

VBX Series Load & Go Preventative Maintenance

Daily

Wipe off horizontal surfaces to remove all chips/debris.

Monthly

1. Inspect filter bag in wash bucket. If necessary, replace pump filter bag: McMaster-Caar part #2514K28.
2. Open the panel below the VBX screen to verify the cabinet is free of liquid.
3. Inspect the coolant level of the wash bucket and replace as needed.

Annually

Replace robot C batteries (qty 4) with the robot ON. See **Section 7.3.1**

As Specified

For other recommended robot maintenance, register [online](#) and navigate to Support/Downloads > eDocumentation

7.3 MAINTENANCE

7.3.1 Replacing the Batteries (1-Year Periodic Inspection If Built-in Batteries Are Specified) (1.5-Year Periodic Inspection If External Batteries Are Specified)

The position data of each axis is preserved by the backup batteries. If built-in batteries are in use, replace them every year. If external batteries are in use, replace them every year and a half. Also use the following procedure to replace them when the backup battery voltage drop alarm occurs.

Procedure of replacing the battery (if built-in batteries are specified)

- 1 Press the EMERGENCY STOP button to prohibit the robot motion.



CAUTION

Be sure to keep the power supply turned on. Replacing the batteries with the power supply turned off causes all current position data to be lost. If this occurs, mastering will be required again.

- 2 Remove the battery case cap. (Fig. 7.3.1 (a)) If it cannot be removed, tap it on the side with a plastic hammer.
- 3 Loosen the plate screw and take off the lid of the battery box and replace the battery. The battery can be taken out by pulling the stick which is in the center of the battery box.
- 4 Assemble them by reversing the sequence. Pay attention to the direction of batteries. It is necessary to replace the gasket.

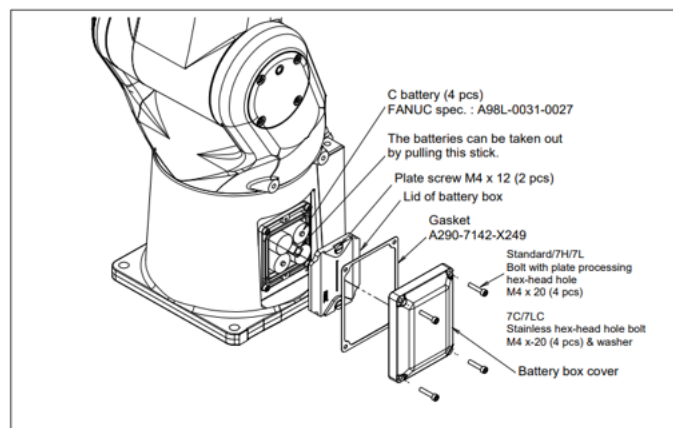


Fig. 7.3.1 (a) Replacing the battery (if built-in batteries are specified)