



Maintenance Schedule

DOCMSACS85001

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Creator name	Kimmo Hirvonen		Distribution	Public

ACS850 Drives

Legend:	
Inspection (visual inspection and required maintenance action if needed)	I
Performance of on-site work (commissioning, tests, measurements, etc.)	P
Replacement if hard conditions	(R)
Replacement of component	R

Start-up	Years from start-up																					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Cooling																						
➤ Main cooling fan from A to G *)		I	I	(R)	I	I	R	I	I	(R)	I	I	R	I	I	(R)	I	I	R	I	I	(R)
➤ Main cooling fan G1 and G2 *)		I	I	I	I	I	(R)	I	I	R	I	I	(R)	I	I	I	I	I	R	I	I	I
➤ Circuit board compartment cooling fan G1 and G2 *)		I	I	(R)	I	I	R	I	I	(R)	I	I	R	I	I	(R)	I	I	R	I	I	(R)
Aging																						
➤ JPU-unit for frame A and B **)							(R)			R			(R)						R			
➤ JCAP-board for frame C and D **)							(R)			R			(R)						R			
➤ DC circuit electrolytic capacitors+discharging resistors for frame E0, E and G **)							(R)			R			(R)						R			
➤ DC circuit electrolytic capacitors+discharging resistors for frame G1, G2 **)				(R)			R			(R)			R			(R)			R			(R)
➤ BFPS, JGDR (frame G1, G2)										R									R			
➤ JINT (frame G, G1, G2)										R									R			
➤ Control panel battery										R									R			
Connections and environment																						
➤ Flat ribbon cables (frame G, G1, G2)										R									R			
➤ BGAD (frame G1, G2)										R									R			
➤ Fibre optic cable connections frame (frame G, G1, G2)				I			I			I			I			I			I			I
➤ Cabinet door filters (IP20 ... 42)		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Cabinet door filters (IP54 and above)		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
➤ Tightness of terminals		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Dustiness, corrosion and temperature		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Quality of supply voltage		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Other maintenance action according to the drive maintenance counter		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Improvements																						
➤ Based on product notes		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Measurements																						
➤ Basic measurements with supply voltage		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Spare Parts																						
➤ Spare parts		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ DC circuit capacitors reforming		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

*) (R) Hard conditions: Replacement if ambient temperature in continuous operation is over 40 °C.

**) (R) Hard conditions: Replacement in conditions of over 40 °C ambient temperature or cyclic heavy load or continuous nominal load.

Note! Recommended maintenance intervals and component replacements are based on specified operational and environmental conditions. ABB recommends annual drive inspections to ensure the highest reliability and optimum performance. More detailed maintenance information can be found in maintenance instructions, product manuals and on the internet pages in the address: www.abb.com/driveservices