


















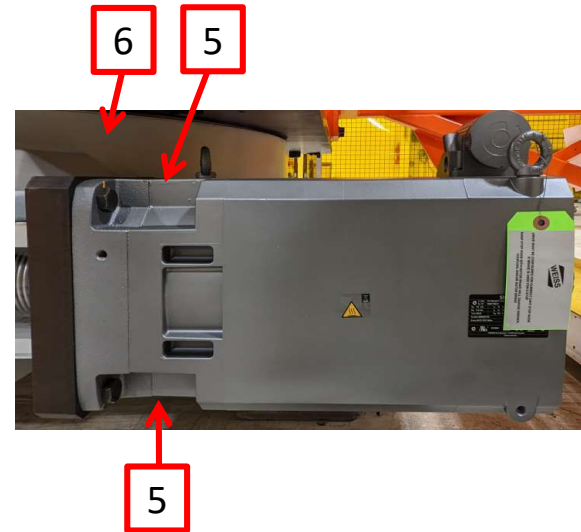
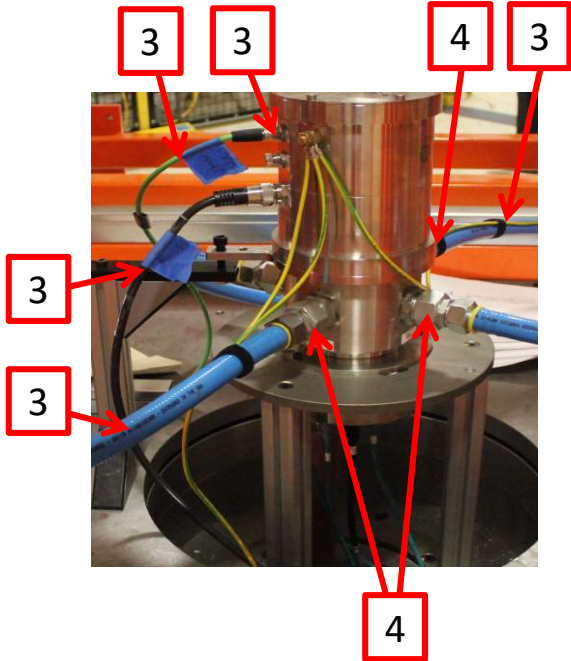
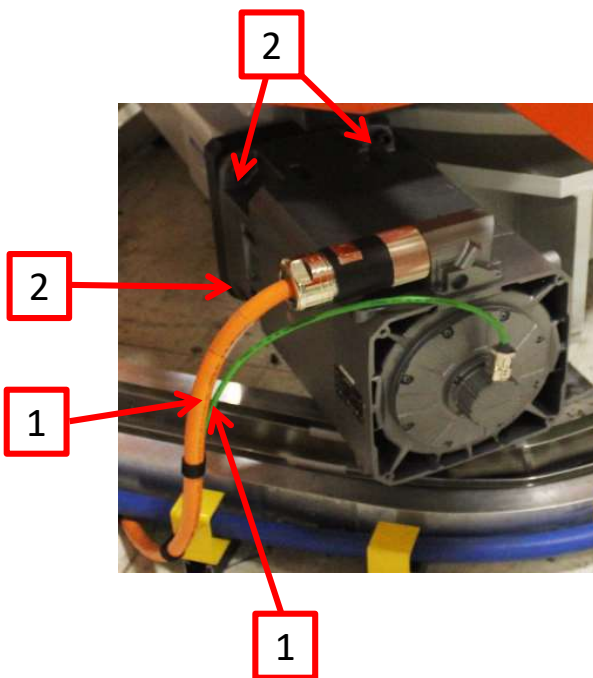




















VOLVO		STANDARD MAINTENANCE PROCEDURE					SMP N° : 0002	
STATION: 2V11		TASK SMP : MONTHLY INSPECTION OF V11=V01WR1 WEISS TURNTABLE			VALIDATION / STAMP		TIME (min): 36	
SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB					ENG		Created: 12/01/2022	
LEDGER COMPONENTS :					MAN POWER 1		SAFETY	
MANDATORY PPE:		SPECIFIC PPE: No special PPE beyond standard for this check.			HAZARDS: Electricity, Pinch Points, Air, 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 entire Weiss turntable unit. Pay extra attention to the areas near the gear motor's connections for any damaged or exposed / fraying wires. Replace the gear motor's connections as necessary.			VISUAL	GOOD CONDITION	3	
3	2	Visually inspect the Weiss Turntable's gear motor, inspect the match marks on the mounting bolts and verify they're aligned. Retighten the bolts as required.			VISUAL / TORQUE WRENCH	GOOD CONDITION	5	
4	3	Visually inspect the Weiss Turntable's service union for any damage, loose connections, damaged cables, or exposed / fraying wires. Replace the connections as necessary.			VISUAL	GOOD CONDITION	5	
5	4	Visually inspect the fittings attached to the service union for escaping air. Replace fittings if necessary.			VISUAL	GOOD CONDITION	5	
6	5	Visually inspect lubrication level of the Weiss Turntable's gear motor. Perform oil change / lubrication procedure as required.			TOOL KIT, LUBRICATION, DRAIN PAN	GOOD CONDITION / LUBRICATED	15	
7	6	Visually inspect turntable unit for excessive build up, clean unit with clean rag and a plant approved solvent to remove any excessive dirt, dust, or grime from the unit.			VISUAL	GOOD CONDITION	2	
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STATION: 2V11

TASK SMP : MONTHLY INSPECTION OF V11=V01WR1 WEISS TURNTABLE

SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB

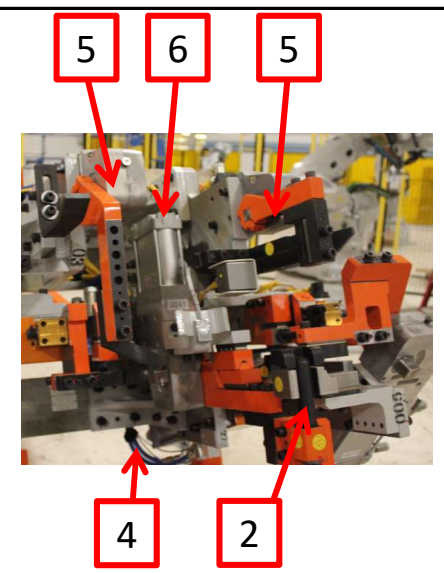
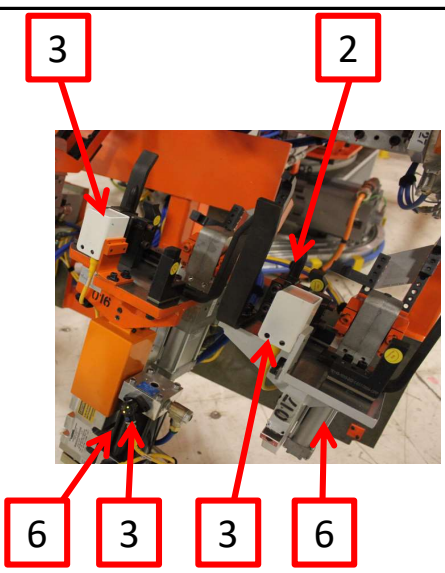
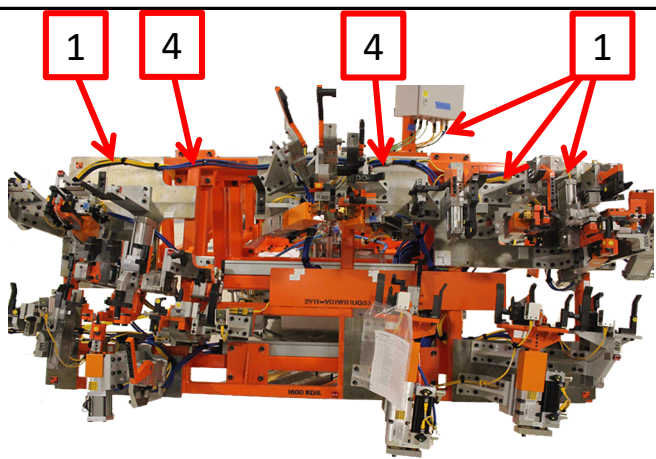




















VOLVO		STANDARD MAINTENANCE PROCEDURE					SMP N° : 0002	
STATION: 2V11		TASK SMP : MONTHLY INSPECTION OF V01WR1UQ51 / V01WR1UQ53 GEO FIXTURE			VALIDATION / STAMP		TIME (min): 28.5	
SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB					ENG		Created: 12/01/2022	
LEDGER COMPONENTS :					MAN POWER 1		SAFETY	
MANDATORY PPE:			SPECIFIC PPE: No special PPE beyond standard for this check.		HAZARDS: Electricity, Pinch Points, Air, Robot Movement			
 					 			
STEP	ITEM	INSTRUCTION	HAZARD	SAFETY PROCEDURES	TOOL	PARAMETER	ACTION (min)	
1		Visually inspect both Geo Fixtures for any damage or wear, use clean rag and a plant approved cleaning agent to remove any weld spatter from the fixture.			CLEAN RAG CLEANING SOLUTION	GOOD CONDITION	1	
2	1	Visually inspect all electrical connections on both Geo Fixtures, ensure all connections are free of cuts, fraying, and exposed wires. Replace the electrical connections with identical components.			VISUAL	GOOD CONDITION	2.5	
3	2	Visually inspect all locator pins on the Geo Fixtures and verify they are not damaged. If required, replace the locator pins with identical components.			VISUAL	GOOD CONDITION	5	
4	3	Visually inspect the Turck inductive and proximity sensors for any damage or wear. Replace the inductive and proximity sensors with identical components.			VISUAL	GOOD CONDITION	5	
5	4	Visually inspect the pneumatic connections and air hoses connected to the geo fixture for any leaking air or damaged connections. Replace the hoses as necessary.			VISUAL	GOOD CONDITION	5	
6	5	Visually inspect the clamping elements on the geo fixtures and verify that they are in proper working condition. Replace the clamping elements with identical components.			VISUAL	GOOD CONDITION	5	
7	6	Inspect the pneumatic cylinders for any damage or leaking air, replace the cylinder with an identical one if leaking air is found.			VISUAL	GOOD CONDITION	5	
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STATION:

TASK SMP : MONTHLY INSPECTION OF V01WR1UQ51 / V01WR1UQ53 GEO FIXTURE

SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB

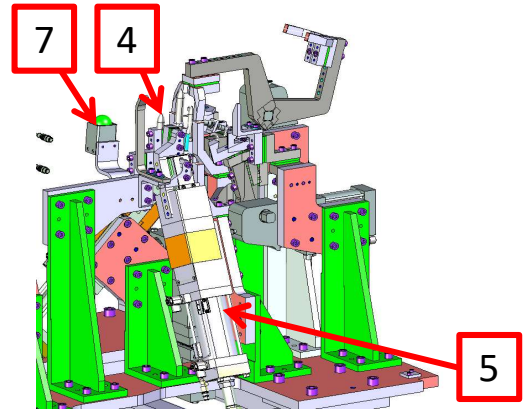
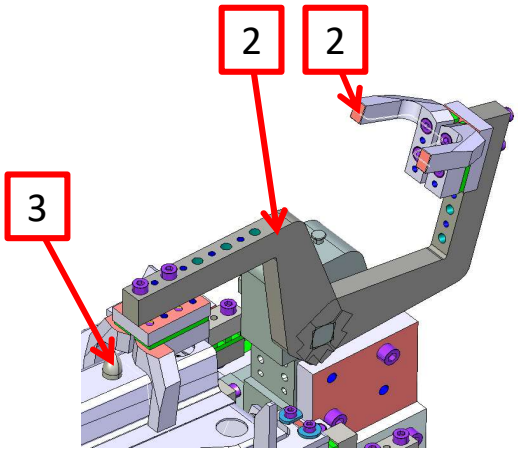
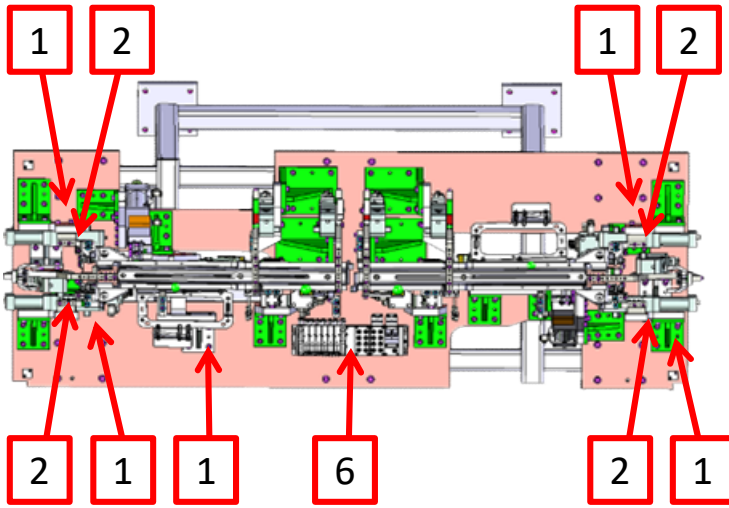


VOLVO		STANDARD MAINTENANCE PROCEDURE					SMP N° : 0002	
STATION: 2V11		TASK SMP : MONTHLY INSPECTION OF V01WR1UQ52 GEO FIXTURE			VALIDATION / STAMP		TIME (min): 24	
SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB					ENG		Created: 11/29/2022	
LEDGER COMPONENTS :					MAN POWER 1		SAFETY	
MANDATORY PPE:			SPECIFIC PPE: No special PPE beyond standard for this check.		HAZARDS: Electricity, Pinch Points, Air, Robot Movement			
 					 			
STEP	ITEM	INSTRUCTION	HAZARD	SAFETY PROCEDURES	TOOL	PARAMETER	ACTION (min)	
1	1	Visually inspect the Geo Fixture for any dirt, debris, or weld spatter. Use a clean rag and a plant approved cleaning solution to remove the dirt, debris, and build up from the geo fixture.			CLEAN RAG CLEANING SOLUTION	GOOD CONDITION / CLEAN	1	
2	2	Visually inspect the Tunkers clamping elements located on the Geo Fixture. Look for any loose components, worn clamps, fraying or exposed wires, or other outstanding damage. If required, replace the clamping elements with identical components.			VISUAL	GOOD CONDITION	5	
3	3	Visually inspect the Misumi locator pins and verify they are not broken, chipped, or have any other outstanding damage. If required, replace the locator pins with identical ones.			VISUAL	GOOD CONDITION	2	
4	4	Visually inspect the Welker shot pins for any damage or wear, verify the shot pins are not broken, chipped, or loose. If required, replace the shot pins with identical components.			VISUAL	GOOD CONDITION	5	
5	5	Visually inspect the Welker shot pin cylinders located on the Geo Fixture. Listen for any sounds of escaping air, loose components, or other outstanding damage. If required, replace the Welker shot pin cylinders with identical components.			VISUAL	GOOD CONDITION	5	
6	6	Visually inspect the pneumatic manifold mounted on the Geo Fixture. Verify that all solenoid valves, electrical connections, and air lines are all free of damage, wear, or other damage.			VISUAL	GOOD CONDITION	5	
7	7	Visually inspect the Turck inductive sensors for any damage, wear, or build up. Use a clean rag and a plant approved cleaning solution to remove any dirt, dust, or build up from the sensors.			CLEAN RAG CLEANING SOLUTION	GOOD CONDITION / CLEAN	1	
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STATION: 2V11

TASK SMP : MONTHLY INSPECTION OF V01WR1UQ52 GEO FIXTURE

SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB



STATION: 2V11

TASK SMP : MONTHLY INSPECTION OF V01WR1UQ54 GEO FIXTURE

SUB-SYSTEM: AUTOMATED CELL - BODYSIDE SUB

