VMB

# How to Remove the Backup Battery for Clock

Refer to the following steps 1–13 for how to remove the backup battery for clock.

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**1**   Turn off the breaker operation handle on the controller.

| ⚠ DANGER | (1) Be sure to wear safety goggles, helmet and safety shoes during this work.<br>(2) Turn off the breaker operation handle of the controller and wait for at least one minute after the pilot light goes off before starting work. (There are high-voltage units and large amount of capacitors inside the controller; it is dangerous to touch them while they are still charged, which may result in electric shock.)<br>(3) Turn off the power supplied to peripheral devices (equipment) of the robot. |
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Breaker operation handle [OFF]

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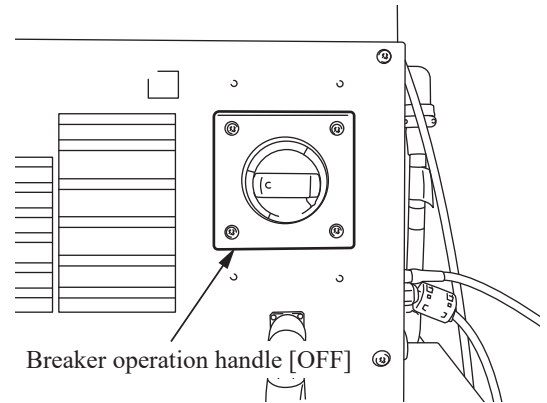
**2**   Disconnect the power supply connector.



Power supply connector

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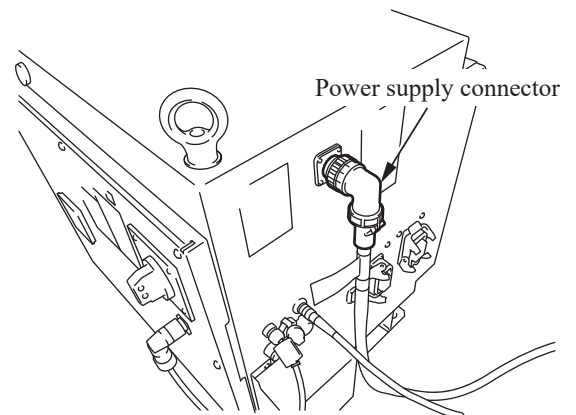
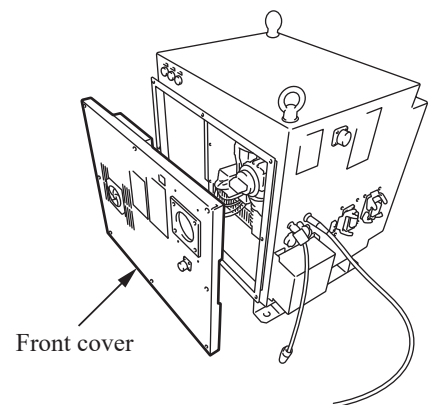**3**   Disconnect the heat exchanger connector.



Heat exchanger connector

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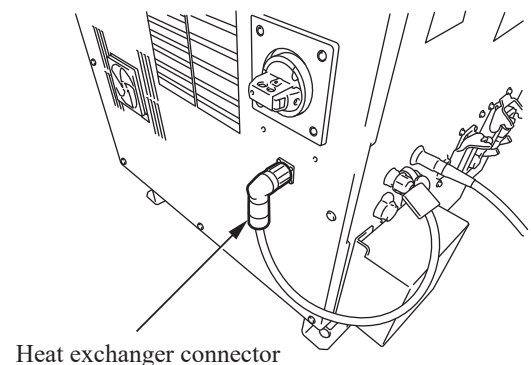
**4**  Remove the eight screws holding the front cover.
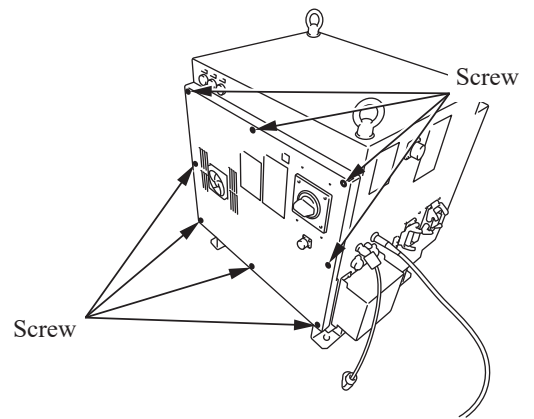
Screw

Screw

**5**  Remove the front cover.

Front cover

**6**  Remove the IPC.
Remove the USB license dongle if it is attached.

USB license dongle
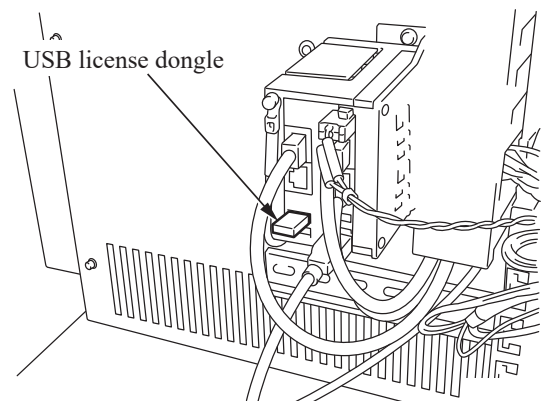
**7**  Remove one Torx screw for ground wire attachment
and disconnect the ground wire.

Torx screw

Ground wire
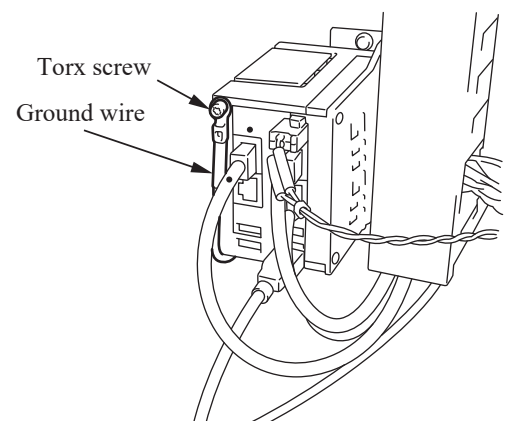
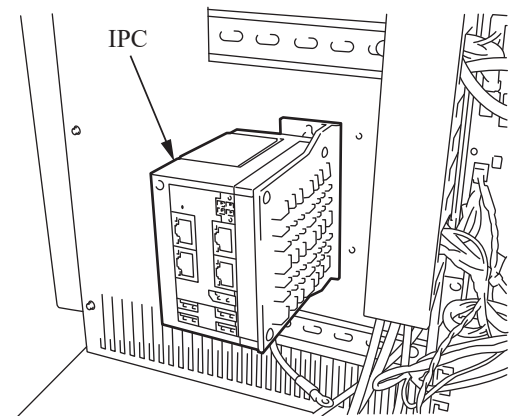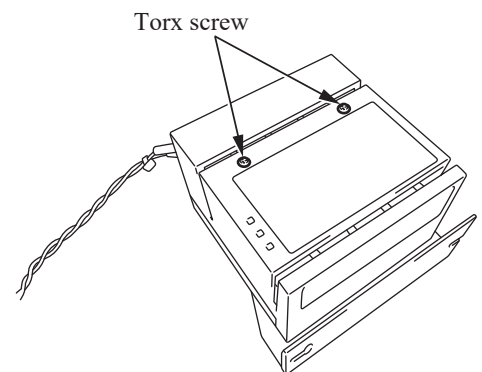**8** Disconnect the power supply connector, two EtherNet cables (Blue), the pendant connector, and the USB connector.

Power supply connector

Pendant connector

EtherNet cable (Blue)

USB connector
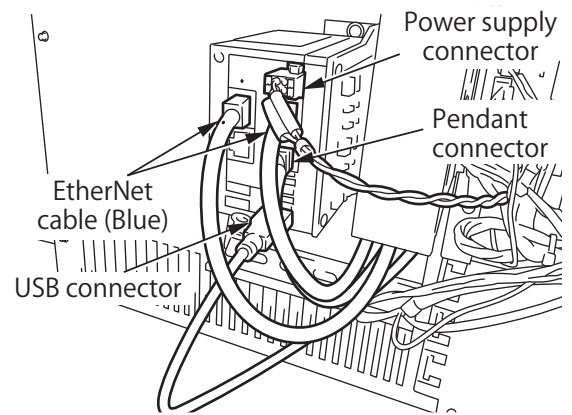
**9** Remove two IPC attachment screws.
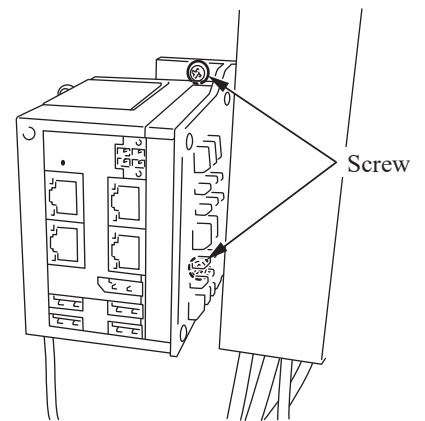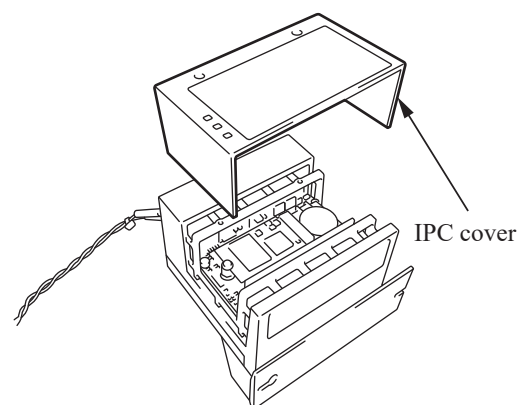
Screw

**10** Remove the IPC.

IPC

**11** Remove the two Torx screws for IPC cover attachment.

Torx screw

**12** Remove the IPC cover.

IPC cover

**13** Remove old CR2032 button battery.

CR2032 button battery