

### 3-6 PRECAUTIONS FOR MODIFICATION OF THE ELECTRICAL SYSTEM

#### ① General Precautions

- Careless modification may result in fire or equipment breakdown. Follow the below cautions.
  - Modification to the factory-installed electrical components such as wires, fuses and relays are prohibited.
  - Do not tear protective corrugated tubes and pull out inside wires to connect additional equipments because this may damage the remaining harnesses.
  - Be careful not to damage the wire harness and other components. When they are damaged, have, them repaired.
  - Never modify the harness around electric unit (control unit).
  - Restore the terminals, connectors, clips, and harnesses removed at work where they were originally. If the terminal polarity or connector partner is confused, it may lead to defect or damage the component.
  - If the original clip cannot be used due to additional components, add alternative clip to fix harness.
  - When a clip for fixing harness is broken, replace it with new clip same as the broken one. Metallic clip has coating (rubber or vinyl chloride) at harness converging part. Clip with tear on coating, hole, crack is considered damaged, and replace it with new clip.
  - Exposing connectors, relay box, and electric equipments to such water may cause water intrusion into electric components or internal condensation, resulting in problems such as operational malfunction, erosion, and in the worst case, a vehicle fire.
  - When mounting rear body on chassis frame, be careful not to have harness jammed.
  - When there is melting fuse, investigate the cause, repair it, and change it with new one of specified capacity. Never increase the fuse capacity, it will burnout components and wires, and lead to fire.

#### ② Additional power supply (standby power supply) and ground circuit

Sizes and shapes of terminals and electric wires used for the increase must use the one that corresponded to the increased load. Select the battery and ACG that corresponds to the electric load when installing body with high electric load. Refer to "1-1 PRINCIPAL SPECIFICATIONS OF THE CAB CHASSIS" for specification of each equipment.