

**TITLE: EV Models - Drive Battery Handling**

## SERVICE INFORMATION

### Subject

Z e-1 (NR011A) and Ninja® e-1 (NX011A) models are equipped with high-voltage lithium-ion battery packs. Please refer to this Service Information for handling instructions and take care when handling the battery packs.



## EV Battery Handling

### Precautions

The drive battery pack is high voltage, refer to the precautions described in the service manual before handling. These instructions apply to the high voltage batteries supplied with the motorcycle and for individual spare parts.

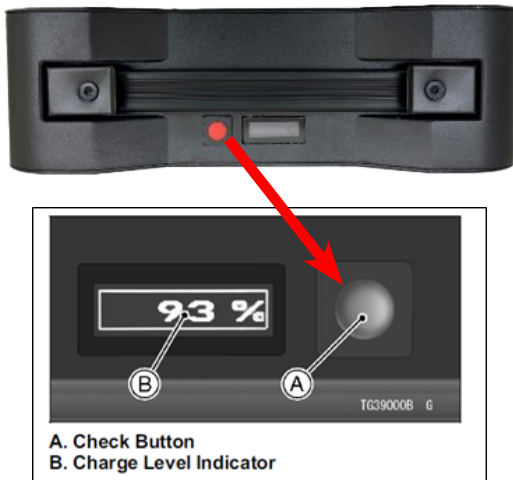
### Storage and Maintenance

The drive battery pack gradually degrades (maximum capacity decreases) under normal use (charging and discharging) and due to aging. To keep the battery packs in good condition, the following actions are recommended:

- Maintain State of Charge (SOC): around 30%
- Maintain storage temperature: 50 to 86°F (10 to 30°C)
  - The SOC gradually decreases due to self-discharge during storage.
  - If the SOC is fully discharged, the battery pack may become unusable. When storing batteries for long periods of time, be sure to recharge them periodically.
  - The amount of self-discharge differs depending on whether the battery is stored out of the motorcycle or in the vehicle.
    - > Storage with battery alone: Discharge SOC approx. 10% per year.
    - > Storage in vehicle: Discharge SOC approx. 30% per year

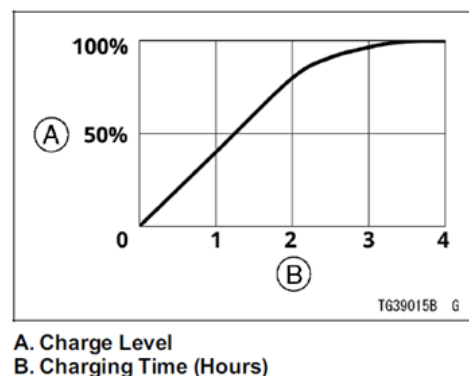
### Check the SOC

- Press the “check button” on the top of the battery pack to display the SOC.



### Manage Charging Time

Monitor and recharge the battery packs as necessary to make sure that the SOC does not drop below 10%. Also, storing the battery packs in a high SOC state, such as fully charged, will accelerate the degradation.



### Charging Precautions

- Charging should be performed indoors, well-ventilated, and moisture-free.
- Charge the batteries using a genuine charger.
- Do not charge the batteries if they are damaged or deformed.
- If you notice smoke or an odor occurs, stop charging immediately.

## Warranty Information

- This is Service Information only, not warranty authorization.