



# Maintenance Schedule

DOCMSSAMIF001

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## SAMI STAR AC drive

<b>Legend:</b>	
Replacement of component	<b>R</b>
Inspection (visual inspection, correction and replacement if needed)	<b>I</b>
Performance of on-site work (commissioning, tests, measurements, etc.)	<b>P</b>
Replacement if high ambient temperature or cyclic heavy duty	<b>(R)</b>

	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
<b>Start-up</b>	P																				
<b>Cooling</b>																					
➤ Cooling fan (airflow < 120 dm <sup>3</sup> /s)		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I
➤ Cooling fan (airflow > 120 dm <sup>3</sup> /s)		I	I	I	I	I	I	R	I	I	I	I	I	I	R	I	I	I	I	I	I
<b>Aging</b>																					
➤ <b>GTR:</b>																					
➤ Battery			I	R		I	R		I	R		I	R		I	R		I	R		I
➤ Electrolytic capacitors (PAC)											(R)		R								(R)
➤ Electrolytic capacitors (CBU)											(R)		R								(R)
➤ <b>GTO:</b>																					
➤ Battery			I	R		I	R		I	R		I	R		I	R		I	R		I
➤ Electrolytic capacitors (PAC, CHC)						I		R					I		R						I
➤ Electrolytic capacitors (CBU)											(R)		R								(R)
➤ Chopper and snubber capacitors						I					R					I					R
➤ Snubber diodes						I					R					I					R
<b>Connections &amp; Surroundings</b>																					
➤ Ribbon cables (connections)						I					R					I					R
➤ Fiber optic cables (connections)						I					I					I					I
➤ Tightening of crimping connections						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
➤ Quality of supply voltage		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
<b>Improvements</b>																					
➤ SW / HW upgrade		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Input thyristor bridge (upgrade)		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
➤ Based on product notes		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
<b>Measurements</b>																					
➤ 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
<b>Spare Parts</b>																					
➤ Spare Parts		I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P	I	P

**Note!** Service intervals and component replacements are based on the operational environment specified by ABB. Please refer to service instructions and product manuals for more information or go to [www.abb.com/drivesservices](http://www.abb.com/drivesservices).