BATTERY RECHARGING [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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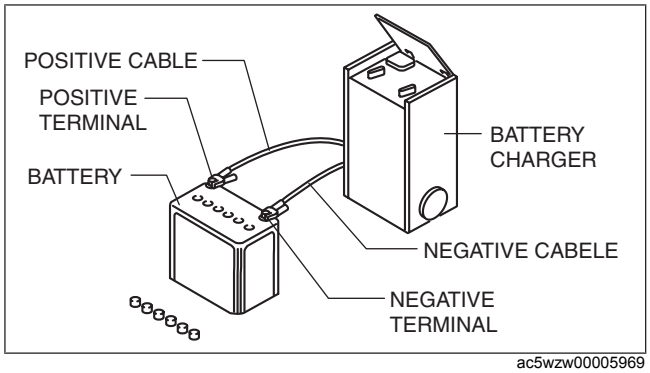
Warning
- **Keep all flames away from the battery and perform the servicing in a well-ventilated area. Otherwise, evaporated gas from the battery could ignite.**
- **Remove the battery filler caps when recharging to prevent battery deformation or damage.**
- **Do not perform battery recharging with the battery in the vehicle as it is dangerous.**
- **When connecting to the battery recharger, make sure the battery cables are connected correctly.**

Caution
- **Do not perform quick recharging. If quick recharging is performed it could result in an i-stop control malfunction.**
- **After recharging, leave the battery as it is for as long as possible (6 hours or longer recommended) to dissipate the polarization in the battery.**

1. Remove the battery.
2. Remove the battery filler caps.
3. To prevent loss of battery fluid during recharging, verify the battery fluid level.
   Battery fluid level is between upper and lower or less
   - Add distilled water to the upper level.

   Battery fluid level is between upper and lower or more
   - Go to the next step.
4. Connect a battery recharger to the battery and adjust the charging current as follows.
   Constant current recharger device available
   1. Apply a constant current charge so that the recharge current is 10 to 15 A. Perform the battery charge time referring to table (1).



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Battery recharge time (Table 1)

Cell with lowest electrolyte gravity	1.24 or more	1.23	1.22	1.21	1.20	1.19	1.18	1.17
Charge time (min)	180	200	220	240	270	290	330	360

   No constant current recharger device available
   1. Adjust the voltage so that the recharge current is 10 to 15 A.
      Verify the current after 30 s have elapsed since the measurement was started because the current is not stabilized after the voltage adjustment.
   2. Charge the battery for 60 min using current in Step (1).
   3. Readjust the battery recharger so that the recharge current is 10 to 15 A.
   4. Charge the battery so that the total time for Step (2) is the time in table (1).
5. Measure electrolyte gravity of all cells.
   Cell with lowest electrolyte gravity is less than 1.25
   - Replace the battery as battery charge could not be restored. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

   Cell with lowest electrolyte gravity is 1.25 or more
   - Battery charge was restored, therefore install the recharged battery into the vehicle. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)