Technical Newsletter

DISCO

8000 series / DFM2700
Why the Robot's Battery Low Error Occurs

Applicable models

DFG8540・DFG8560・DFG8360
DGP8760・DGP8761
DTG8440
DFP8140・DFP8160
DFS8910
DFE8040・DFE8060
DFM2700

Why the error occurs

The robot's battery low error occurs due to not only "battery exhaustion" but also "aged deterioration of the motor (the motor reaches its end of life)."

The life of the motor is approximately 3 to 5 years, although it varies depending on the operating conditions of your machine. Once the motor reaches its end of life, processing cannot start because the error always occurs at the time of initialization after turning on the power to the machine. It is recommended to replace the motor periodically before it reaches its end of life.

Message displayed when the error occurs

・"Battery of the robot encoder is weak"
・(Some machines with a date of manufacture prior to January 1, 2007) "Robot X-axis driver error."

If the error occurs

Please contact your local DISCO service office.
Basically, the service and the replacement parts are available without charge if the machine is covered by warranty, or with charge if not.

1: The battery will be replaced.

2: If the error occurs even after replacing the battery, the motor has reached its end of life.
   In such a case, the motor will be replaced.

Inquiries

Please contact your local DISCO sales representative or DISCO service office if you have any questions regarding this matter.