

9. Inspection and maintenance

Inspection

Periodically check and maintenance to assure safe and reliable operation of the speed controller.

Practical considerations for checking and maintenance

Turning off/on of power supply must be done by the personnel responsible for the maintenance work.

Checking items and period of maintenance work

Under normal operating condition

**Ambient temperature (annual average) 30°C,
100% load factor, 20 hours max./day**

Perform daily check and periodic check as shown below:

Category	Frequency	Check for
Daily check	Every day	<ul style="list-style-type: none"> • Ambient temperature, humidity, dust, dirt, foreign material • Unusual vibration, shock, sound • Smell • Damaged wiring • Misalignment • Main circuit voltage • Contaminated pin • Loose connection (motor, devices) • Foreign matters on load
Periodic check	Once/year	<ul style="list-style-type: none"> • Excessively overheating motor

<Precautions>

The frequency specified for periodic check should be changed as necessary depending on operating condition.

Guideline for replacement

No reference can be established since components and parts should be replaced based on operating condition and method. Replace or repair defective or malfunctioning parts.

DON'T

Consult us when it is necessary to overhaul the assembly.

Product	Category	Life expectancy	Remarks
Speed controller	Electrolytic capacitor	Approx. 5 years	Life expectancy is reference for replacement. Potentially defective part must be replaced before expected lifetime.
Motor, gear	See motor instruction manual.		

Troubleshooting

If a problem occurs with your system, use the following procedure for locating and remove the cause.

In the event the problem cannot be isolated or the speed controller is suspected, or if you have any questions, please contact us or your local agency.

