8.14
ALARM 306 TO 308 (ABSOLUTE PULSE CODER BATTERY IS LOW)

This alarm is generated when absolute pulse coder battery becomes low.

Absolute pulse coder battery replacement

> **WARNING**
> When replacing the memory backup batteries, keep the power to the machine (CNC) switched on, and hold the machine at an emergency stop. Because this work must be carried out while the power is kept switched on and the cabinet is open, only the personnel who have been trained for safety are allowed to engage in the work. When replacing the batteries, be careful not to touch the high–voltage circuit section (marked ⚠ and shielded with a shock hazard prevention cover). If you touch the high–voltage circuit section when it is uncovered, you will get an electric shock.
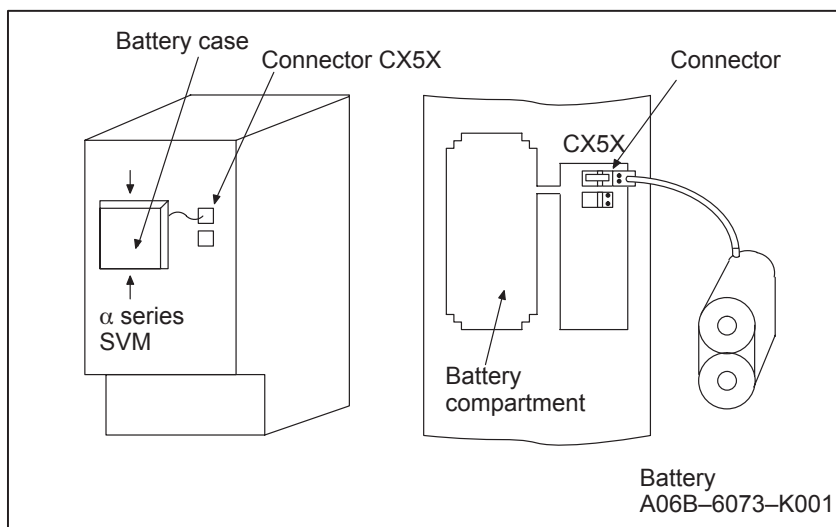
Procedure

Replace the batteries in the battery case on the front surface of the α series servo amplifier module or in the battery box connected to the JA4A connector of the main CPU board or the JA4B connector of the option 2 board.

> **CAUTION**
> 1 When replacing the batteries for the α series servo amplifier module, keep the power to the servo amplifier switched on.
> 2 When replacing the batteries in the battery box, keep the power to the NC switched on.
> 3 Note that we are not supposed to replace the batteries for the control unit (for memory backup).

Procedure for replacing batteries for absolute pulse coder
(α series servo amplifier module)

1 Prepare lithium battery A06B–6073–K001[*] in advance.

2 Turn machine (CNC) power ON.

3 Remove the battery case on the front panel of α series Servo Amp Module (SVM).
The battery case can be removed by holding the top of the case and pulling the case towards you.

4 Remove the connector the battery.

5 Replace the battery , and connect the connector.

6 Attach the battery case.

7 Turn machine (CNC)power OFF.
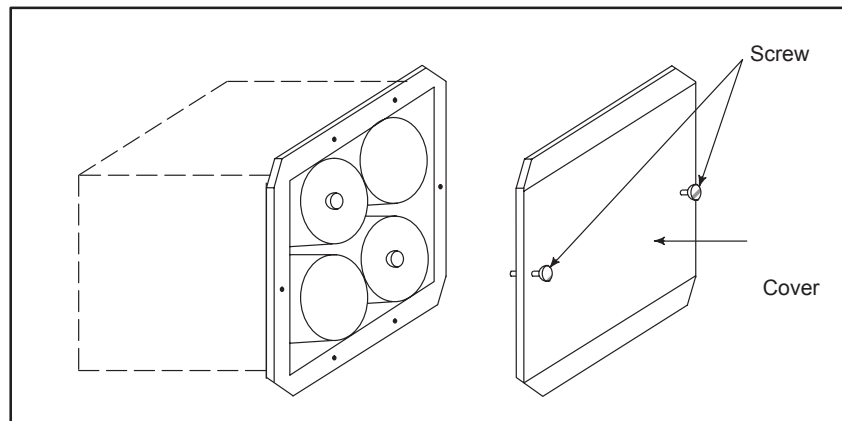
(*) FANUC specification : A98L–0001–0902

CAUTION
Replace the batteries for absolute pulse coder when NC power is ON.
Replacing the batteries with power OFF causes the absolute position stored in memory to be lost.

Procedure for replacing batteries for absolute pulse coder (separate type pulse coder)

1   Prepare 4 alkaline batteries (UM–1type) commercially available in advance.

2   Turn machine (CNC) power ON.

3   Loosen screws on the battery case to remove the cover. For placement of the battery case, refer to the machine tool builder's manual.

4   Replace the batteries in the case. Insert 2 batteries each in the opposite direction as illustrated below.

5   After replacement, install the cover.

6   Turn machine (CNC) power OFF

CAUTION

Replace the batteries for absolute pulse coder when NC power is ON.
Replacing the batteries with power OFF causes the absolute position stored in memory to be lost.