






























VOLVO		STANDARD MAINTENANCE PROCEDURE					SMP N° : 0003	
STATION: 2V11		TASK SMP : QUARTERLY INSPECTION OF V11=V01AR21UT BRAUER TIP / CAP CHANGER			VALIDATION / STAMP		TIME (min): 58	
SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB					ENG		Created: 12/01/2022	
LEDGER COMPONENTS :					MAN POWER 1		SAFETY	
MANDATORY PPE:  			SPECIFIC PPE: No special PPE beyond standard for this check.			HAZARDS: Electricity, Pinch Points, Robot Movement  		
STEP	ITEM	INSTRUCTION	HAZARD	SAFETY PROCEDURES	TOOL	PARAMETER	ACTION (min)	
1		Lock out robot cell.		 	LOCK	UNABLE TO START CELL	1	
2	1	Visually inspect all electrical connections to the Brauer Tip / Cap Changer. Ensure the electrical connections are free of any cuts, exposed or fraying wires. If required, replace the electrical connections with identical ones.			VISUAL	GOOD CONDITION	3	
3	2	Inspect the cap collection bag. If full, empty the bag and reattach o the cap changer unit.			VISUAL / TORQUE WRENCH	GOOD CONDITION	3	
4	3	Visually inspect the electrode cap cartridge unit and verify the cartridge unit is full. If empty, load the cartridge with the required number of caps.			VISUAL	GOOD CONDITION	3	
5	4	Lubricate the gear box unit with Staburags NBU12 with 10ml of lubricant.			TOOL KIT, GREASE GUN	GOOD CONDITION / LUBRICATED	3	
6	5	Visually inspect the Brauer Tip / Cap Changer's digital I/O unit for any damage, loose connections, or fraying wires. If required, replace the digital I/O unit with an identical one.			VISUAL	GOOD CONDITION / LUBRICATED	3	
7	6	Visually inspect the Brauer Tip / Cap Changer for any dirt, dust, or other buildup. Use a clean, lint-free rag to remove the dirt from the cap changer.			VISUAL	GOOD CONDITION	15	
8	7	Inspect the electrode cap changing head, if damage or wear is found, disassemble the cap changing head and replace.			VISUAL	GOOD CONDITION	10	
9	8	Reassemble the electrode cap changing head.			VISUAL	GOOD CONDITION	10	
10	9	Visually inspect the holder unit for any damage or wear. Verify the mounting bolts are secured and are not loose.			VISUAL	GOOD CONDITION	2	
11	10	Visually inspect the electrical switch box for any damaged, broken components. If any components are found, replace them with identical ones.			VISUAL	GOOD CONDITION	3	
12		Restore robot cell to operational state.		 		EQUIPMENT READY / NO ALARMS	2	
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