6.14 ALARM 3n7 TO 3n8 (ABSOLUTE PULSE CODER BATTERY IS LOW)

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

Procedure

Replace the batteries in the battery box connected to the connector of axis cards (CPA9 for the 1st– to 4th–axis cards, CPA10 for the 5th–/6th–axis card, and CPA11 for the 7th/8th–axis card).

When a type–B axis board is being used with a built–in absolute pulse coder and an α or β series amplifier, the battery is installed in the servo amplifier. In such a case, replace the battery as described in the appropriate manual supplied with the servo amplifier.

NOTE
1 When replacing the batteries for the α series servo amplifier module, keep the power to the servo amplifier switched on.
2 Note that we are not supposed to replace the batteries for the control unit (for memory backup).

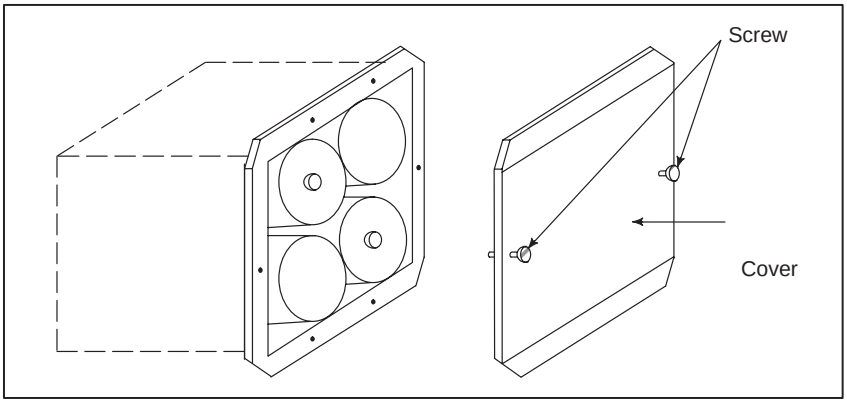
Procedure for replacing batteries for absolute pulse coder (separate type pulse coder)

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

2 Turn machine (CNC) power ON. (When replacing the batteries, keep the power to the NC switched on. If the batteries are replaced with the power switched off, all data relating to the absolute position will be lost.)

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