ABB	Maintenance Schedule	DOCMSACS80001

Issued by	Date	Language	Revision	Page
ABB Oy, Product Support	19.02.2010	en	F	1 (2)

Creator name		Distribution	
Kimmo Hirvonen		Public	

ACS800 Drives

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	**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 units:**																						
➢ Internal/additional cooling fan for ACS800-01, -04, -11, -31, -104 (IP20, IP21 and IP55)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➢ Cooling fan for ACS800-01, -02, -04, -07, -11, -17, -31, -37, -14, -104, DSU, ISU, ALCL		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➢ Cooling fan for DSU+V992 (mains supply frequency 50Hz)		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➢ Cooling fan for DSU+V992 (mains supply frequency 60Hz)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➢ Cooling fan for TSU		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➢ Enclosure extension cooling fan (ACS800-02)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R
➢ Extra cooling fans inside cabinet (ACS800-x7, ACS800 md)		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➢ Extra IP54 cooling fan on roof of cabinet (ACS800-07, ACS800 md)		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➢ **Liquid cooled units:**																						
➢ Cooling fans		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➢ Add coolant inhibitor		I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I
➢ Change the coolant in the internal cooling circuit										R									R			
➢ Heat exchanger cleaning			I		I		P		I		I		P		I		I		P		I	
➢ Expansion tank air pressure			I		I		I		I		I		I		I		I		I		I	
➢ Expansion tank										R									R			
➢ Cooling liquid pump assembly		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
➢ 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 the APBU-xx unit		I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I
Connections and environment																						
➢ AINT+ flat cables, CINT, NRED, discharging resistors										R									R			
➢ Tightness of terminals							I						I						I			
➢ Quick connector of converter module (ACS800-x7/ and ACS800 md)				I			I			I			I			I			I			I
➢ Door filters (IP20 to 42)		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➢ 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
➢ Condition of contactors				I			I			I			I			I			I			I
➢ Fiber optic cables (connections)				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
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

Specifications subject to change without notice.

ABB传动宁夏服务热线：0951-8666662/8666663/8666664

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
Spare Parts																				
➢ Spare parts	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

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.

ABB传动宁夏服务热线：0951-8666662/8666663/8666664