

6.2 Battery

 CAUTION	<ul style="list-style-type: none"> ■ Use meticulous care when handling the lithium battery. Improper handling of the lithium battery as mentioned below is extremely hazardous, may result in heat generation, leakage, explosion, or inflammation, and may cause serious safety problems. <ul style="list-style-type: none"> ▪ Battery Charge ▪ Disassembly ▪ Incorrect Installation ▪ Exposing to Fire ▪ Forced Discharge ▪ Deformation by Pressure ▪ Short-circuit (Polarity; Positive/Negative) ▪ Heating (85°C or more) ▪ Soldering the terminal of the lithium battery directly ■ Be sure to use the battery supplied as maintenance part from EPSON (Refer to 9. Maintenance Parts List). ■ When disposing of the battery, consult with the professional disposal services or comply with the local regulation. Spent battery or not, make sure the battery terminal is insulated. If the terminal contacts with the other metals, it may short and result in heat generation, leakage, explosion, or inflammation.
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NOTE  Before starting battery replacement, turn on the controller for approximately one minute. Perform the replacement within 10 minutes to prevent data loss.

Battery Removal

- (1) Backup the Controller data.
Refer to *Maintenance 4. Backup and Restore*.
- (2) Turn OFF the Controller.
- (3) Remove the screw for the battery mounting plate.

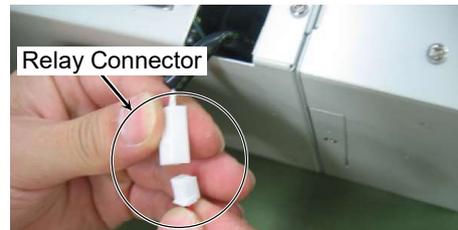


- (4) Pull out the battery assembly.

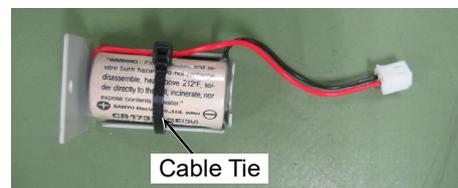
NOTE  The lithium battery cable is connected to the main chassis. Be sure to remove it slowly.



- (5) Disconnect the relay connector.



- (6) Cut the cable tie to remove the lithium battery.

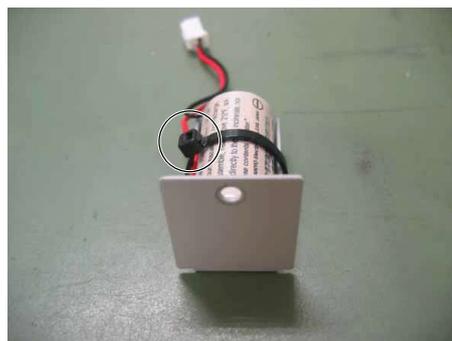


Battery
Installation

- (1) Place a new lithium battery in position and secure it with the attached cable tie.

Position the cable tie as show in the photo.

If it is difficult to insert the lithium battery to the Controller, adjust the cable tie position.



- (2) Connect the relay connector.
- (3) Insert the lithium battery assembly into the Controller.

NOTE



Be sure to prevent the cable and the connector from being trapped.

Push the relay connector to the left when inserting the lithium battery. If the connector is behind the lithium battery, the lithium battery may not be inserted.

- (4) Mount the plate to the Controller with a screw.
- (5) Plug in the power connector. Turn ON the Controller and make sure that the Controller starts properly without any vibration or abnormal noise.