



PoolCop Genesis

Maintenance Manual



Date: January 10th, 2022 Manual Version: GN44MMANEN Firmware Version: V44 Product Versions: PoolCop Genesis

CE

Change Summary

Januray 10th, 2022 : First edition

Table of Contents

Section 1	Technical support and support levels	4
1.1	L1 Level Support	4
1.2	L2 Level Support	4
1.3	L3 Level Support	4
1.4	L4 Level Support	4
Section 2	Tools, Equipment and Consumables	5
2.1	General Guidelines on Tools and consumables	5
2.2	Tool Kit	5
2.3	Recommended Consumables	5
2.4	Recommended Spare parts Kit	5
Section 3	Servicing the Data Control Connection Unit DCCU	6
3.1	SDCCU_01_EN: Shut down the DCCU	6
3.2	SDCCU_02_EN: Powering Up the Control Connection Unit	7
3.3	SDCCU_03_EN: Checking Voltages in Data Control Connection Unit	8
3.4	SDCCU_04_EN: Checking/Replacing the DCCU Fuses	10
3.5	SDCCU_06_EN: Checking Level Sensor Inputs	11
3.6	SDCCU_07_EN: Checking Solenoid Valve Output	15
3.7	SDCCU_08_FR: Checking Pump and Aux Relays	17
3.8	SDCCU_10_EN: Replacing the Power Supply PCB103 Board	21
3.9	SDCCU_11_EN: Replacing Air Temperature Sensor	23
3.10	SDCCU_13_EN: Checking Inputs	24
3.11	SDCCU_14_EN: Replacing Water Level Sensor	27
3.12	SDCCU_15_EN: Checking/Replacing The Keyboard	29
3.13	SDCDU16_EN: Checking/Replacing the 3.0V Coin Cell	32
3.14	SDCCU17_EN: Replacing the Firmware via USB	34
3.15	SDCCU18_EN: Replacing the PCB004 Board or LCD Screen	38
3.16	SDCCU19_EN: Replacing the Connection Cable	41
3.17	SDCCU_20_EN: Replacing Datalink Cable	43
3.18	SDCCU_21_EN: Cleaning/Calibrating/Replacing the pH/ORP Sensor	45
3.19	SDCCU_22_EN: Checking pH Reading Circuitry	50
3.20	SDCCU_23_EN: Checking ORP Reading Circuitry	52
3.21	SDCCU_24_EN: Replacing PCB Connection SE Data PCB005 Board	54
3.22	SDCCU_25_EN: Replacing Pressure Sensor	56
3.23	SDCCU_26_EN: Replacing Water Temperature Sensor	58

Section 1 TECHNICAL SUPPORT AND SUPPORT LEVELS

PCFR SAS La Remise, 861 Boulevard du Nord 84160, Cucuron France

contact@poolcop.fr

1.1 L1 Level Support

L1 is the support level for initial client contact and basic client issues.

The first objective of L1 support personnel is to gather the client's information and to determine the client's issue by analyzing the symptoms and to determine the underlying problem. Once identification of the underlying problem is established, the specialist can begin sorting through the possible solutions available. L1 support typically handles straightforward and simple problems using basic troubleshooting, the product User and Installation Manuals, and this Service Manual.

L1 support can be carried out by all personnel acting as initial contact for user requests and, if required, creating an incident to notify other business teams/units to satisfy user request. The goal is to handle 70%-80% of the user problems before finding it necessary to escalate the issue to a higher level. L1 support requires good basic knowledge of the products, as well as terms and conditions offered by the business rather than detailed technical information on the product or pool maintenance.

1.2 L2 Level Support

L2 is more in-depth technical support than L1 and carried out by personnel with and more experience and technical knowledge. Technicians are responsible for assisting L1 support personnel solve basic technical problems and for investigating elevated issues by confirming the validity of the problem and seeking for known solutions related to these more complex issues.

Prior to further troubleshooting, it is important that the L2 support personnel review what has already been accomplished by during L1 support and how long the issues has been apparent for the particular client. This is a key element in meeting both the client and business needs as it ensures prioritization of the troubleshooting and proper management of time and allocation of resources.

If L2 support personnel cannot determine a solution, they will elevate this issue to L3 support. Solutions are performed by this group to help ensure the intricacies of a challenging issue are solved by providing experienced and knowledgeable technicians. This may include, but is not limited to onsite installations or replacements of various hardware components, software repair, diagnostic testing, and the utilization of remote control tools used to take over the user's machine for the sole purpose of troubleshooting and finding a solution to the problem.

1.3 L3 Level Support

This is the highest level of support in a three-tiered technical support model responsible for handling the most difficult or advanced problems. It denotes expert level troubleshooting and analysis methods. These individuals are experts in their fields and are responsible for not only assisting both Level 1 and Level 2 personnel, but with the research and development of solutions to new or unknown issues. Note that Level 3 technicians have the same responsibility as Level 2 technicians in reviewing the work order and assessing the time already spent with the customer so that the work is prioritized and time management is sufficiently utilized. If it is at all possible, the technician will work to solve the problem with the customer as it may become apparent that the Tier I and/or Tier II technicians simply failed to discover the proper solution. Upon encountering new problems; however, Tier III personnel must first determine whether or not to solve the problem and may require the customer's contact information so that the technician can have adequate time to troubleshoot the issue and find a solution. In some instances, an issue may be so problematic to the point where the product cannot be salvaged and must be replaced. Such extreme problems are also sent to the original developers for indepth analysis.

1.4 L4 Level Support

L4 represents an escalation point beyond the organization. This is generally a hardware or software vendor.

Section 2 TOOLS, EQUIPMENT AND CONSUMABLES

2.1 General Guidelines on Tools and consumables

Installers and Technicians will to carry their own full tool kit of the tools, parts and consumables needed for pool and equipment maintenance.

Over and above this there are specific items which may be specific to PoolCop installations and maintenance, or items which help and speed up installation and maintenance tasks. Some of these items are available from PCFR and listed in the current catalogue of pool equipment; these items have Part Codes indicated.

2.2 Tool Kit

Installer Tool Kit		Part Code	Comment
1.	Spanners 5mm, 20mm:		
2.	Phillips screwdriver		PH1 size
3.	screwdriver		4mm
4.	Wrench		25mm
5.	Water analysis kit		pH, FC, TC, Total Alkalinity, Hardness, CYA,

2.3 Recommended Consumables

Agreed Installers can also source installation and maintenance consumables directly from PCFR at preferential rates. We source our consumables directly from suppliers and manufacturers when possible, to ensure the best rates on these consumables for the installer and maintainer.

Recommended Consumables		Part Code	Comment
1.	Mini fuse Ø5x20mm		10x160mA temporized + 10x2A rapid
2.	ORP 470mV buffer liquid		Recommended to control sensor
3.	pH 7 buffer liquid		Recommended, not required.

2.4 Recommended Spare parts Kit

The following is a recommended spares kit to be carried. Carrying adequate spares ensures that any malfunctions or failures can be rectified timeously.

Recommended Spares Kit	Part Code	Comment
1. Data Control Connection Unit (DCCU)		
a. PCB Micro with LCD Screen PCB004-C	CF1220.01	PCB004
b. Kit PCB Connection SE Data	CF1218	PCB005
c. Kit Sensor SE pH+ORP Pt Cable 4m	SO4912	4 wires sensor
d. Kit Sensor SE pH+ORP Au Cable 4m	SO4913	4 wires sensor
e. Kit Water Temperature Sensor 4m Cable	GN4211	
f. Kit Sensor Pressure 4m Cable	GN4224	
g. Connection Cable	GN3103.01	
h. Datalink Cable Genesis	GN3102.01	
i. Kit Power Supply PCB103 EU	CF1151	230VAC, With fuses 160mA

Section 3 SERVICING THE DATA CONTROL CONNECTION UNIT DCCU

3.1 SDCCU_01_EN: Shut down the DCCU

Servicing the Data Control Connection Unit DCCU		Sup	port : L1
This Service Procedure details steps to shut down the DCCU and secure the pool if unit is on the			SDCCU_01_EN
field.		Revision	01
Tools & consumables required:		Time:	
		0:02	
Parts required	QTY	Codes	
-	-	-	
Steps	Cross Ref.	Tool, Part	
1 • Switch OFF the DCCU with standby switch.			
2 o Remove power from the DCCU using the breaker.			
 If work involve risk of water leaks: Close all valves to or from the pool. Disconnect power to the pump and auxiliaries (booster pump) Depressurize and drain the multiport valve using the sight glass or purge plug. Make sure there is no pressure on the valve housing. 			

3.2 SDCCU_02_EN: Powering Up the Control Connection Unit

Serv	vicing the	Data Control Connection Unit DCCU	Sup	port : L1	
This Service Procedure details steps to power up the DCCU and prepare the pool if unit is on the				procedure	SDCCU_02_EN
field	l.			Revision	01
Тоо	ls & cons	sumables required:		Time:	
				0:05	
Part	s require	d	QTY	Codes	
-			-	-	
Step)S		Cross Ref.	Tool, Part	
1	0	Open the valves to or from the pool for normal operation (as they			
		were before closing them all).			
	0	Check if there is no look at this stage			
	0	Check if there is no leak at this stage.			
2	0	Close the transparent DCCU face plate.			
3		CAUTION:			
	Be	careful to not pinch the ribbon cable when closing the face plate.			
4	0	Reconnect power to the DCCU.			
	0				
5	0	Switch ON the DCCU.			
	0	Check that the 2 LED Power and Battery are ON.			
	0	Check firmware version displayed at the LCD screen.			
	0	If displayed screen stay blank, or blink switch OFF the DCCU and			
		review your latest operation for any error /default.			
	0	If pump is running continuously (except 24/24 filtration mode) or			
		valve is rotating continuously, switch OFF the DCCU and review your			
		latest operation.			
6	0	Filtration may start if a filtration cycle is programmed			
End	of Servic	e Procedure			

3.3 SDCCU_03_EN: Checking Voltages in Data Control Connection Unit

Serv	ricing the Data Control Connection Unit DCCU	Sup	port : L2	
This	Service Procedure details steps to check if mains is apply to DCCU.		procedure	SDCCU_03_EN
			Revision	01
Тоо	ls & consumables required:		Time:	
- sci	rewdriver		0:10	
- VO	Itmeter compliant with 240Vac voltage			
Part	s required	QTY	Codes	
-		-	-	
Step		Cross Ref.	Tool, Part	
1 2	DISASSEMBLE			
2	WARNINGI FLECTRIC SHOCK HAZARDI			
	This Service Procedure is strictly reserved to trained and authorized			
	personnel.			
3	 Open the DCCU face plate. 		Screwdriver	
	Prove			
	Battery			
	Genesis			
	1977 URN 22 LOCK De 140 Leven mars de			
	Hard Cold Sold and 10 Acids and			
	Disconnet power stage's Disconnet for a stage of the stag			
4	CHECK 220Vac (110Vac)			
5	• Using a voltmeter on VAC range, check voltage between		Voltmeter	
	NEUTRAL and LIVE terminals close to the transformer.			
	O value ranges are. 200Vac to 240Vac for 220Vac networks			
	 100Vac to 120Vac for 110Vac networks. 			
	Maine terminale			
	Iviality terminary			
	WALKE THE THE THE THE THE THE			
6	\circ If voltage is not in the valid range, please contact electrical			
	distribution network. PoolCop may encounters malfunctions.			

7	CHECK 24Vac		
8	 Unplug terminal J26. 		Voltmeter
	• Using a voltmeter on VAC range, check voltage on the 24V(AC)		
	terminal.		
	• Valid range is 22Vac to 28Vac .		
	the second se		
	<u>те</u> на с		
	(D) Relays out		
	CITICATION CONTRACTOR		
9	• If voltage is not in the valid range, please note that PoolCop may		
	encounters malfunctions in time.		
	"Replacing the PCB103 Board" Service Procedure.	SDCC0_10_EN	
10	• If 24Vac voltage is null with switch ON and fuses controlled as	SDCCU_04_EN	
	correct (following SDCCU_04_EN Service Procedure), then the transformer is out of order		
	 The Power Supply PCB103 cannot be repaired. 		
	 Replace this PCB following "Replacing the PCB103 Board" 	SDCCU_10_EN	
	Service Procedure.		
11	 Plug back J26. 		
12	CHECK 12VDC		
13	 Using a voltmeter on VDC range, check voltage on the +12V terminal 125 located below the transformer 		Voltmeter
	• Valid range is 12.5Vdc to 13.8Vdc .		
	DI 4_ R13		
	12/14-1		
14	• If 12Vdc voltage is null with switch ON and fuses controlled as	SDCCU_04_EN	
	Procedure, then the PCB103 Board is damaged		
	• Replace this PCB following "Replacing the PCB103 Board"	SDCCU_10_EN	
	Service Procedure.		
15	REASSEMBLE		
16	 Close the transparent DCCU face plate. 		
17	CAUTION:		
	be careful to not plinch the ribbon cable when closing the face plate.		
End	of Service Procedure		

3.4 SDCCU_04_EN: Checking/Replacing the DCCU Fuses

Servicing the Data Control Connection Unit DCCU Support : L2					
This Service Procedure details steps to check and replace DCCU fuses.			procedure	SDCCU_04_EN	
			Revision	01	
Tools	& consumables required:		Time:		
- Ohm	nmeter		0:15		
Parts r	required	QTY	Codes		
- Glass	s fuse 5x20mm 160mA Slow Blow	1	-FS5x20-160	mA Slow	
Steps		Cross Ref.	Tool, Part		
1	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN			
2	WARNING! ELECTRIC SHOCK HAZARD! Make sure every electrical energy sources have been cut off before continuing				
3	 Open the DCCU face plate. 		Screwdriver		
4	 Remove the power fuses F1 and F2 close to the mains connector J3 (160mA slow blow). Image: Figure F2 for the figure for the figure				
5	 Using the Ohm meter, check fuse continuity and sizing. Replace fuse by same size and up to 160mA Slow Blow if fuse is blown. 		Ohm meter F5x20-160m	4	
6	• Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN			
End of	f Service Procedure	÷	•		

3.5 SDCCU_06_EN: Checking Level Sensor Inputs

Servicing the Data Control Connection Unit DCCU				Sup	port : L3
This	Service l	Procedure details steps to check the level sensor inputs		procedure	SDCCU_06_EN
				Revision	01
Тоо	ls & cons	sumables required:		Time:	
- Sc	rewdrive	rs		0:30	
Part	s require	d	QTY	Codes	
- 0.5	5mm², 10	cm length wire	3	-	
Step	os		Cross Ref.	Tool, Part	
1	DISASS	EMBLE			
2	0	Using PoolCop menu MENU>WATER_AND_TREATMENT> WATER_LEVEL, check that water control is installed. If mode is set to AUTO or REDUCE, set it to REFILL.			
3	0	Using PoolCop MENU>MANUAL_CONTROL>PUMP, stop the pump. Make sure there is no risk of water overflow when pump is stopped, close the adequate valves if needed.			
4	0	In the technical room, close the manual valve on refilling water network.			
5	0	Open the DCCU face plate.		Screwdrive	r
6	0	Unplug the terminal from J20. Disconnect the cables on WL(PROT), WL(LOW), WL(HIGH) and WL(COM) terminal. Make sure you will be able to reconnect these cables in the same order.			

7	CHECK			
8	0	Using the PoolCop menu MENU>MANUAL_CONTROL >ADJUST LEVEL, screen should then display 'Checking level in progress Action running'.		
	0	Return to the main screen pressing QUIT 2 times. Once the level is updated (approx. 40 seconds), level is indicated.		
9	0	If level is " Faulty ", then the Power Supply PCB103 need to be replaced.	SDCCU_10_EN	
	0	stop this procedure.		
10	0	Otherwise, level should be " Low " with 3 vertical blinking arrows confirming that the refill is on-going.		
11	0	Using a 0.5mm ² wire, establish a connection between WL(COM) and WL(LOW) .		
	0	Plug the connector into J20 terminal.		
12	0	On PoolCop main menu, level should appear " Normal " within 1 minute and 3 vertical blinking arrows should confirm the refill is still on-going.		
13	0	If level remains " Low " or becomes " Faulty " after 1 minute, then the Power Supply PCB103 need to be replaced.		
	0	Follow "Replacing the PCB103 Board" Service Procedure and stop this procedure.	SDCCU_10_EN	
14	0	Unplug the terminal from J20. Using 2x0.5mm ² wire, establish a connection between WL(COM), WL(LOW) and WL(HIGH).		
	0	Plug the connector into J20 terminal.		

PoolCop Genesis Maintenance Manual: GN44MMANEN

15	 On PoolCop main menu, level should appears "High" within 1 minute. The 3 vertical arrows should disappear, refill should stop. 		
16	 If level remains "Low", "Normal" or become "Faulty" after 1 minute, then the Power Supply PCB103 need to be replaced. Follow "Replacing the PCB103 Board" Service Procedure and stop this procedure. 	SDCCU_10_EN	
17	 Unplug the terminal from J20. Using 3x0.5mm2 wire, establish a connection between WL(COM), WL(LOW), WL(HIGH) and WL(PROT). 		
18	 o Plug the connector into J20 terminal. o On PoolCop main menu, if the 3 vertical arrows have disappeared, go to PoolCop menu MENU>MANUAL_CONTROL> ADJUST LEVEL, ask for a pool refill, screen should then display 'Checking level in progress Action running'. o On PoolCop main menu level should appears "V_High" within 1 minute. 		
19	 If level remains "Low", "Normal", "High"" or become "Faulty" after 1 minute, then the Power Supply PCB103 need to be replaced. Follow "Replacing the PCB103 Board" Service Procedure and stop this procedure. 	SDCCU_10_EN	
20	DEASSEMDIE		
21	 On PoolCop main menu, if the 3 blinking arrow are still present, then go to MENU>MANUAL_CONTROL>STOP_REFILL, validate, screen should then display 'Refill stopped'. 		
22	 Unplug connector from J20. Disconnect the temporary wires from the water level connector. 		
23	 Reconnect the wires from the water level sensor wires to their respective pins. Plug back connector into J20 terminal. 		
24	• Close the transparent DCCU face plate.		
25	CAUTION:		
	Be careful to not pinch the ribbon cable when closing the face plate.		
26	 Restore water level settings if they were changed when starting this procedure. 		
27	• Re Open the manual valve on the fresh water network.		
28	• If needed, Open the valve to the pool closed in step 2.		

29	0	Enter and leave PoolCop MENU>TIMER FILTRATION. Pump and auxiliaries will return to their desired status.	
End	of Servic	e Procedure	

3.6 SDCCU_07_EN: Checking Solenoid Valve Output

Ser	vicing the	Data Control Connection Unit DCCU		Su	pport : L3
This	This Service Procedure details steps to check the output to water refill solenoid valve.			procedure	SDCCU_07_EN
				Revision	01
Тоо	ls & cons	sumables required:		Time:	
- Vo	oltmeter			0:15	
- Sc	rewdriver				
Dart	te roquiro	d	ΟΤΥ	Codes	
-	is require	ŭ	-	-	
Ster	OS		Cross Ref.	Tool, Part	
1	DISASS	EMBLE			
2	0	Using PoolCop menu MENU>WATER_AND_TREATMENT>			
		WATER_LEVEL, check that water control is installed.			
	0	If mode is set to READ or REDUCE, set it to REFILL.			
3	0	Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the			
		pump. Make sure there is no risk of water overflow when pump			
		is stopped, close the adequate valves if needed.			
4	0	In the technical room, close the manual valve on refilling water			
		network.			
5	0	Open the DCCU face plate.		Screwdriver	~
		Power			
		Battery			
		Genesis			
		HOLDER DE LA CONTROL CONTROL CONTROL CONTROL CONTROL HAZARD MACANTA CONTROL CONTROL CONTROL CONTROL HAZARD MACANTA CONTROL CONTROL CONTROL CONTROL DATACONTROL CONTROL CONTROL CONTROL DATACONTROL CONTROL CONTROL CONTROL CONTROL DATACONTROL CONTROL CONTROL CONTROL CONTROL CONTROL HAZARD MACANTA CONTROL CONTR			
		Disconcet power surgery Disconcete Lisource previous and de pleis template and de tris template and de template and de te			
6	0	Upplug the Water level connector from 120			
0	0	onplug the water level connector from 520.			
		Lipu Higi			
		24VA CONST CO			
7	CHECK				
8	0	Using the PoolCop menu MENU>MANUAL_CONTROL>ADJUST			
		LEVEL, screen should then display 'Checking level in progress			
	_	Action running.			
	0	Once the level is undated (approx 40 seconds) level is indicated			
	•		•	•	

9	0	If level is " Faulty ", then the Power Supply PCB103 need to be replaced.		
	0	Follow "Replacing the PCB103 Board" Service Procedure and stop this procedure.	SDCCU_10_EN	
10	0	Otherwise, level should be " Low " with 3 vertical blinking arrows confirming that the refill is on-going.		
11	0	Using the voltmeter on VAC range, check for 24VAC voltage on the VALVE 24VAC .		Voltmeter
	0	If no voltage or voltage is lower than 16VAC , then the Power Supply PCB103 need to be replaced. Follow "Replacing the PCB103 Board" Service Procedure and stop this procedure.	SDCCU_10_EN	
12	0	Plug back the connector into J20.		
	0	Using the voltmeter on VAC range, check for 24VAC voltage on the VALVE 24VAC		
	0	If no voltage or voltage is lower than 16VAC , the solenoid, or the wiring to the solenoid need to be checked/replaced.		
13	0	On PoolCop main menu, if the 3 blinking arrow are still present, then go to MENU>MANUAL_CONTROL>STOP_REFILL, validate, screen should then display 'Refill stopped'.		
14	0	On PoolCop main menu check for no vertical blinking arrows.		
15	0	Using the voltmeter on VAC range, check for no voltage on the		Voltmeter
	0	If voltage is above 1VAC , then the Power Supply PCB103 needs	SDCCU_10_EN	
		to be replaced. Follow "Replacing the PCB103 Board" Service Procedure and stop this procedure.		
16	RFASSE	MBLE		
17	0	Plug back the water level connector to the terminal J20.		
18	0	Close the transparent DCCU face plate.		
19		CAUTION:		
	Be ca	areful to not pinch the ribbon cable when closing the face plate.		
20	0	Reopen the manual valve on the fresh water network.		
21	0	If needed, Open the valve to the pool closed in step 2.		
22	0	Enter and leave PoolCop MENU>TIMER FILTRATION.		
	0	Pump and auxiliaries will return to their desired status.		
End	of Servic	e Procedure		

3.7 SDCCU_08_FR: Checking Pump and Aux Relays

Servicing the Data Control Connection Unit DCCU			Supp	port : L3
This	Service Procedure details steps to check pump and aux relays.	procedure	SDCCU_08_EN	
Not	e: Relays are rated for 6A. External circuitry must provide a protection a	Revision	01	
ratir	Ig.	Time:		
- Oł	nm meter		0.15	
- Sc	rewdriver		0.15	
Part	s required	QTY	Codes	
-		-	-	
Step	os	Cross Ref.	Tool, Part	
1	DISASSEMBLE			
2	• Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the			
	\circ Make sure there is no risk of water overflow when pump is			
	stopped, close the adequate valves if needed.			
	 Using PoolCop MENU>CONFIGURATION>FILTER_DATA, set 			
	the "Waste Valve" to NO.			
	• Using PoolCop MENU>MANUAL CONTROL>AUXILIARIES,			
	stop all running auxiliaries, if any.			
3	 Disconnect nower to nump and auxiliaries and make sure no 			
	external electrical sources may energize them.			
	, 5			
4				
	WARNING! ELECTRIC SHOCK HAZARD!			
	Make sure every energy source has been cut off before continuing			
5	 Open the DCCU face plate. 		Screwdriver	
	Power Battery			
	Genesis			
	Transformed and and an			
	December to bourse way to be a constrained on the second of the second o			
6	CHECK PUMP			
7	 Using the PoolCop menu MENU>CONFIGURATION> 			
	PUMP_DATA, configure pump as "mono speed" pump. If			
	pump is multi speed, note the selected speed for 24/24,			
	cycle1, cycle2 and Backwash.			
8	 Unplug the connector on PUMP. 			
	RO RO RO RO RO RO RO			
	Antonia Carriera Carr			

9	0	Using the Ohmmeter check if there is no continuity between the two PUMP pins . If the continuity is proven, then the Power Supply PCB103 needs to be replaced. Follow "Replacing the Power supply PCB103 Board" Service Procedure and stop this procedure	SDCCU_10_EN	Ohm meter
10	0	Using the PoolCop menu MENU>MANUAL_CONTROL> PUMP, start the pump .		
11	0	Using the Ohmmeter check if there is continuity between the two PUMP pins . If no continuity is detected, then the Power Supply PCB103 needs to be replaced. Follow "Replacing the Power Supply PCB103" Service Procedure and stop this procedure.	SDCCU_10_EN	Ohm meter
12	0	Using the PoolCop menu MENU>MANUAL_CONTROL> PUMP, stop the pump .		
13	0	Plug back the connector on PUMP .		
14	CHECK	AUX1 to AUX5		
15	0	Disconnect the connector on AUXn .		
16	0	" " 표종 공왕		Ohm meter
	0	AUXn pins . If the continuity is proven, then the Power Supply PCB103 needs to be replaced. Follow "Replacing the Power Supply PCB103" Service Procedure and stop this procedure.	SDCCU_10_EN	
17	0 0 0	Using the PoolCop menu MENU>MANUAL_CONTROL> AUXILIARIES, set AUXn to ON . Note1: if AUxn is "Available", configure it to "Garden 1" for the test. Note2: if AUX5 is reserved for "Waste", go in MENU> CONFIGURATION>FILTER DATA and set "Waste Valve" to NO. Note3: if AUX5 is reserved for "Clean valve", go in MENU> CONFIGURATION>FILTER DATA and set "Clean Valve" to NONE.		
18	0	Using the Ohmmeter check if there is continuity between AUXn pins . If no continuity is detected,, then the Power Supply PCB103 needs to be replaced. Follow "Replacing the Power Supply PCB103" Service Procedure and stop this procedure.	SDCCU_10_EN	Ohm meter
19	0	Using the PoolCop menu MENU>MANUAL_CONTROL> AUXILIARIES, set AUXn to OFF .		
20	0	Plug back the connector on AUXn .		
21	0	Repeat from step 15 for all Auxiliary channels up to Aux5.		

22	 Using the PoolCop menu MENU>CONFIGURATION> 		
	PUMP_DATA, restore the pump configuration.		
	FILTER_DATA, restore Aux5 setting if changed.		
23	CHECK AUX6		
24	• Unplug the connector on AUX6 .		
	A ANTINA A A		
	H V D + 0 V H		
	[™]		
25	• Using the Ohmmeter check if there is no continuity between		Ohm meter
	AUX6 pins.		
	needs to be replaced. Follow "Replacing the Power Supply	SDCCO_IO_EN	
	PCB103" Service Procedure and stop this procedure.		
26	Ling the Decker many MENUS MANUAL CONTROLS		
20	AUXILIARIES, set AUX6 to ON .		
	 Note: If AUX6 is used has a mean to control disinfection, then 		
	go to MENU> WATER_AND_TREATMENT> ORP_CONTROL		
	and ask for priming and stay in this menu.		
27	o Using the Ohmmeter check if there is continuity between		Ohm meter
	AUX6 pins.		
	 If no continuity is detected, then the Power Supply PCB103 needs to be replaced. Follow "Replacing the Power Supply 	SDCCU_10_EN	
	PCB103" Service Procedure and stop this procedure.		
28	 Using the PoolCop menu MENU>MANUAL_CONTROL> ALIXILLARIES set ALIXE to OFF If ALIXE is used has a mean to 		
	control disinfection, then leave the MENU>		
	WATER_AND_TREATMENT> ORP_CONTROL.		
20	Dive basis the connector on ALIVE		
29	o Flug back the connector on ADAO.		
30	CHECK AUX7-pH		
31	• Unplug the connector on pH.		
	And the second particular and a second particular second s		
	T		
	⁸ ⁸ ⁸ ⁹ ¹ 5 ⁸ ⁸ ¹ 5 ⁸ ⁸ ¹ 5		
32	• Using the Ohmmeter check if there is no continuity between		Ohm meter
	o If the continuity is proven then the Power Supply PCR103		
1	needs to be replaced. Follow "Replacing the Power Supply		
	PCB103" Service Procedure and stop this procedure.		
1		I	

33	0	Using the PoolCop menu MENU>WATER_AND_TREATMENT> PH_CONTROL configure pH control installed (if not), ask for priming and stay in this menu .		
34	0	Using the Ohmmeter check if there is continuity between pH pins. If no continuity is detected,, then the Power Supply PCB103 needs to be replaced. Follow "Replacing the Power Supply PCB103" Service Procedure and stop this procedure.	SDCCU_10_EN	Ohm meter
35	0	Using the PoolCop menu MENU> WATER_AND_TREATMENT> PH_CONTROL restore pH configuration if not installed, or leave the menu .		
36	0	Plug back the connector on pH.		
37	RESASS	EMBLE		
38	0	Close the transparent DCCU face plate.		
39	Be car	CAUTION: eful to not pinch the ribbon cable when closing the face plate.		
40	0	If needed, Open the valve to the pool closed in step 2.		
41	0	Enter and leave PoolCop MENU>TIMER_FILTRATION. Pump and auxiliaries will return to their desired status.		
End	of Servic	e Procedure		

3.8 SDCCU_10_EN: Replacing the Power Supply PCB103 Board

Ser∖	vicing the Data Control Connection Unit DCCU		Supp	ort : L2
This Service Procedure details steps to changes the PCB103 Board.			Procedure	SDCCU_10_EN
				01
Тоо	ls & consumables required:	Time:		
- Sc	rewdriver		0:30	
- Vc	oltmeter			
Part	s required	QTY	Codes	
- Kit -	t Power Supply PCB103 EU	- 1	CF1151	
Step	DS	Cross Ref.	Tool, Part	
1	DISSASSEMBLE			
2	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN		
3	 Open the DCCU face plate. Image: Control con		Screwdriver	
4	<section-header><text><text></text></text></section-header>			
5	• Make sure you will be able to restore correct wiring, write some note or take a picture of the DCCU before unwiring.			
6	 Unplug all connectors. 			

7	0	Use a flat screwdriver to loose wires from mains terminal.		Screwdriver
8	0	Loose the 6 screws which maintain the PCB into the enclosure Remove PCB103 Board.		
9	RESSAS	SEMBLE		
10	0	Put the new PCB in place.		CF1151
11	0	Secure the PCB with the 6 screws.		Screwdriver
12	0	Reconnect the mains wires, using a screwdriver may help. Pull on the wires to verify that they are properly maintained.		Screwdriver
13	0	Plug back all the connectors.		
14		CAUTION: Make sure to mix Pump and Aux connectors.		
15	0	Follow "Powering Up the Unit" Service Procedure.	SDCCU_02_EN	
16	0	If needed, check that the PCB103 is now working using MENU>MANUAL_CONTROL>PUMP or MENU> MANUAL_CONTROL>AUXILIARIES.		
End	of Servic	e Procedure		

3.9 SDCCU_11_EN: Replacing Air Temperature Sensor

Ser∖	vicing the Data Control Connection Unit DCCU		Supp	oort : L2
This	his Service Procedure details steps to changes the air temperature sensor.			SDCCU_11_EN
				01
Тоо	Is & consumables required:		Time:	
- Sc -	rewdriver		0:10	
Part	s required	QTY	Codes	
- Aiı	r Temperature Sensor UL	- 1	- CF1100.23	
Step	DS	Cross Ref.	Tool, Part	
1	DISSASSEMBLE			
2	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN		
3	 Open the DCCU face plate. 		Screwdriver	
	PoolCop Cenesis Market and the second and the sec			
4	 Unplug the temperature sensor from J27. Be careful to not pull on the cable but on the connector itself. 			
5	 Extract the cable from the enclosure and dispose the damaged sensor. 			
6	REASSASSEMBLE			
7	 Route the sensor cable inside the enclosure using a gland (add a new compression gland if required). 		CF1100.23	
8	CAUTION: Do not cramp the sensor cable with power cables. Leave 15cm distance.			
9	 Connect the new sensor Make sure you respect the polarizing plug to not damage it. 			
10	 Follow "Powering up the Unit" Service Procedure. 	SDCCU_02_EN		
11	 Check Air temperature indication on main screen 			
End	of Service Procedure			

3.10 SDCCU_13_EN: Checking Inputs

Serv	vicina the	Data Control Connection Unit DCCU		Sup	port : L3
This Service Procedure details steps to check the multipurpose inputs				Procedure	SDCCU 13 EN
				Revision	01
Тоо	ls & cons	umables required:		Time:	
- Sc	rewdriver			0:30	
Part	s required	b	QTY	Codes	
- 0.2	25mm2, 1	0cm length wire	- 3	-	
Step	os		Cross Ref.	Tool, Part	
1	DISASSI	EMBLE			
2	0	Using PoolCop menu MENU>CONFIGURATION>INPUTS, Set Input1 and Input 2 as not used . Note current configuration as you will have to restore it at the end of this Service Procedure.			
3	0	Open the DCCU face plate.		Screwdriver	
4	0	Disconnect the cables on IN1, IN2 and GND from terminal J17. Make sure you will be able to reconnect these cables in the same order.		Screwdriver	
5	CHECK				
6	0	Using PoolCop menu MENU>CONFIGURATION>INPUTS, Set Input1 as "Disinf consumables", "Action when closed", "Alert=YES". Using PoolCop menu MENU>CONFIGURATION>INPUTS, Set Input2 as "pH consumables", "Action when closed", "Alert=YES". Back to main menu, ensure they are no alerts, and clear all present alerts if any.			
		-			

-				
7	0	There should not remain or appear alert linked to pH or		
		Disinfection consumables.		
	0	If there is an alert, then the Power Supply PCB103 needs to be	SDCCU_10_EN	
		Procedure and stop this procedure		
		Procedure and stop this procedure.		
8	0	Using a 0.5mm2 wire, establish a connection between IN1 and		Screwdriver
		GND.		
		li 2unc-1		
		ycom		
		24UA		
9	0	On PoolCop main menu, the alert 'WARN: CONSUMABLE.		
		Check pH consumable ' should appear.		
	0	If alert doesn't appear, then the Power Supply PCB103 needs		
	0	Follow "Replacing the Power Supply PCB103" Service	SDCCU 10 EN	
	0	Procedure and stop this procedure.	0000_00_0	
10	0	The alert 'WARN: CONSUMABLE. Check disinfection		
		consumable' should <u>not</u> appear.		
	0	If alert does appear, then the Power Supply PCB103 needs to		
	0	Follow "Replacing the Power Supply PCB103 " Service	SDCCU 10 FN	
	Ű	Procedure and stop this procedure.	55666_10_214	
11	0	Disconnect the connection between IN1 and GND.		Screwdriver
	0	Using 2x0.5mm2 wire, establish a connection between IN2 and		
		GND.		
1				
1		2400 environ		
1				
10	-	On PoolCon main many the alart (MARNI CONCUMARIE		
12	0	Check Disinfection consumable' should appear		
1	0	If alert doesn't appear, then the Power Supply PCB103 needs		
	_	to be replaced.		
	0	Follow "Replacing the Power Supply PCB103 " Service	SDCCU_10_EN	
1		Procedure and stop this procedure.		
1	1			

13	 The alert 'WARN: CONSUMABLE. Check pH consumable' should <u>not</u> appear. If alert does appear, then the Power Supply PCB103 needs to be replaced Follow "Replacing the Power Supply PCB103 " Service Procedure and stop this procedure. 	SDCCU_10_EN	
14	REASSEMBLE		
15	 Reconnect the inputs wires to their respective terminal. 		Screwdriver
16	 Close the transparent DCCU face plate. 		
17	CAUTION: Be careful to not pinch the ribbon cable when closing the face plate.		
18	 Using PoolCop menu MENU>CONFIGURATION>INPUTS, restore inputs configuration. 		
19	 Enter and leave PoolCop MENU>TIMER FILTRATION. Pump and auxiliaries will return to their desired status. 		
End	of Service Procedure		

3.11 SDCCU_14_EN: Replacing Water Level Sensor

Servicing the Data Control Connection Unit DCCU			Sup	port : L2
This	procedure describes how to replace/connect the water level sensor		Procedure	SDCCU_14_EN
			Revision	01
Req	uired Tools:		Time:	
- Sc	rew driver		0:10	
Req	uired Parts	QTE	Codes	
- Wa	ater Level Sensor (Cable 20m)	- 1	- NI2010.01	
Or				
- Bu	iffer Tank Level Sensor	- 4	- NI4010	
Ster		Reference	Tool part	
Jich		Reference.		
1	• Stop the pump (MENU>MANUAL_CONTROL>PUMP).			
2	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN		
3	 Open the DCCU face plate. 		Screwdriver	
	Power Battery			
	PoolCop 🛛 🗖			
	W7 UTHIN 20 CONTRACT OF THE SECOND			
	Disconnect power supply pilet to removies			
4	 Unplug the Water Level connector J20 from the DCCU. 			
	× 24%			
	Relays			
5	 Loose wires from COM, LOW, HIGH, PROT 		Screwdriver	
	 Extract the cable from the compression gland. 			
<u> </u>				
6	• Place the new sensor starting from the water end (water side)			
7	• Route the new sensor cable end through a compression gland			
	into the DCCU.			
	• Limit the cable length inside the DCCU to less than 20cm. Cut			
	the cable it required.			
1		1	1	

8	0	Connect wires to the connector.			Screwdriver
	8.1	Make sure to connect wires in the right order or sensor being used:	depending on the		
	8.2		 ○ WL(COM) is Yellow ○ WL(LOW) is Blue ○ WL(HIGH) is Red ○ WL(PROT) is Green 		NI2010
	8.3	NORMAL LOW	 WL(COM) is Blue WL(LOW) is Blue WL(HIGH) is Blue WL(PROT) is Blue 		NI4010
9	0	Plug the connector into the terminal J20.			
10	0	Follow "Powering up the Unit" Service Procedu	ure.	SDCCU_02_EN	
11	0	When restarting, a level check will be automat Check reading is conform to real water level.	ically performed.		
12	0	Enter and leave PoolCop MENU>TIMER FILTRA Pump and auxiliaries will return to their desired	ATION. d status.		
End	of Proce	dure			

3.12 SDCCU_15_EN: Checking/Replacing The Keyboard

Servicing the Data Control Connection Unit DCCU			Supp	port : L3	
This Service Procedure details steps to check and replace the keyboard. This keyboard is glued on				Procedure	SDCCU_15_EN
the PoolCop face plate and cannot be separate from the it. In case of damage, keyboard and fae				Revision	01
plat	e must be	e replaced together.		T:	
- 50	is a cons			0.30	
- Oł	m meter			0.50	
- 2.5	54mm Ma	ale/Male expander			
Part	s require	d	QTY	Codes	
- DC	CU Face	Plate Genesis		- GN3201	
Step	S		Cross Ref.	Tool, Part	
1	DISASS	EMBLE			
2	0	Follow "Shut down the Unit" Service Procedure.	SDCCU_01_EN		
3	0	Open the DCCU face plate.			
		Power			
		Battery mitter and the second s			
		PoolCon			
		Genesis			
		C years DATE Indexes with ACRO HAZARD DEcomposition Deco			
		des Geophere Annuel Annue			
4	0	Extract the PCB by exerting outward side pressure on the support.			
5	0	The keyboard is connected to the PCB004 Board with a flat cable			
		on the right side.			
	0	Unplug this flat cable.			
			1	1	

6	0	DIAGNOSE	
7	0	Connect the 2.54mm M/M expander to the keyboard connector.	2.54mm M/M expander
8	0	With the Ohm meter and without acting on any keypad button check that there is no continuity between any of the 5 terminations. Check every possible combination. If the continuity is proven in one combination, then the Cover needs to be replaced; jump to step 14 REPLACE.	Ohm meter
9	0 0 0	Place the Ohm meter between COMMON and RIGHT . Return the cover and press the RIGHT down button. Check if continuity appears when press and disappears when release. If not correct, then the Cover needs to be replaced; jump to step 14 REPLACE.	Ohm meter
10	0 0 0	Place the Ohm meter between COMMON and LEFT . Return the cover and press the LEFT down button. Check if continuity appears when press and disappears when release. If not correct, then the Cover needs to be replaced; jump to step 14 REPLACE.	Ohm meter
11	0 0 0	Place the Ohm meter between COMMON and UP . Return the cover and press the UP arrow button. Check if continuity appears when press and disappears when release. If not correct, then the Cover needs to be replaced; jump to step 14 REPLACE.	Ohm meter
12	0 0 0	Place the Ohm meter between COMMON and DOWN . Return the cover and press the DOWN arrow button. Check if continuity appears when press and disappears when release. If not correct, then the Cover needs to be replaced; jump to step 14 REPLACE.	Ohm meter
13	0	Jump to step 17 REASSEMBLE	

15 o Using a flat screwdriver, release the spindles (if not already done) Screwdriver 16 o Replace the DCCU Face Plate. GN3201 17 REASSEMBLE Image: Comparison of the test of the test of the test of the test of t	14	REPLACE		
16 • Replace the DCCU Face Plate. GN3201 17 REASSEMBLE • 18 • Plug back the flat cable to the PCB micro Board. • • Be sure to not twist the cable, it must be flat from the cover to the processor Board. • 19 • Put the PCB micro board back in place: • • Insert the left side into the groove • • Insert the left side into the groove • • Push back the right side into the groove. Use your finger to help. You will hear a "clap" noise when the board in place. 20 CAUTION: 21 • Follow "Powering up the Unit" Service Procedure. SDCCU_02_EN	15	 Using a flat screwdriver, release the spindles (if not already done) 		Screwdriver
17 REASSEMBLE 18 • Plug back the flat cable to the PCB micro Board. • Be sure to not twist the cable, it must be flat from the cover to the processor Board. 19 • Put the PCB micro board back in place: • Insert the left side into the groove • Insert the left side into the groove • O • Push back the right side into the groove. Use your finger to help. You will hear a "clap" noise when the board in place. 20 21 • Follow "Powering up the Unit" Service Procedure.	16	 Replace the DCCU Face Plate. 		GN3201
18 • Plug back the flat cable to the PCB micro Board. • Be sure to not twist the cable, it must be flat from the cover to the processor Board. 19 • Put the PCB micro board back in place: • Insert the left side into the groove • Insert the left side into the groove • Push back the right side into the groove. Use your finger to help. You will hear a "clap" noise when the board in place. 20 CAUTION: 21 • Follow "Powering up the Unit" Service Procedure. SDCCU_02_EN	17	REASSEMBLE		
19 • Put the PCB micro board back in place: • Insert the left side into the groove • Insert the left side into the groove • Push back the right side into the groove. Use your finger to help. You will hear a "clap" noise when the board in place. 20 20 CAUTION: Make sure the board is correctly place in its holder before continuing. 21 • Follow "Powering up the Unit" Service Procedure.	18	 Plug back the flat cable to the PCB micro Board. Be sure to not twist the cable, it must be flat from the cover to the processor Board. 		
20 CAUTION: Make sure the board is correctly place in its holder before continuing. 21 • Follow "Powering up the Unit" Service Procedure. SDCCU_02_EN	19	 Put the PCB micro board back in place: Insert the left side into the groove Insert the left side into the groove Push back the right side into the groove. Use your finger to help. You will hear a "clap" noise when the board in place. 		
21 o Follow "Powering up the Unit" Service Procedure. SDCCU_02_EN	20	CAUTION: Make sure the board is correctly place in its holder before continuing.		
	21	• Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN	

3.13 SDCDU_16_EN: Checking/Replacing the 3.0V Coin Cell

Servicing the Data Control Connection Unit DCCU			Sup	port : L3	
This Service Procedure details steps to Check and replace the 3.0V coin cell. This battery is used			Procedure	SDCCU_	I6_EN
for PoolCop real time clock.			Revision	01	
Тоо	ls & consumables required:		Time:		
- sc	- screwdriver				
- 5n	nm spanner				
- VC	Itmeter	OTV	Cadaa		
	Coin cell CR2032 type		- Codes		
50					
Step	95	Cross Ref.	Tool, Part		
1	DISASSEMBLE				
2	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN			
3	 Open the DCCU face plate. 				
4	• Extract the PCB micro by pulling the support on the right to release the board				
5	• The cell battery is located to the PCB004 Board.				

6	DIAGNOSE		
7	 Extract the battery from its holder. 		
	 Using the Voltmeter, check the battery voltage. 		Voltmeter
	 If voltage is above 2.9V, no need to replace the cell. 		Cell CR2032
8	REASSEMBLE		
9	• Put the battery back.		
10			
	CAUTION:		
	Make sure to place the battery correctly, the retaining claw on the left side		
	CR2032 -		
11	• Put the PCB micro board back in place:		
	 Insert the left side into the groove 		
	 Push back the right side into the groove. Use your finger. 		
	to help. You will hear a "clap" noise when the board in		
	place.		
12	CAUTION:		
	wake sure the board is correctly place in its holder before continuing.		
13	 Follow "Powering up the Unit" Service Procedure. 	SDCCU_02_EN	
E e els			
End	of Service Procedure		

3.14 SDCCU_17_EN: Replacing the Firmware via USB

Serv	vicing the Data Control Connection Unit DCCU	Supp	oort : L3	
This	Service Procedure details steps to replace the firmware stored into flash mem	ory using an USB	Procedur	SDCCU_17_E
cabl	e		е	Ν
			Revision	01
Тоо	ls & consumables required:		Time:	
- US	B-micro USB cable		0:10	
- La	ptop with operating system Windows7 or later			
- Fir	mware bin file			
Part	s required	QTY	Codes	
Step)S	Cross Ref.	Tool, Part	
1	DISASSEMBLE			
2	\circ Take note of all settings. You will need to check them after			
	firmware upgrade.			
	\circ Check the firmware version in MENU>CONFIGURATION>			
	FACTORY_SETTINGS>FW VERSION.			
	 Pay attention of the model/region: 			
	 Model is GEN 			
	 Region is either EU either US 			
3	CAUTION:			
	Make sure to use the corrects model/region firmware for your			
	PoolCop. Loading a firmware with different Model or Region will			
	lock the PoolCop.			
4	\circ Shut down PoolCop using the switch on the left side of the			
	Control Connection Unit.			
5	 Open the DCCU face plate. 			
	Power			
	Battery			
	PoolCop 🖬 🖬			
	Genesis			
	Her Land Zack Cook In Description of the Cook Information France State			
	HAZARD Disconnet power sugger			
	the Scipater and S			
	1	1	1	

6	REPLAC	ING the Firmware	
7	0	Extract the PCB micro by pulling the support on the right to	
		release the board	
0			
8	0	connect the micro USB cable on the CPU board, and the other end	USB cable
		to your computer.	
9	0	On the computer screen, a new drive "PoolCop" will show up:	Computer
		PoolCop (E:)	
		Tap to choose what happens with removable	
		Changes to view the content with the file overlager	
	0	Note: the drive logical name (E : here) may change according to	
		the computer configuration.	
10	0	The "PoolCop" drive contains a single file named "firmware.bin".	
		Fichier Edition Affichage Outlit ? Onanairer + Dataser park - Grount Nouveau design	
		rrvers Nom ▲ firmwrc.bin	
		Eureau Blaileathaigues Discurrents	
		images Musique Musique	
		René (Nordinateur Condinateur Condinateur	
		MetDoc (D) Leterur DP-ROM (E) Recommendation	
		■ Poolog(6) ↓ Leteur D/0 FW (Z)	
		Ne Reseau	

11	 Using the file explorer, copy the provided *.bin firmware file into the PoolCon drive; 	*.bin file
	Ordinateur > PoolCop (G:) V 49 Rechercher dans: P	
	Fichier Edition Affichage Outils ?	
	Organiser Partager avec Graver Nouveau dossier Nom	
	V30_0 FW0X12345678.bin 1	
	🔚 Bureau	
	Documents Images	
	Musique Videos	
	B René ■ Orrinateur	
	Disque local (C:)	
	Lecteur BD-ROM (E)	
	Lecteur DVD RW (Z)	
12	\circ Once the copy is done, eject the drive (as you would for an USB	
	key):	
	Onen Devices and Printers	
	and open bevices and rinkers	
	Eject POOLCOP Bootloader	
	- PoolCop (E)	
13	• Remove the USB cable from the CPU board and replace the cap	
15		
14	REASSEMBLE	
15	• Put the PCB micro board back in place:	
	 Insert the left side into the groove 	
	 Push back the right side into the groove. Use your finger 	
	to help. You will hear a "clap" noise when the board in	
	place.	
16	CAUTION	
In		
10	CAUTION: Make sure the board is correctly place in its holder before continuing	
10	CAUTION: Make sure the board is correctly place in its holder before continuing.	
17	• Close transparent DCCU face plate.	
17	 CAUTION: Make sure the board is correctly place in its holder before continuing. Close transparent DCCU face plate. 	
17	CAUTION: Make sure the board is correctly place in its holder before continuing. O Close transparent DCCU face plate. CAUTION:	
17	CAUTION: Make sure the board is correctly place in its holder before continuing. O Close transparent DCCU face plate. CAUTION: Be careful to not pinch the ribbon cable when closing the face plate.	
17	CAUTION: Make sure the board is correctly place in its holder before continuing. Close transparent DCCU face plate. CAUTION: Be careful to not pinch the ribbon cable when closing the face plate. 	
17 17 18 19	CAUTION: Make sure the board is correctly place in its holder before continuing. Close transparent DCCU face plate. CAUTION: Be careful to not pinch the ribbon cable when closing the face plate. Power up PoolCop using the switch on the left side of the Control	
17 17 18 19	CAUTION: Make sure the board is correctly place in its holder before continuing. Close transparent DCCU face plate. CAUTION: Be careful to not pinch the ribbon cable when closing the face plate. Power up PoolCop using the switch on the left side of the Control Connection Unit. 	



3.15 SDCCU_18_EN: Replacing the PCB004 Board or LCD Screen

Son	vicing the Data Control Connection Unit DCCU	Cuu	- $ -$		
This	This Service Procedure details steps to check and replace the PCB004 Board or the LCD screen LCD				18 FN
scre	en is soldered on the micro board and cannot be separate	Leb Screen. Leb	Revision	01	_10_11
Too	ls & consumables required.		Time [.]		
- sci	rewdriver		0:20		
Part	s required	QTY	Codes		
- PC	B micro with LCD Screen PCB004	1	- CF1220.01		
Step	DS	Cross Ref.	Tool, Part		
1	DISASSEMBLE				
2	NOTE :				
	Each PoolCop is identified on the Web server with its own MAC address ;				
	This Address is specific with each PCB004 board.				
	In order to not loose historical data,				
	DO not create a new PoolCop on the server!				
	Get teh MAC address provided with the PCB004 board and contact PCFR				
	After sales support which will reaffet the MAC address for you.				
3	• Take note of every setting entering the different menus. You will				
	need to restore settings after changing the PCB004.				
	• Note: If PoolCop is connect to the network, it will possible to				
	restore settings from Web site.				
4	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN			
5	• Open the DCCU face plate				
5					
	Power Battery				
	PoolCop 👦 📼				
	Genesis				
	HAZARD DAINGER Disconnect gener ausgriv partie termenzies				
	this foreplate entry of the second sec				
6	• Extract the PCB micro board by pulling the support on the right to				
	release the board				

7	0	Unplug the keyboard flat cable.	
	0	Unplug the 2 end of connection cable.	
	0	Unplug the Ethernet connection	
8	0	Remove the PCB micro board.	
9	REASSE	MBLE	
10	0	Prepare the PCB micro board in its support so that the connector	- CF1220.01
		for the flat ribbon is on the right side.	
11		Dive back the flat keyboard cable. Be sure to not twist the cable it	
11	0	Plug back the hat keyboard cable, be sure to not twist the cable, it	
		hidst be hat norm the cover to the processor board.	
	0	Plug back the 2 connections cables to the Micro Board	
12	0	Plug back the RJ45 extremity to ethernet connector	
		ET ES	
13	0	Put the PCB micro board back in place:	
		 Insert the left side into the groove 	
		A REAL PROPERTY AND A REAL	
1			
1			
1		• Push back the right side into the groove. Use your finger	
		to help. You will hear a "clap" noise when the board in	
1		piace.	
14		CAUTION	
'-	Mak	e sure the board is correctly place in its holder before continuing.	

Page | 40

PoolCop Gensis Maintenance Manual: GN44MMANEN

15	0	Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN	
16	0	Restore parameters as they were before changing the firmware. This can be done via Web Site		
17	0	Proceed to pH calibration if pH control is installed. Follow "Calibrating/replacing pH/ORP sensor".	SDCCU_21_EN	
End	of Servic	e Procedure		

3.16 SDCCU_19_EN: Replacing the Connection Cable

Serv	ervicing the Data Control Connection Unit DCCU		Sur	port : L2	
This	This Service Procedure details steps to check and replace the connection cable. This cable connects			SDCCU	19 EN
the	the PCB micro board to the PCB Connection SE Data.		Revision	01	
Тоо	ls & consumables required:		Time:		
- SC	rewdriver		0:10		
Part	s required	QTY	Codes		
- Cc	onnection Cable	1	- GN3103.0	1	
-					
Step	DS	Cross Ref.	Tool, Part		
1	DISASSEMBLE				
2	 Follow "Shut down the Unit" Service Procedure. 	SDCCU_01_EN			
3	 Open the DCCU face plate. 				
	Power				
	PoolCop				
	Concernence power relative				
4	• Extract the PCB micro board by pulling the support on the right to release the board				
5	 Unplug the 2 end of connection cable from the PCB micro. 				

6	• Unplug the Connection Cable from the PCB Connection SE Data.		
7	REASSEMBLE		
8	 Place the new Cable inside the PCB's transparent support. 		GN3103.01
	\circ Plug back the short end of the cable end to PCB Connection SE		
	Data.		
	• Be sure to respect the polarizing plug.		
9	 Plug back the long cable end to PCB micro. 		
	 Be sure to respect the polarizing plug. 		
	 Insert the left side into the groove 		
	 Push back the right side into the groove. Use your finger to help. You will hear a "clap" noise when the board in place. 		
11	CAUTION: Make sure the board is correctly place in its holder before tightening the screws		
12	• Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN	
End	of Service Procedure	1	1

3.17 SDCCU_20_EN: Replacing Datalink Cable

Servicing the Data Control Connection Unit DCCU			Sup	oport : L2	
This	This Service Procedure details steps to replace the Datalink Cable Genesis. This cable connects			Procedure	SDCCU_20_EN
the	PCB micr	o to the Power Supply PCB103.		Revision	01
Тоо	Tools & consumables required:		Time:		
- sc	rewdriver			0:10	
- Cc	ollars				
Part	s require	d	QTY	Codes	
-Da	talink Cal	Die Genesis		- GN3102.01	
Step			Cross Ret.	1001, Part	
2	DISASS	Follow "Shut down the Unit" Service Procedure			
	0	Tonow shut down the only service Procedure.	SDCCO_01_EN		
3	0				
4	0	Unplug the Datalink Cable from the Power Supply PCB103 board.			
5	0	Cut the collars cramping Datalink Cable and Ethernet Cable together.			
6	0	Unplug the Datalink Cable from the PCB Connection SE Data.			

www.poolcop.com

7	REASSE	MBLE		
8	0	Plug the new Datalink Cable on the Power Supply PCB103 board.		GN3102.01
9	0	Route the Datalink Cable with Ethernet Cable. Use collars to cramp Cables together.		Collars
10	0	Plug the Datalink Cable to the PCB Connection SE Data.		
11	0	Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN	
End	End of Service Procedure			

3.18 SDCCU_21_EN: Cleaning/Calibrating/Replacing the pH/ORP Sensor

Servicing the Data Control Connection Unit DCCU	Sur	pport:12	
This Service Procedure details steps to calibrate the pH using a buffer solution.	clean or replace	Procedure	SDCCU 21 EN
the sensor.		Revision	01
Note: When the sensor is assembled to the PoolCop, it's possible to calibrate the	e sensor 'on line'		
using the pool water pH as a reference without extracting the sensor from its hol	der.		
Note: Probes are sensitive to leakage currents. Always make sure that the pool v	vater is properly		
bounded to earth (<20 Ohms).			
The sensitive part of the ORP probe can be contaminated in the presence of	metals in water.		
Always treat the water with metal fixer before installing the probe.			
Tools & consumables required:		Time:	
- Screwdriver		0:15	
- pH 7.0 buffer solution			
- pH 4.0 buffer solution			
- ORP 470mV buffer solution			
- Collon Dua Household cleaner			
Parts required	ΟΤΥ	Codes	
- Kit Sensor SE pH+ORP Pt Cable 4m	- 1	- 504912	
or		or	
- Kit Sensor SE pH+ORP Au Cable 4m	- 1	- 504913	
		00.010	
Steps	Cross Ref.	Tool, Part	
1 DISASSEMBLE			
2 o Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the			
pump. Make sure there is no risk of water overflow in the pool or			
buffer tank when pump is stopped, close the manual valves.			
 Disconnect power to the pump and auxiliaries (booster pump). 			
3 • Loosen the pH sensor and remove from its holder.			

4	CAUTION: Proceed progressively and continuously check there is no risk of water projection when loosen. If so, tighten the pH sensor immediately and check step 2.	
5	 For sensor replacement jump to step 22 REPLACE 	
6	CALIBRATE pH	
7	 If the sensor is new, first rinse it in fresh water for 5 minutes. 	pH7 buffer solution
	• Put the sensor in pH7 buffer solution and stir for few seconds.	
8	• Using MENU>MAINTENANCE>pH_CALIBRATION, ask for	
	calibration with pH 7.0.	
	 Should the pH be unstable or calibration impossible, proceed to 	
	sensor replacement. See step 22 REPLACE.	
9	 Remove sensor from buffer solution. 	pH4 buffer solution
	• Rinse with clear water	
	• Put the sensor in pH4 buffer solution and stir for few seconds.	
10	• Using PoolCop MENU>MAINTENANCE>MEASURE PH, ask for	
	pH reading.	
	• If the pH is stable and below pH4.5, go to step 36 REASSEMBLE,	
	otherwise follow the cleaning procedure as describe in step 11	
	CLEANING the pH cell.	
11	CLEANING the pH cell	
12	• If the pH is unstable or measurement reacts slowly, the cell may	Cleaning tool
	be partially clogged.	
	 Ose the special tool to clean the cell See the special tool to clean the cell Carefully apply the tool on the glass cell and perform a few rotations by maintaining the tool between your thumb and forefinger. Repeat calibration procedure from step 6. If cleaning didn't improve measurement, proceed to probe replacement as described in step 22 REPLACE. 	
13		
	CAUTION: Make sure to not damage the metallic rod (pH+ORP sensor) during the cleaning.	

14	CHECKING ORP SENSOR	
15	 Put the sensor in ORP 470mV buffer solution and stir for few seconds. 	ORP 470mV buffer solution
16	CAUTION Make sure the power has been removed from the pump so that it cannot start.	
17	 On the DCCU, when the main screen is displayed, press simultaneously UP and DOWN arrows. This will enters SERVICE MODE. 	
	 Press OP arrow until the screen display ORP value. 	
18	 Wait for reading stabilization, it could take up to 15minutes. 	
19	 If reading is correct, go to step 36 REASSEMBLE. If cleaning has not already been performed go to step 20 CLEANING sensitive part of ORP. Otherwise replace the sensor as described in step 22 REPLACE. 	
20	CLEANING sensitive part of ORP	
21	 The sensitive part of the ORP sensor (red circle below) is likely to be contaminated by presence of metals in the water. In such cases, the ORP sensor does not react. After completing a water treatment based on metal fixer for the pool, it may be useful to decontaminate the ORP probe if it still does not react within days after the treatment. Using a cotton bud with a mildly abrasive household cleaner (like Jif cream cleaner), gently rub the metal rod to rid the metal oxides. Rub the best all sides. Then rinse the probe thoroughly with fresh water. Repeat step 14 CHECKING ORP SENSOR 	Cotton bud Household cleaner
22	REPLACE	
23	 Switch OFF the CCU with standby switch. 	
24	 Open the DCCU face plate. Image: Comparison of the provide plate of the plate o	

25	0	Unplug the pH/ORP sensor from the Board	PCB Connection SE Data	
26	0	Loosen the compression gland to extra DCCCU.	ct the Cable end from the	
27	0	Insert the new sensor and tighten the c	ompression gland.	SO4912
	0	Plug the new pH/ORP sensor to the Board.	PCB Connection SE Data	Or SO4913
	0	Be sure to respect the polarizing plug.		
		Note: there are 2 reference for sensors:	Peferenc	
	тур		e	
	рН	and ORP for liquid chlorine	SO4912	
20	pH	and ORP for salt water chlorinators	SO4913	
20	0	check the order:	a with accessories. Flease	
		• First should be the nut to secu	ire the sensor.	
		between 9-9.5cm from the set	ne grab ring must be nsor tip.	
		\circ Next, the compression ring		
		 Last, the O-ring. 		
			4	
29	0	Remove the sensor transport cap		
30	0	Put the sensor into the analysis cham	per and secure it with the	
		screw. Make sure to tighten enough in	order to avoid leakage.	
31		CAUTION:		
1		Do not over-tighten as the electroc	le is a sensitive device.	
		Ensure that the cap is sufficiently secu	re to retain the sensor in	
32	0	Close the transparent DCCU face plate.		
33		CAUTION:		
	Be c	areful to not pinch the ribbon cable when	n closing the face plate.	
34	0	Switch ON the CCU with standby switch	1.	
35	0	Proceed to sensor calibration, go to ste	p 6 CALIBRATE.	

36	REASSEMBLE		
37	• Put the sensor into the analysis chamber and secure it with the screw. Make sure to tighten enough in order to avoid leakage		
	screw. Make sure to tighten enough in order to avoid leakage.		
38	CAUTION:		
	Do not over-tighten as the electrode is a sensitive device.		
	Ensure that the cap is sufficiently secure to retain the sensor in		
	place under water pressure.		
39	• Reconnect power to the pump and auxiliaries.		
	 Leave SERVICE MODE by pressing UP and DOWN arrows simultaneously. 		
	Simulaneously.		
	\sim When the nump is primed check leakage around the sensor		
	 Leave the filtration running for a couple of minutes 		
40	 Stop the pump. 		
	 In MENU>MAINTENANCE>MEASURE pH, ask for pH reading 		
	 Check that pH reading is stable and representative. 		
	\circ If not, go back to Trouble Shooting Procedures "Ph		TWT_01_EN
	measurement is inconsistent " and " pH measurement is stuck"		TWT_02_EN
41	• Enter and leave PoolCop MENU>TIMER FILTRATION.		
	• Pump and auxiliaries will return to their desired status.		
End	of Service Procedure		

3.19 SDCCU_22_EN: Checking pH Reading Circuitry

Servicing the Data Control Connection Unit DCCU	Support : L4
This Service Procedure details steps to check pH reading circuitry.	Procedure SDCCU_22_EN
	Revision 01
Tools & consumables required:	Time:
- Screwdriver	0:15
- Voltmeter	
- Voltage generator	
- JST HX3 Connector	
Parts required OTV	Codes
	-
Steps Cross F	ef. Tool, Part
1 DISASSEMBLE	
2 O Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the	
pump.	
3 o Open the DCCU face plate.	Screwdriver
Power	
Battery	
Genesis	
MP CHARLES SOUCH 44	
transformation activated in the framework of the fra	
Discrined power suggiv pilets there is a set of the set	
4 Upplug the pH/ORP sensor from the connection PCB	
on plug the phyon sensor norm the connection reb.	
5 CHECK	
6 • Short cut pin 1 and pin3 of the pH Board connector.	
A DE	
$\frac{1}{3}$	

- 1			
/	• Using PoolCop MENU>MAINTENANCE, ask for pH reading.		
	• If the pH is unstable, follow "Replacing PCB Connection SE Data	SDCCU_24_EN	
	PCB005 Board" Service Procedure and stop this procedure.		
	• If the reading is not pH=7 , use the mini VR1 potmeter on the		
	board to adjust reading at pH7.0.		
8			
	CAUTION:		
	Do not exceed +/-500mV when generating signal to the pH input.		
	The electronic Board could be damaged.		
9	\circ Connect the voltage generator between pin 1 and pin 3 of the		Voltage generator
	connector.		
	• Pin 1 is the negative input (reference)		
	• Pin 3 is the positive input		
	• In order to facilitate the test, you can use a JST HX3 connector to		
	wire the voltage generator in.		
10	• Concrete - 177mV (negative value) on the input		Voltago gonorator
10	 Using PoolCon MENU>MAINTENANCE ask for pH reading 		voltage generator
	o If the pH is upstable or above pH4.5 follow "Peoplacing	SDCCU 24 FN	
	connection PCB Connection SE Data PCB005 Board" Service		
	Procedure and stop this procedure		
11	• Generate +177mV (positive value) to the sensor.		
	 Using PoolCop MENU>MAINTENANCE, ask for pH reading. 		
	• If the pH is unstable or below pH9.0 , follow "Replacing	SDCCU_24_EN	
	connection PCB Connection SE Data PCB005 Board" Service		
	Procedure and stop this procedure.		
12	REASSEMBLE		
13	 pH input circuitry is calibrated and correct. 		
	 Plug back pH/ORP Sensor. 		
14	Class transport DCCII face alate		
14	o Ciose transparent DCCO face plate.		
15			
	Be careful to not pinch the ribbon cable when closing the face plate		
16	 Enter and leave PoolCop MENU>TIMER FILTRATION. 		
_	 Pump and auxiliaries will return to their desired status. 		
End	of Service Procedure		

3.20 SDCCU_23_EN: Checking ORP Reading Circuitry

Servicing the Data Control Connection Unit DCCU Supp	oort : L4
This Service Procedure details steps to check ORP reading circuitry. Procedure	SDCCU_23_EN
Revision	01
Tools & consumables required: Time:	
- Screwdriver 0:15	
- Voltmeter	
- IST HX3 Connector	
Parts required QTY Codes	
Steps Cross Ref. Tool, Part	
1 DISASSEMBLE	
2 o Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the	
pump.	
5 O Open the cover using clips.	
Power	
PoolCop 🖉 🖉	
Genesis	
Mer discussed en	
HAZARD DANCER Disconned power segativ plar to moreoving	
this bacadata	
4 o Unplug the pH/ORP sensor from the connection PCB.	
CHECK Check Che	
Short cut pin Fand pin 2 of the pH board connector.	
THE REAL PROPERTY OF THE PROPE	
GIGTATI ATT	
3 2 1	
7 o Switch PoolCop in SERVICE MODE by pressing UP and DOWN	
arrows simultaneously.	
• Use UP arrow to move to the screen where ORP value is	
displayed.	
 displayed. Should the ORP be unstable, or far from zero, follow "Replacing SDCCU_24_EN connection PCB Connection SE Data PCB005 Board" Service 	

8	CAUTION: Do not exceed +1500mV when generating signal to the pH input. The electronic Board could be damaged.		
9	 Connect the voltage generator between pin 1 and pin 2 of the connector1 Pin 1 is the negative input (reference) Pin 2 is the positive input In order to facilitate the test, you can use a JST HX3 connector to wire the voltage generator in. 		Voltage generator
10	 Generate 800mV (positive value) on the input. ORP should rise to 800mV. If ORP is unstable, follow "Replacing connection PCB Connection SE Data PCB005 Board" Service Procedure and stop this procedure. If the ORP is less than 790mV or over 810mV, use the mini VR2 potmeter to calibrate at 800mV +/-5mV. 	SDCCU_24_EN	Voltage generator
11	REASSEMBLE		Scroudrivor
12	 Plug back pH/ORP sensor. 		Screwanver
13	 Close transparent DCCU face plate. 		
14	CAUTION: Be careful to not pinch the ribbon cable when closing the face plate.		
15	 Press simultaneously UP and DOWN arrows to leave SERVICE MODE. 		
16	 Enter and leave PoolCop MENU>TIMER FILTRATION. Pump and auxiliaries will return to their desired status. 		
End	of Service Procedure		

3.21 SDCCU_24_EN: Replacing PCB Connection SE Data PCB005 Board

Serv	vicing the	Sup	port : L2			
This Service Procedure details steps to replace the PCB Connection SE Data. This Board is the upper				Procedure	SDCCU_24_E	N
Board in the mezzanine arrangement of boards under the black cover.			Revision	01		
Too	ls & cons	umables required		Time [.]		
- sci	rewdriver			0:10		
Part	s require	d	QTY	Codes		
- Kit	PCB Cor	nection SE Data	- 1	- CF1218		
Step)S		Cross Ref.	Tool, Part		
1	DISASSI	MBLE				
2	0	Follow "Shut down the Unit" Service Procedure.	SDCCU_01_EN			
3	0	Open the cover using clips.				
		Power				
		PoolCop				
		Genesis				
		INFO THE CONTROL OF AN				
		L que conclusions unos HAZARD MOREN Disconset power supply				
		bis departer this departer the second second the second second second the second second second second second the second				
4	0	Unplug the VDU Datalink Cable.				
	0	Unplug the Connection Cable.				
	0	Unplug the pH/ORP sensor.				
	0	Unplug the temperature sensor				
	0	Unplug the pressure sensor.				
<u> </u>		I laine the countries remain the Accurate an each are by City		Carourdation		
S	0	using the screwariver, remove the 4 screws on each angle of the		Screwdriver		

PoolCop Genesis Maintenance Manual: GN44MMANEN

6	0	REASASSEMBLE				
7	0	Put the new PCB Connection SE Data PCB005 board in place.		CF1218		
8	0	Using the screwdriver, gently tighten the 4 screws on each angle.		Screwdriver		
9	0	Plug back the cables.				
	0	All connectors are different, there is risk of mixing.				
10	0	Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN			
End	End of Service Procedure					
End	End of Service Procedure					

3.22 SDCCU_25_EN: Replacing Pressure Sensor

Servicing the Data Control Connection Unit DCCU				Su	pport : L2
This Service Procedure details steps to replace the pressure sensor.				Procedure	SDCCU_25_EN
				Revision	01
Tools & consumables required:			Time:		
- sc	rewdriver			0:10	
- 20	mm spar	ner			
	•				
Part	s require			Codes	
- KI	t Sensor H	Pressure 4m Cable	- 1	- GN4224	
Step	os		Cross Ref.	Tool, Part	
1	DISASS	EMBLE			
2	0	Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the pump. Make sure there is no risk of water overflow when pump is stopped, close the adequate valves if needed. Using PoolCop MENU>MANUAL CONTROL>AUXILIARIES, stop all running auxiliaries, if any.			
3	0	Disconnect power to pump and auxiliaries and make sure no external electrical sources may energize them.			
4	0	Follow "Shut Down the DCCU" Service Procedure.	SDCCU_01_EN		
5	0	Open the DCCU face plate.			
6	0	Unplug pressure sensor connector.			
7	0	Loosen the compression gland and extract the cable from DCCU.			

8	0	Loosen the sensor with 20mm spanner.		
9	0	REASASSEMBLE		
10	0	Check presence of O-Ring.		GN4224
	0	Place the new sensor.		
	0	Secure it gently with 20mm spanner.		
11	0	Route the cable into the DCCU.		
	0	Tighten the compression gland.		
12	0	Plug back the sensor onto the board.		
13	0	Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN	
14	0	Enter and leave PoolCop MENU>TIMER FILTRATION.		
	0	Pump and auxiliaries will return to their desired status		
15	0	Check for the pressure reading.		
	0	Adjust pressure settings in pump parameters and cleaning filter		
		parameters if needed.		
Engl	- 6 6	- Due eo de un		<u> </u>
End	of Servic	e Procedure		

3.23 SDCCU_26_EN: Replacing Water Temperature Sensor

Servicing the Data Control Connection Unit DCCU			Support : L2		
This	his Service Procedure details steps to replace the water temperature sensor.			Procedure	SDCCU_26_EN
				Revision	02
Тоо	ls & cons	umables required:	1	Time:	
- sci	rewdriver			0:10	
- wr	ench				
Part	s require	d	QTY	Codes	
- Kit	t Water To	emperature Sensor 4m Cable	- 1	- GN4211	
Step	DS		Cross Ret.	Tool, Part	
1	DISASS				
2	0	Using PoolCop MENU>MANUAL CONTROL>PUMP, stop the			
		pump. Make sure there is no risk of water overnow when pump is			
	0	Stopped, close the adequate valves in needed.			
	0	running auxiliarios, if any			
		running auxiliaries, ir any.			
2	<u> </u>	Disconnect power to pump and auxiliaries and make sure po	<u> </u>		
	0	external electrical sources may energize them			
		exemu electred sources may energize them.			
4	0	Follow "Shut Down the DCCU" Service Procedure	SDCCU 01 FN		
	Ŭ				
5	0	Open the cover using clips.			
-					
		Power Battery			
		PoolCop 9			
		Genesis			
		FIFZ URINZE ZOOC DVI NE EXECUTION DATA DATA DATA DATA DATA DATA DATA DAT			
		L wante colle : leaves and the second			
		plote to removing the factor and the			
6	0	Unplug pressure sensor connector			
		in a half in the second s			
7	0	Loosen the compression gland and extract the cable from DCCU.			
	-	, , ,			
8	0	Loosen the sensor with wrench.		Wrench	
		٨			
		Δ			
9	0	REASASSEMBLE			

www.poolcop.com

10	0 0 0	Check presence of O-Ring Place the new sensor Secure it gently with wrench		GN4224
11	0 0 0	Route the cable into the DCCU. Tighten the compression gland.		
12	0	Plug back the sensor onto the electronic board.		
13	0	Follow "Powering up the Unit" Service Procedure.	SDCCU_02_EN	
14	0	Check for the temperature reading once the pump is primed. Adjust pressure settings in pump parameters and cleaning filter parameters if needed.		
	End of S	ervice Procedure		