



Maintenance Schedule

DOCMSACV70001

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ACV700 AC drive

Legend:	
Replacement of component	R
Inspection (visual inspection, correction and replacement if needed)	I
Performance of on-site work (commissioning, tests, measurements, etc.)	P
Replacement if high ambient temperature or cyclic heavy duty	(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
Start-up	P																				
Cooling																					
> IGBT: Cooling fan		I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I	R	I	I
> GTO: Cooling fan		I	I	I	I	I	I	R	I	I	I	I	I	I	R	I	I	I	I	I	I
Aging																					
> IGBT:																					
> Relays (SNAT 604 IFS)								I			R								I		R
> Electrolytic capacitors (SNAT 7261 INT)											(R)		R								(R)
> Electrolytic capacitors (CBU)											(R)		R								(R)
> GTO:																					
> Relays (SNAT 607 MCI)								I			R								I		R
> 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
Connections & Surroundings																					
> 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
Improvements																					
> 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
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	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.