

Replacement Of Switching Power Supply Unit - Toshiba TH180 Maintenance Manual

Industrial robot

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3)

Prepare a new battery, then remove the cover from the controller.

4)

Disconnect the battery connector from CN3 of the X8GC printed board, and remove the battery from the TY-RAP securing the battery.

(For the battery position, see Fig. 3.5.)

5)

Set the new battery immediately. (If the battery is kept removed for more than

one (1) minute, all memory data are lost.)

Even if not used, the lithium battery capacity decreases by natural discharge.

Use a lithium battery which is within three (3) years (kept at the room

temperature) from purchasing.

6)

Mount the cover on the controller.

7)

If the battery is kept removed for more than one (1) minute, turn on the main power switch and load the programs and various parameters from the floppy disk unit or personal computer in which the TSPC (option) is already installed. If the controller has detected the battery voltage drop alarm even before the five (5)-year replacement period, replace the battery immediately.

Waste battery should be disposed of according to the user's in-house regulations.

NEVER drop the battery into fire. NEVER short-circuit, charge, disassemble or heat it. Otherwise, liquid leakage or rupture may be caused.

3.3.4 Replacement of Switching Power Supply Unit

The life of the switching power supply unit (DC5 V/DC24 V) used in the robot controller differs with the operating conditions. This unit uses an aluminum electrolytic capacitor, and if the load current is large, the running time is long and the ambient temperature is high, the life will reduce.

As the life varies largely with the user's operating conditions (5 ~ 10 years), replace the power supply unit every five (5) years for preventive maintenance.

[Replacement procedures]

1)

Turn off the main power switch.

2)

Turn off the power breaker.

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CAUTION

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