



Maintenance Schedule

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ACQ810 Drives

Legend:	
Inspection (visual inspection and required maintenance action if needed)	I
Performance of on/off-site work (commissioning, tests, measurements, etc.)	P
Replacement of component	R
Replacement of component in demanding operating conditions	(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
Start-up	P																					
Cooling																						
Main cooling fan (A to G)*				(R)			(R)			(R)			(R)			(R)			(R)			(R)
Main cooling fan (G1 and G2)*							(R)			R			(R)						(R)			(R)
Circuit board compartment cooling fan (G1 and G2)*				(R)			(R)			(R)			(R)			(R)			(R)			(R)
Aging																						
JPU unit (frame A and B)**							(R)			R			(R)						(R)			(R)
JCAP board (frame C and D)**							(R)			R			(R)						(R)			(R)
DC circuit electrolytic capacitors and discharging resistors (frames E0, E, G, G1 and G2)**							(R)			R			(R)						(R)			(R)
BFPS, JGDR (frames G1 and G2)										R											R	
JINT (frames G, G1 and G2)										R											R	
Control panel battery										R											R	
Connections and environment																						
Flat ribbon cables (frames G, G1 and G2)										R											R	
BGAD (frames G1 and G2)										R											R	
Fiber optic cable connections (frames G, G1 and G2)				I			I			I			I			I			I			I
Cabinet door filters (IP20 to IP42)				I			I			I			I			I			I			I
Cabinet door filters (IP54 and higher)		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
Dustiness, corrosion and temperature				I			I			I			I			I			I			I
Improvements																						
Based on product notes				I			I			I			I			I			I			I
Spare Parts																						
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 = Normal conditions: Replacement of component if ambient temperature is below 40°C and there is no cyclic heavy load and no continuous nominal load.

* **(R) = Demanding conditions:** Replacement of component if ambient temperature in continuous operation is over 40°C.

****(R) = Demanding conditions:** Replacement if ambient temperature is over 40°C or there is a 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: www.abb.com/driveservices