



Maintenance Schedule ACS800 Drives

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Legend:	
Inspection (visual inspection and maintenance action if needed)	I
Performance of on-/off-site work (commissioning, tests, measurements or other work)	P
Replacement of component (If installation is in appropriate environment - see Hardware manual)	R

	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, air cooled																						
Internal/additional cooling fan for ACS800-01, -04, -11, -31, -104 (IP20, IP21 and IP55)				R			R			R			R			R			R			R
Cooling fan for ACS800-01, -02, -04, -07, -11, -17, -31, -37, -38, -14, -104, DSU, ISU, ALCL				I			R			I			R			I			R			I
DOL Cooling fan for DSU+992, ALCL-1X, 0X-X (mains supply frequency 60Hz)*				R			R			R			R			R			R			R
Cooling fan for DSU+V992 (mains supply frequency 50Hz)				I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
Cooling fan for TSU				R			R			R			R			R			R			R
Enclosure extension cooling fan (ACS800-02)				R			R			R			R			R			R			R
Extra cooling fans inside cabinet (ACS800-x7, ACS800 md)				I			R			I			R			I			R			I
Extra IP54 cooling fan on roof of cabinet (ACS800-07, ACS800 md)				I			R			I			R			I			R			I
Cooling, liquid cooled units																						
Cooling fans ACS800LC, 50Hz				I			R			I			R			I			R			I
DOL Cooling fan for ACS800LC, DSU LC, (mains supply frequency 60Hz)*				R			R			R			R			R			R			R
Check pH of coolant			P		P		P		P		P		P		P		P		P		P	
Add coolant corrosion inhibitor			P		P		P		P		P		P		P		P		P		P	
Heat exchanger cleaning			P		P		P		P		P		P		P		P		P		P	
Expansion tank air pressure			P		P		P		P		P		P		P		P		P		P	
Cooling liquid pump assembly				I			R			I			R			I			R			I
Change coolant in internal cooling circuit										R									R			
Expansion tank										R									R			
Cooling liquid pipe connections		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Aging																						
Electrolytic capacitors (DC circuit)										R									R			
Memory backup battery replacement in APBU-xx unit							R						R						R			
ALCL filter capacitor 380 - 415V supply network** (ACS800-14, -17, -37, -38, -67, md)							I			I/R			I			I			I/R			I
ALCL filter capacitor 460V - 690V supply network** (ACS800-14, -17, -37, -38, -67, md)							I/R			I			I/R			I			I/R			I
Connections and environment																						
AINT+ flat cables, CINT, NRED, discharging resistors										R									R			
Power cable connections and quick connectors of the supply, inverter and converter modules (ACS800-x7/ and ACS800 md)				I			I			I			I			I			I			I
Air filters (IP20 to IP42)		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Air filters (IP54 and IP54R)		R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Cleanliness check (dustiness, corrosion and temperature) and/or heat sink cleaning		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
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

*) DOL Cooling fan= Direct on line fan

**) If filter is not replaced, the filter shall be inspected after 3 years from the last inspection.

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. Detailed maintenance information can be found in product manuals, maintenance notes, maintenance instructions and on the internet:

<http://www.abb.com/drives>