

## 8.2 BATTERY REPLACEMENT

The battery is used as power source for memory in order to prevent programming data stored in memory, such as parameter, tool offset and part program from erasing.

When the battery is discharged after a long period of use, "BAT" or "A/B" is blinked on CRT screen to give warning for replacement. On such occasions, the battery must be replaced within 30 days. When replacing, never remove the old battery with power off, otherwise the data stored in memory may be cleared.

### Replacing Procedure

1. Depress POWER OFF pushbutton on the operator's station.
2. Open the front door of the control. The battery of the memory (printed circuit) board can be seen on the CPU module which is mounted on rear of the front door.
3. Depress POWER ON pushbutton. Where the control is equipped with a door interlock switch, pull it out by hand. The power can be turned on, with the door open.
4. Check to see if 1LED on memory board is illuminated. Fig. 8.2.1 shows the arrangement of LED and the battery. If illuminated, replace the battery "660S" with new one.

660S ... Type: JZNC-GBA02

5. With the control power turned on, connect the receptacles of the new battery in to the plugs (1CN or 2CN) on memory circuit board, and LED will be turned off. See Fig. 8.2.1. If LED is still illuminated, it is due to the improper insertion of battery connectors, or defective battery.

**IMPORTANT:** Two plug stations, 1CN and 2CN (or 2CN and 3CN) are connected together with common leads. When an old battery is replaced with a new one, connect the new battery first to the plug station not occupied, then remove the receptacles of the old battery.

6. Depress POWER OFF pushbutton.
7. Remove the mounting screw of old battery, and then replace the battery with new one. In this case, pass the battery lead through gaps between the battery and the battery clamp, and use care not to contact the lead with memory circuit board.

Where the control is provided with a door interlock switch, push it back in place since power cannot be turned on with the door open.

8. Tightly close the front door.
9. Depress POWER ON pushbutton.
10. Make sure that "BAT" or "A/B" on CRT screen goes off.

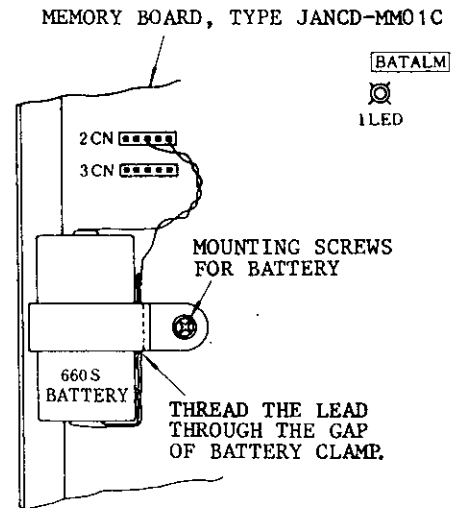


Fig. 8.4 Arrangement of LED and Battery

### NOTES:

1. While battery is being replaced, exercise utmost care to prevent contaminants from entering the control, and accomplish the work as quickly as possible.
2. Use special care to prevent water, oil, or dust, to adhere to the devices (printed circuit board, connectors, cables, etc.) inside the control.
3. Never leave any screws or washers in the control.

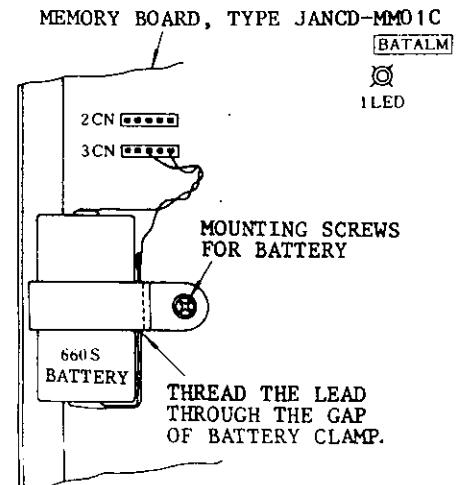


Fig. 8.5 New Battery Mounted