

ABB		Maintenance Schedule		DOCMSACS88001	
Issued by	Date	Language	Revision	Page	
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ACS880 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
P																						
Cooling																						
> Cooling fan *)	I	I	(R)	I	I	R	I	I	(R)	I	I	R	I	I	(R)	I	I	R	I	I	(R)	
Aging																						
> DC circuit electrolytic capacitors R6-R9 + discharging resistors **)						(R)			R			(R)						R				
> ZINT (R1-R3), ZMAC (R4-R5) **)						(R)			R			(R)						R				
> ZINT (R4, R5, R6, R7, R8, R9) ***)									(R)			R						(R)				
> ZPOW, ZCON, ZINP ***)									(R)			R						(R)				
> IGBT+ZGAD+ZGAB ****)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
> Control panel battery and ZCON battery									R									R				
Connections and environment																						
> Flat ribbon cables									(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	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	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	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	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	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	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	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	P

*) (R) **Hard conditions:** Replacement if ambient temperature is over 40 °C or continuous operation or according to maintenance counter.

***) (R) **Hard conditions:** Replacement if ambient temperature is over 40 °C or cyclic heavy load or continuous nominal load or according to maintenance counter.

****) (R) **Hard conditions:** Replacement in conditions of over 40 °C ambient temperature

*****) Inspection and Replacement according to maintenance counter.

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/drivesservices