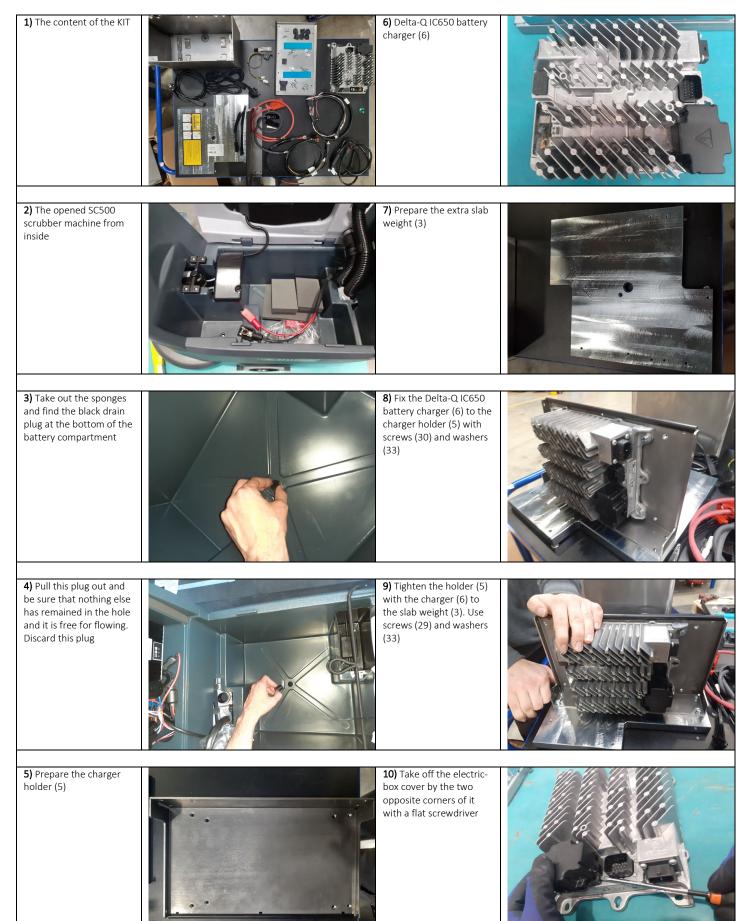
INSTALLA	INSTALLATION INSTRUCTION			Description
Part No	9100003105	Date		Installation Instruction for
Page	1/11	Release	С	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

Installation Instruction for SC500 LITHIUM ION W/ICC STANDARD KIT

Mark	Part number	Description	Quantity
1	9100003089	BOX LI BATT SC500	1
2	9100003090	LID LI BATT SC500	1
3	9100003083	SLAB WEIGHT LI BATT SC500	1
4	9100003112	FOAM BEAM1 SC500	2
5	9100003087	HOLDER CHARGER LI BATT SC500	1
6	106476001	Charger, 24V/27A Li-ion, 85 to 270VAC	1
7	9100003058	HARNESS CHARGER IC650 LI COMM	1
8	9100003115	HARNESS LI BAT CHARGER IC DC	1
9	9100003056	HARNESS LI BAT MACH COMM	1
10	9100003095	HARNESS MACHINE LI BATTERY DC	1
11	9100003277	HARNESS ADAPTER WITH RELAY SC500 LI	1
12	9100003279	RELAY 24V WITH DIODE	1
13	9100003099	CABLE POWER LI CHARGER WATERPROOF	1
14	9098676000	CABLE EXTENSION EU PLUG L.2000MM	1
15	1465629000	CABLE EXTENSION UK PLUG L.2000MM	1
16	910000715	CABLE EXTENSION US PLUG L.2000MM	1
17	910000793	CABLE TIE PLUG	1
18	9100002220	DECAL OVERPACK	1
19	L08812661	GASKET RUBBER -SKEIN	0.7m
20	9100003088	GROMMET CROSS CUT D13.5 X2	6
21	909 6595 000	HOLDER.FLAT TIE	1
22	9100003119	LABEL LI-ION BATTERY DIAGRAM	1
23	9100003319	LABEL WARNING LIION LID	1
24	145 6094 000	PANEL BATTERY FOAM ADHES. 250X195X15MM	1
25	9100003051	REED SWITCH LI ION	1
26	9100001216	SCREW 4X16 SELF PAN HD TORX F PLASTIC	2
27	33004343	SCREW M6X12 CAP HD HEX SOCK ISO4762	6
28	33016432	SCREW M6X20 BUTTON HD HEX SOCK ISO7380	4
29	33004346	SCREW M6X20 CAP HD HEX SOCK ISO4762	4
30	33003975	SCREW M6x20 HEX HD F/THD ISO4017	4
31	33003512	TIE CABLE 3.6X200 BLACK	20
32	145 0524 000	TIE CABLE 4.8x250 BLACK	5
33	33005913	WASHER PLAIN M6X12 ISO7089	8
34	9100003093	WASHER SEALING DIN7603 ALU 6X12X1 SHAPE	10
35	9100003120	MANUAL LI ION SC500/SC2000	1
36	9100003105	INSTRUCTION INSTALL. KIT 9100003047	1

The KIT contains the following items:

INSTALLA	TION INSTRUCTION	ON	Description	
Part No	9100003105	Date		Installation Instruction for
Page	2/11	Release	С	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

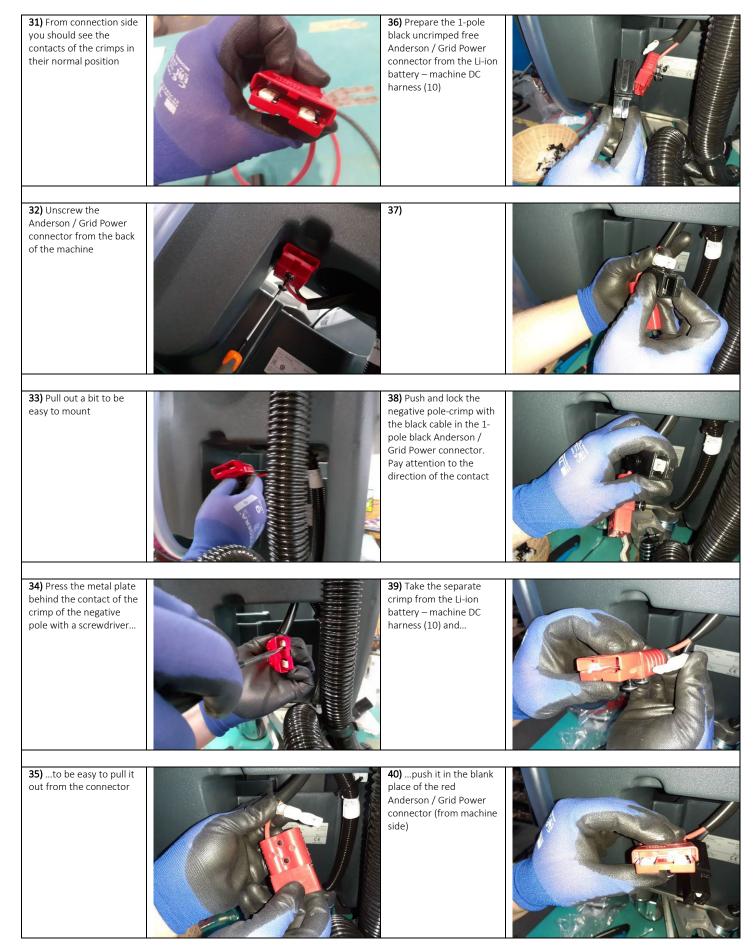


NSTALLATION INSTRUCTION			Description	
Part No	9100003105	Date		Installation Instruction for
Page	3/11	Release	C	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
lssue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

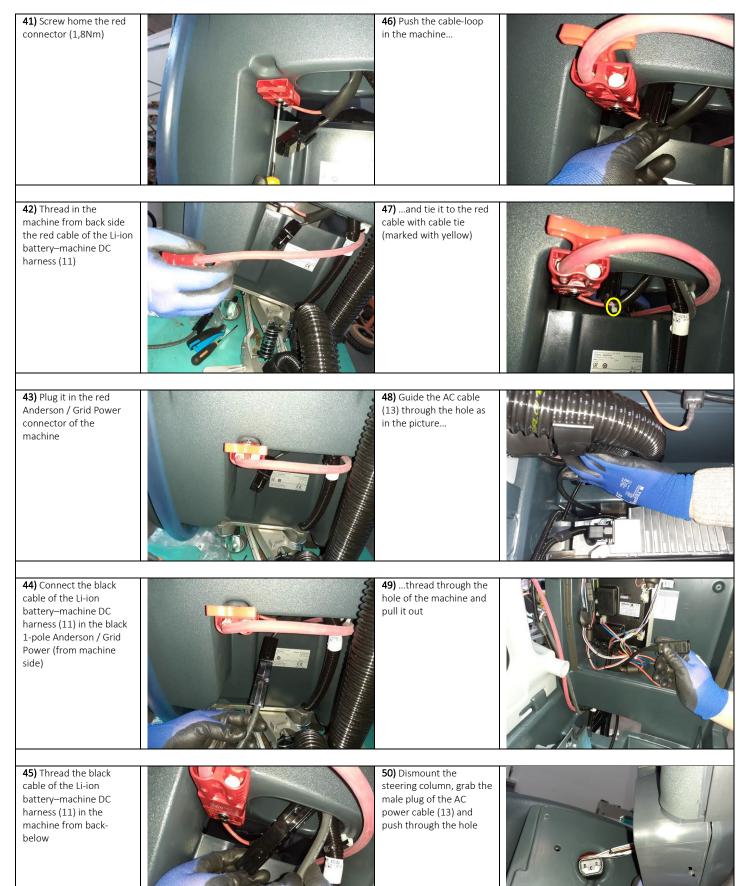


	TION INSTRUCT	ION		Description
Part No Page	9100003105	Date Release	18/11/2022 C	Installation Instruction for SC500 LITHIUM ION W/ICC STANDARD KIT
			0	code 9100003047
Issue by		Machine type	SC500	
Name	FRIGYES	Product index	95069	
21) Unscrew and ta the cover of the roc the Italsea main cor board	om of		26) Cut the cable (marked with yell pull out the HARN BATTERY from bel machine	ow) and IESS
22) Unscrew the dashboard cover an turn it out	nd		27) Removed HAF BATTERY	RNESS
23) Loose and pull of 2 hoses from the recovery tank, then them out of the ma	pull SPEK		28) Prepare the Li battery – machine harness (10)	
24) The connection the Italsea main cor board. Cut this blac cable tie (marked w yellow)	ntrol k		29) Put/push eith the separated crir the empty/uncrin contact of the An Grid Power conne There is only one direction, take can	nps in nped derson / ector. good
25) Disconnect the original HARNESS BATTERY from the I main control board	talsea		30) Lock it on its p with finger	blace Internet of the second sec

INSTALLA	TION INSTRUCTION	ON	Description	
Part No	9100003105	Date		Installation Instruction for
Page	5/11	Release	С	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	



INSTALLA	TION INSTRUCTION	ON	Description	
Part No	9100003105	Date		Installation Instruction for
Page	6/11	Release	С	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	



INSTALLATION INSTRUCTION				Description
Part No	9100003105	Date		Installation Instruction for
Page	7/11	Release	C	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

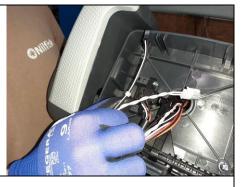


INSTALLA	TION INSTRUCTI	ON	Description	
Part No	9100003105	Date		Installation Instruction for
Page	8/11	Release	С	CC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	/ R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

61) Connect the black 6pin connector of the Liion battery – machine communication harness (9) to the Italsea main control board (see in red)



66) Pull them out a while



62) Search and prepare the Reed switch PCB (25). Remove the protective film from the doublesided adhesive



67) Connect the white connector of the CAN wires (9) to the display board (red)



63) Stick it around the Ibutton-cable from the back side of the I-button reader. Clean the surface of I-button reader with brake cleaner or isopropyl alcohol



68) Connect the black connector of this harness (9) to the Reed switch PCB (25) (red)



64) Grab the twisted pink-white CAN wire and the wire of the Reed switch of the Li battery machine communication harness (9) and push them through the hole ...



65) ...towards the dashboard-display board (this photo is from inside the steering column /dashboard)



69) Tie 2 pcs of cable ties in the marked positions



70) Tighten these wires to the metal side of the Italsea main control board with a cable tie



INSTALLA	TION INSTRUCTION	ON	Description	
Part No	9100003105	Date		Installation Instruction for
Page	9/11	Release	С	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

71) Insert the metal box (1) with its drain pipe through the hole of the slab weight and the machine, tighten it with screws (28) and sealing washers (34)



76) The inserted 2 Dog Bones (yellow)



72) Insert 1 or 2 (depends on the customer's demand) Varta 24V Li-ion batteries (Nilfisk p/n: 106479002) in the box



77) Since the standard KIT doesn't contain the TC1 module, connect the dummy, separate ITT CANNON male plug to the wired ITT CANNON female plug of the Li battery–machine communication harness (9)



73) Connect a Control Cable (Nilfisk p/n: 106445009) between the 2 battery modules



78) Prepare 1 positive braided cable (Nilfisk p/n: **106445008)** and 1 negative braided cable (Nilfisk p/n: **106445007**) and route the red cables to the + poles and the black cables (from the machine DC harness (10) and the charger DC harness (8)) to the – poles of the battery pack



74) The connected Control Cable and the batteries in the metal box



79) Insert the 6 grommets (20) in their place on the box (1). Route the machine DC harness (10), the charger DC harness (8) through them. Connect the Li battery – charger communication harness (7) and the Li battery machine communication harness (9) to the batteries



75) Insert 2 Dog Bones to fix the batteries to each other (yellow)



80) The routing of the harnesses, cables and grommets

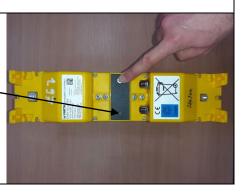


STALLA	TION INSTRUCT	ION		Description
	9100003105	Date	18/11/2022	Installation Instruction for
Page	10/11	Release	C	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by		Machine type	SC500	
Name	FRIGYES	Product index	95069	
Fighten the pos ded cable toget the red cables arrnesses (8, 10 screws and spriner (9Nm). ten the negative ded cable toget the black cable DC harnesses (8 M6 screws and g washer (3.9N	her of the) with ng e her es of 3, 10)		86) The cable rou the room of the I main control boa AC cable (13) is ro on the right side, opposite to the si cables. Fix a flat t holder (21) with a (26) (yellow), thre cable tie (31) thre and fix the cable Mount back the b cover	talsea rd. The pouted gnal ie e screw ead a pugh it patch.
Arrange all the (ide the battery			87) Stick the Li-io battery diagram I (22) on this locati Before sticking us degreaser or alco wipes	abel on. e a Li-ion
and fix them v e ties	vith Vith		88) Stick the WAP label (23) on the label (23) on the the metal box. Be sticking please de the surface	id of fore
. in the marked tions			89) Mount on the cover of the dash Put the yellow "sekey" on the I-butt reader and switch machine	board. ervice ion

85) Put the lid (2) with beam foams (4) on the box (1). Tighten it with screws (27) and sealing washers (34)



90) If the machine doesn't switch on, open the recovery tank, pick up the lid (2) and look at the LED on the battery. If it is blinking and becomes green then it is OK. If not, press the ON/OFF button of the Li-ion battery for about 5s and wait until the LED becomes continuous green. (See the manual (35))



INSTALLA	TION INSTRUCTION	ON	Description	
Part No	9100003105	Date		Installation Instruction for
Page	11/11	Release	С	SC500 LITHIUM ION W/ICC STANDARD KIT code 9100003047
Issue by	R&D	Machine type	SC500	
Name	FRIGYES	Product index	95069	

91) Push 12 times the "PARAMETER SETTINGS" button to reach the menu where you can select the battery type		
92) In the BAT (BATTERY TYPE) menu, select the 7 Lilon with the "rabbit" or "tortoise" buttons		
93) Press SAVE/NEXT or EXIT, then switch off the machine		
94) Replace the yellow service key with a blue user key		
95) If you switch on the machine again and everything is OK, after some seconds (booting) you can see this in the display		