

Attn.: Customers	Title Notice of Periodic Inspection of Electrical Parts	No.	VeQRR2_0080-00004-2
		Date	June 11, 2015
		Canon Anelva Corporation Quality Management Div.	

Thank you for using CANON ANELVA products.

We would like to inform you the periodic maintenance is crucial for the electrical components to secure safe use of CANON ANELVA products, including systems, power supplies, and vacuum components.

NOTE

1. Introduction

Our products exercise their expected performance when all the electrical parts are **fully serviced and normal**. Even if the products are used correctly and normally, they cannot maintain their original performance and may cause troubles over time. The performance of these parts **deteriorate over time** depending on each components. Therefore; we inform you the **standard expected life time** of the components as follows so that you can **execute periodic inspection and replace those parts** used beyond the standard life time.

2. Periodic Inspection (Annually)

We recommend you to inspect the following items **annually**.

Items	Confirm that
Vibration & Sound	No abnormal vibration or sound
Electrical Circuit	The tightened part is not loosened Each part is not overheated
Wire	The cover is not broken or deteriorated (no crack & color change)
Terminal & Connection	It is not broken Its tightening screw is not loosened
Battery	The voltage is normal Within the recommended replacement cycle by the manufacturer
Aluminum electrolytic capacitor	No liquid leak The safety valve is not sticking out, not expanded
Relay & Contactor	The operation is normal There is no abnormal sound
Fuse	It is not loosened nor unstable
Cooling Fan	No abnormal vibration or sound No contamination
Transformer & Reactor	No abnormal odor Roaring sound is not increased
Display	Displays normally

3. Parts Replacement Cycle (Estimate Lifetime)

The following table describes estimated lifetime of the electrical parts used in our products. *The actual replacement cycle is different depending on its use environment (ambient temperature, ventilation condition, power energizing time). The following is just the estimated lifetime for your reference, and cannot be regarded as the specification.

Part name	Estimated lifetime	Possible trouble after deteriorated
Battery	3 - 5 years	•Data loss caused by low electric capacity •Short circuit caused by liquid leak
Aluminum electrolytic capacitor	5 - 8 years	•Electric capacity decreased by electrolyte volatilization •Short circuit caused by leak
Relay	Different depending on the switching current & repetition	Malfunction
Fuse	10 years	Operation stops suddenly by its melt down
Cooling fan	3 - 5 years	•Temperature of the component increases •Fan motor overheat

4. Applicable Parts

There are various parts applicable, such as;

Programmable Controller (PLC)	Computer
UPS	Process Power Supply
Vacuum Gauge	Inverter
Servo Amplifier	Switching Regulator
Robot Controller	etc.

5. Service

These inspections and services require specialized knowledge. If any of the above listed parts are used over time or found trouble after the periodic inspection, contact us for service inquiries with additional charges, such as replacing them with new parts.

- This document is published with referring to official documentation by Japan Electrical Manufacturers Association (JEMA); such as "Recommendation for Periodic Inspection of PLC", "Recommendation for Periodic Inspection on Inverter" "Battery Replacement of UPS".

We will continually improve the product quality and reliability to ensure customer satisfaction.

Applicable product	CANON ANELVA products (systems, power supplies, and vacuum components)	
Action item	Different depending on the products. Contact our service representatives for details.	
Price· Delivery Work time	We will provide service with additional charges. Contact our service representatives for details.	
Schedule	Contact our service representatives for details.	
Remarks	Revision history: Rev 2: May 1, 2015 Added "2. Periodic Inspection"	

Feel free to contact our sales or service representatives.

<http://www.canon-anelva.co.jp/english/contacts/>

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