Reverse battery polarity may damage electrical components of the vehicle.

1. Position battery onto battery tray.
2. Install battery hold down clamps. **Torque** retaining nuts to 70 inch lbs.
3. Connect battery positive cable. **Torque** battery clamp hex nut to 105 inch lbs.
4. Connect battery ground cable. **Torque** battery clamp hex nut to 70 inch lbs.
5. Apply a thin coating of petroleum jelly or chassis grease to exposed surfaces of battery cable terminal clamps and battery terminal posts.
6. Install top cover on seat base assembly.
7. Install passenger front seat assembly, noting the following:
  - a. **Torque** passenger front seat assembly mounting bolts to 19 ft. lbs.
  - b. **Torque** seat belt anchor bolt to 26 ft. lbs.



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**Fig. 1 Passenger front seat removal**

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