

How To Procedure

MR-J4 Servo Amplifier Battery Replacement

Revision: A

Purpose: To show how to change the battery in a MR-J4 Amplifier for preventive maintenance (battery more than 5 years old) or when the Servo Amp shows [92.3 battery degradation] or [9F.1 Low battery] alarm

Required Tools:

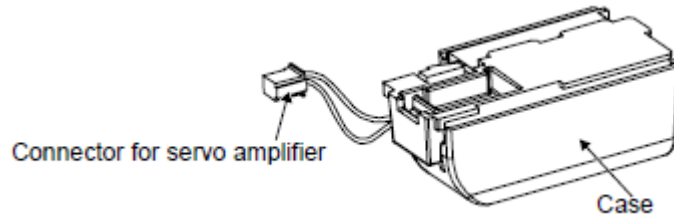
- None

Consumable Parts:

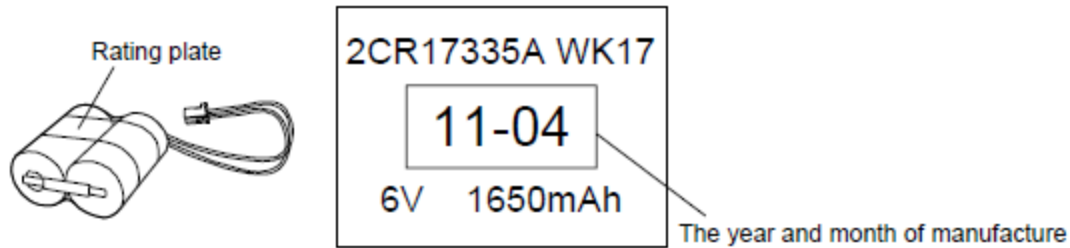
- Quantity one of part number MR-BAT6V1SET

Task 1:

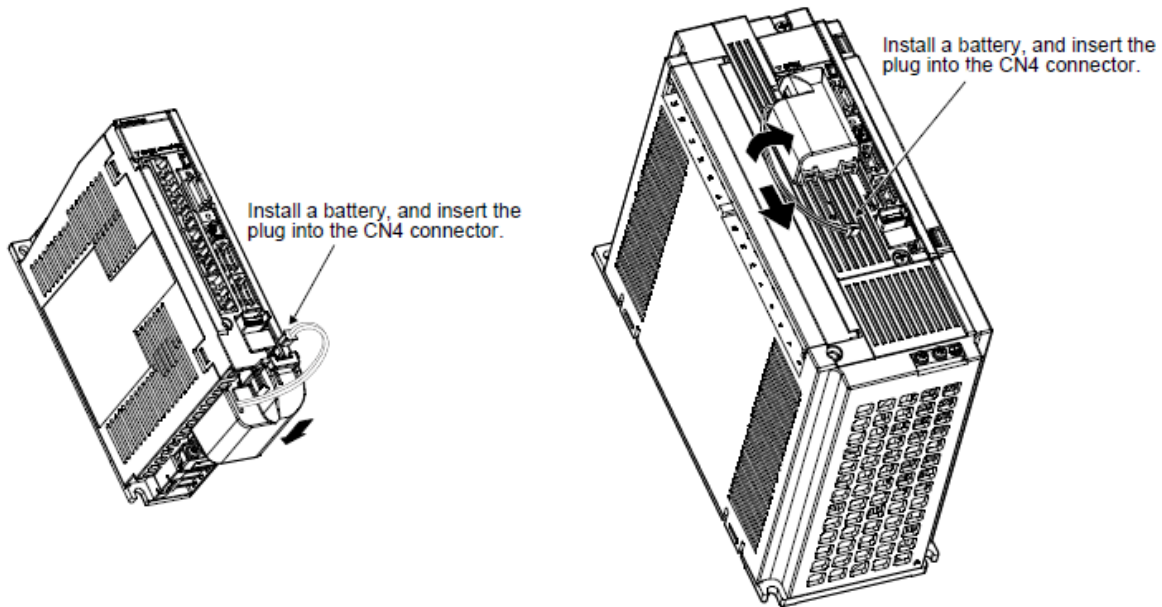
The purpose of the battery is to construct an absolute position detection system. It will keep the servo motor encoder value even when power has been removed from the system. It will keep the servo motor encoder value even if the motor position has changed when powered down.



The production year and month of the MR-BAT6V1 are indicated to the rating plate. Please open the battery from case and check the year and month of manufacture.



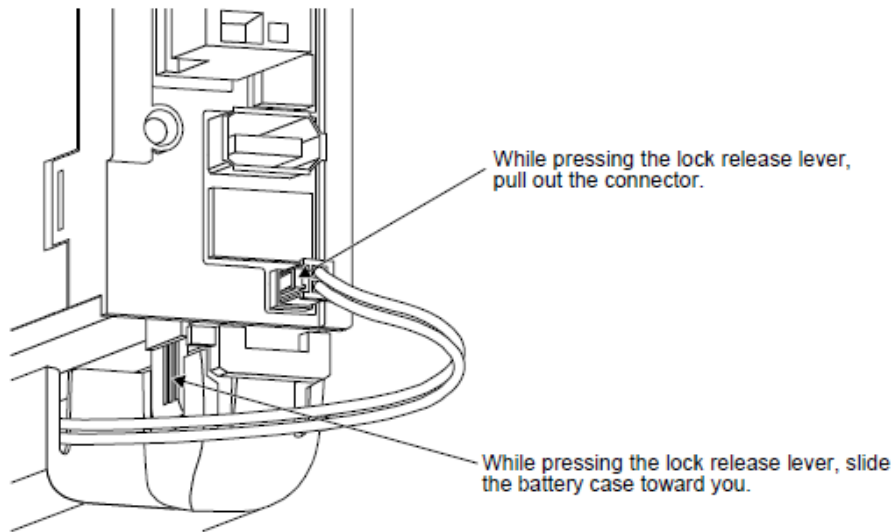
The battery can be changed with control circuit power ON. **When replacing the battery with control circuit power OFF the absolute position will be erased and a machine home position return will need to be done to reestablish a home position.**



MR-J4-350B(-RJ) or less, MR-J4-200B4(-RJ) or less, MR-J4-40B1(-RJ) or less

MR-J4-500B(-RJ) or more, MR-J4-350B4(-RJ) or more

1. Remove battery connector from CN4 terminal.



2. Slide old battery housing up to remove from amplifier
3. Slide new battery housing down to install in amplifier
4. Reconnect battery connector to CN4 terminal.
5. If power OFF, perform a Home Position Return to reestablish machine home position.