



E83039-00



GENIE™ APS

14" All Purpose Automatic Scrubber



Operator's Manual Parts Schematic

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Symbols used in the manual



Symbol of the book open with letter i
It points out that this document is a manual of instructions.



Symbol of the open book
It points out to the operator to read the manual of use before using the machine.



Symbol of warning
Read attentively the sections preceded by this symbol for the safety of the operator and the machine



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Receiving the machine

Immediately check, when receiving the machine, that all the materials indicated on delivery documents have been received and also that the machine has not been damaged in transit. If it has been damaged, this damage must be immediately reported to the shipper and also to our customer's service department. Only acting promptly in this manner will make it possible to receive missing material and to be compensated for damage.

Identification plate



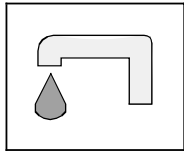
Foreword

This is a floor scrubbing machine that is able to clean any type pf floor by using the mechanical action of the rotating brush and the chemical action of the water-detergent solution. As it moves forward it also gathers up the dirt removed and the detergent solution that has not been absorbed by the floor. **The machine must only be used for this function.** Even the best machines will only operate efficiently and work with profit if they are used properly and kept in perfect operating order. Read this instruction booklet carefully and consult it every time problems arise with machine operation. Remember that, if necessary, our service organization, in collaboration with our dealers, is always available for helpful hints or direct intervention.

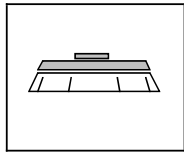


TECHNICAL DESCRIPTION	UM	GENIE APS B
Rated power	W	500
Working width	mm	350
Rear squeegee width	mm	440
Work capacity	m ² /h	1050
Water consumption	g/m ²	-
Brushes (diameter or length)	Ø mm	350
Brush revolutions	RPM	140
Pressure on the brushes	Kg	20
Brush motor	V / W	12 / 250
Drive type		semi-aut.
Maximum slope		2%
Suction motor	V / W	12 / 250
Suction unit vacuum	mbar	-
Solution tank PE	l	10
Recovery tank PE	l	10
Weight of complete machine (included batteries)	Kg	67
Battery	V / Ah	12 / 65
Battery charger	V/A	12/6
Battery compartment dimensions (Length/Height/Depth)	mm / mm / mm	277 / 224 / 172
Machine encumbrance (Length/Height/Depth)	mm / mm / mm	682 / 1018 / 440
Length of folded machine (without recovery tank)	mm	795
Height of folded machine (without recovery tank)	mm	440
Sound pressure level (in compliance with IEC 704/1)	dB (A)	69,28
Vibration level	m/s ²	1,79

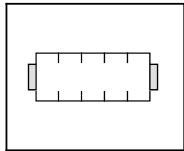
SYMBOLS USED ON THE MACHINE



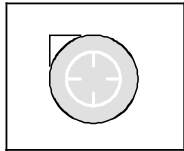
Cock symbol
Used to indicate the solenoid valve switch



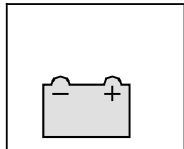
Brush symbol
Used to indicate the brush motor switch



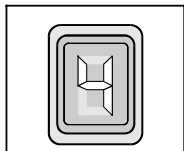
Brush symbol (SWEEPING VERSION)
Used to indicate the brush motor switch



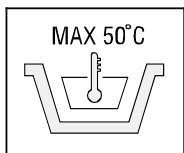
Suction motor symbol
Used to indicate the suction motor switch



Battery symbol



Battery charge gauge



Maximum detergent solution temperature gauge
Located near the solution tank refill spout



GENERAL SAFETY REGULATIONS

Follow these regulations carefully to avoid harm to the operator and damage to the machine.

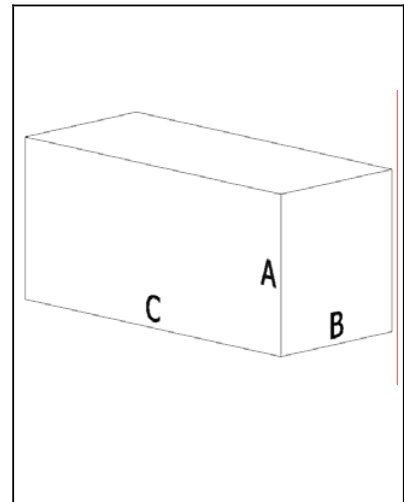
- ☐ Read the labels on the machine with attention. Never cover them for any reason and always immediately replace them if they are damaged.
- ☐ The machine must be used exclusively by authorized and trained personnel.
- ☐ When operating the machine be careful of other persons and of children in particular.
- ☐ The machine is not suitable for cleaning carpets.
- ☐ The power cable outlet must be provided with a proper ground.
- ☐ Avoid damaging the power cable or the battery charger by crushing, bending or stressing it.
- ☐ Whenever the power cable of the battery charger is damaged, immediately apply to **BETCO** service center.
- ☐ Never mix different types of detergents: this could generate noxious gases.
- ☐ Not set containers of liquid on the machine.
- ☐ Machine storage temperature must be between -25°C and $+55^{\circ}\text{C}$, never store to the outside under humidity conditions.
- ☐ Operating conditions: room temperature between 0°C and 40°C with relative humidity between 30 and 95%.
- ☐ Never use the machine in an explosive environment.
- ☐ Never use the machine to transport goods.
- ☐ Never use acid solutions which could damage the machine.
- ☐ Avoid running the brushes with the machine stopped: this could damage the floor.
- ☐ Never suck flammable liquids.
- ☐ Never use the appliance to gather dangerous powders.
- ☐ Use a powder fire extinguisher in case of fire. Do not use water.
- ☐ Do not hit against shelving or scaffolding when there is a danger of falling objects.
- ☐ Do not use the appliance on surfaces with a slope higher than the one indicated on the name-plate.
- ☐ The machine must perform washing and drying operations simultaneously. Any other operations must be done in zones where the presence of unauthorized persons is prohibited. Signal wet floors with suitable signs.
- ☐ Whenever the machine has operating troubles make sure that these are not due to insufficient ordinary. If this is not the case then enquire with your **BETCO** service center.
- ☐ When replacing parts ask for ORIGINAL spare parts from your Authorized **BETCO** Dealer and/or Retailer.
- ☐ Always switch off the machine and disconnect the battery connector whenever maintenance is performed.
- ☐ Never remove guards that require tools for removal.
- ☐ Never wash the machine with direct or pressurized jets of water or with corrosive substances.
- ☐ Have your **BETCO** service center check the machine every year.
- ☐ Avoid clogging the solution tank filter: do not fill with detergent solution a long time before starting to use the machine.
- ☐ Before using the machine make sure that all doors and covers are positioned as shown in this operating and maintenance manual.
- ☐ Dispose of consumables in accordance with existing laws and codes.
- ☐ When, after years of precious work, your **BETCO** machine is ready to be retired its entire component materials must be properly disposed of: they contain oils and electronic components. Remember that the machine itself was built using totally recyclable materials.
- ☐ Use only brushes furnished with the machine or those specified in the user's manual (page 19). Use other brushes can compromise the safety.
- ☐ When removing the battery, the machine must be disconnected from the power mains.
- ☐ Before recycle the machine, remove the battery.
- ☐ The battery and the battery charger must be eliminated in accordance with existing laws and codes.
- ☐ The machine is not intended for use by children and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- ☐ Children should be supervised to ensure that they do not play with the appliance.

PREPARING THE MACHINE

1. HANDLING THE PACKAGED MACHINE

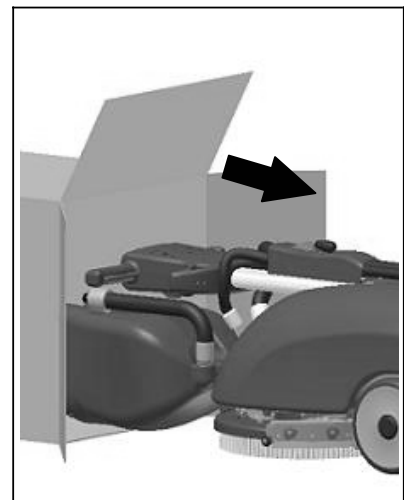
The machine is contained in specific packing.
Each pallet contains four machines placed on two levels.
More than two packings cannot be stacked.
Total weight is 70 kg.
Overall dimensions are:

- A** : 500mm
- B** : 500mm
- C** : 1150mm



2. HOW TO UNPACK THE MACHINE

1. Open the packing on the side indicated
2. Remove the machine from the packing
3. Pull out the recovery tank



3. BATTERY INSTALLATION/CONNECTION

The machine is supplied with battery charger and sealed gel batteries. In case of using different batteries from those supplied with the machine, use only batteries 12V AGM or Gel and proceed as follows:

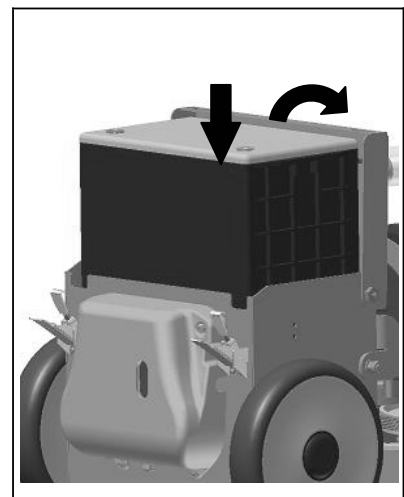
The batteries must be housed in the battery compartment located under the solution tank.

To install the batteries you must:

1. Remove the solution tank
2. Open the two rear hinges that close the battery compartment
3. Rotate the handlebar by lifting the handlebar control lever (see: "FASTENING THE HANDLEBAR")
4. Place the battery in the compartment
5. Connect the cables



ATTENTION: We recommend using exclusively sealed batteries to avoid acid spillage.



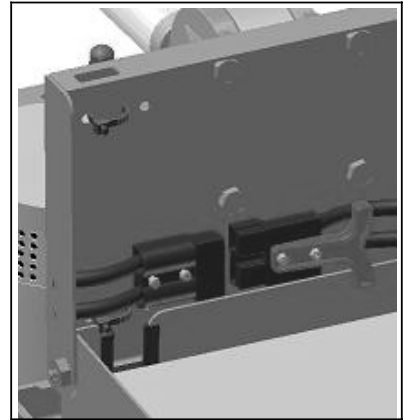
PREPARING THE MACHINE

4. CONNECTOR CONNECTION

6. Connect the battery connector to the machine connector
7. Re-assemble everything



ATTENTION: This procedure must be done by qualified personnel. Mistaken or imperfect connection of cables to the connector can cause severe damage to persons and property.



5. RECHARGING THE BATTERIES

Carry out a battery charge cycle before using the machine.

In case of battery's replacing, verify to use proper batteries for the type of battery charger installed (use only batteries 12V AGM or Gel).

After switch off the machine, insert the thorn of the battery charger into the plug.
Follow the instructions in the attached booklet in order to properly use the battery charger.

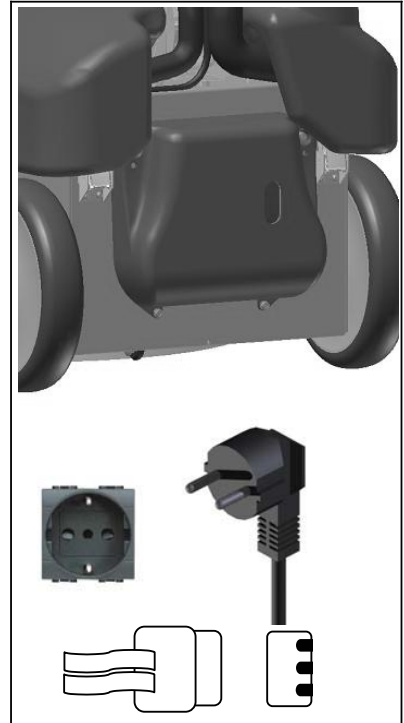


ATTENTION: The machine is predisposed with an automatic system that removes the tension from the electric plant when it's in phase of recharge the batteries.

ATTENTION: Avoid totally discharging the batteries: this can cause damage to them. Recharge within just a few minutes after the battery discharged signal lamp starts to flash.

ATTENTION: Never leave the batteries completely discharged, not even if the machine is not being used.

ATTENTION: Carefully keep to the instructions provided by the manufacturer or its retailer when performing daily battery recharge. All installation and maintenance procedures must be done by expert personnel. Danger of gas fumes and leakage of corrosive fluids. Danger of fire: do not approach with open flames.



6. BATTERY CHARGE LEVEL GAUGE

The battery charge level gauge is a digital unit with 4 fixed and one flashing position. The numbers on the display give an approximate idea of the level of charge.

4 = maximum charge, **3** = charge 3/4, **2** = charge 2/4, **1** = charge 1/4, **0** = batteries discharged (flashing)



ATTENTION: The brush motor automatically turns off a few seconds after the flashing "0" appears. The remaining charge permits to finish drying before carrying our recharge.



PREPARING THE MACHINE

7. FASTENING THE HANDLEBAR

For packing purposes the handlebar is supplied folded and must be put into its working position. Proceed as follows to do this:

1. Lift the handlebar, pulling up the lever indicated by the arrow
2. Position the machine in its working position
3. Mount the recovery tank on the handlebar tube using the two hooks
4. Insert the tubes into the fittings that exit from the ring of the recovery tank

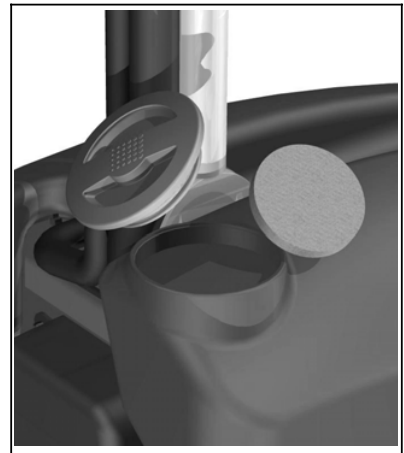


8. DETERGENT SOLUTION

Fill the solution tank with clean water at a temperature that does not exceed 50°C. Add liquid detergent in the concentration and according to the procedures recommended by the manufacturer. Use only a minimal percentage of detergent to prevent formation of an excess amount of foam since too much foam may damage the suction motor.



ATTENTION: Always use low-foam detergent. Introduce a small amount of anti-foam detergent in the recovery tank before starting to work to be sure to prevent foam from being generated. Never use pure acids.



9. RECOVERY TANK

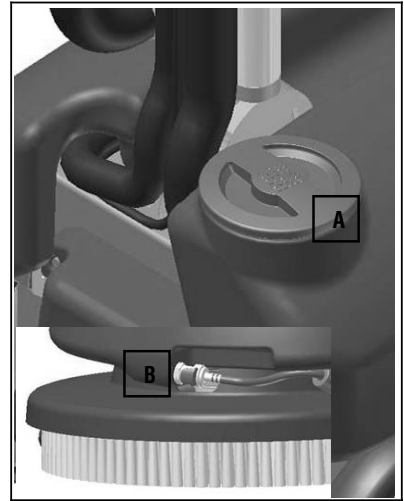
Make sure that the recovery tank is properly inserted in its housing and that the tubes are properly inserted in the tank elbows. Check that the plug is properly closed.



PREPARING THE MACHINE

10. SOLUTION TANK

Check that the plug is properly inserted in its seat (A).
Check that the valve is properly engaged (B).



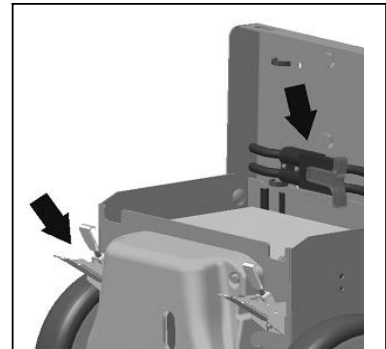
OPERATION

1. PREPARING TO WORK

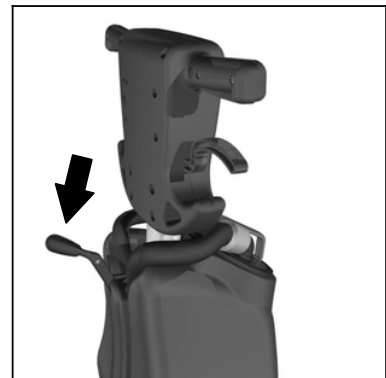
The followings procedures must be done before installing the tanks:

1. Open the two rear hinges on the battery compartment
2. Connect the connector to the batteries
3. Close the battery compartment

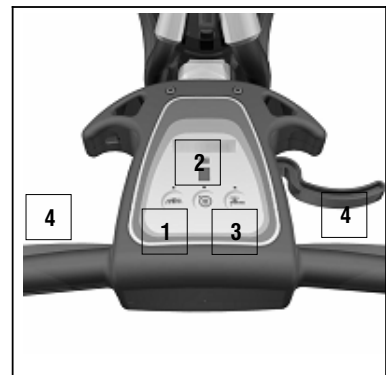
Now install the tanks



4. Prepare the machine for operation
5. Lower the squeegee control lever and start to work



6. Press the main switch (1) and check that the green signal lamp is on
 7. Press the aspiration switch (2)
 8. Press the solenoid valve switch (3)
- At this point the machine can work efficiently, using the operating lever that operates the brushes (4), until the detergent solution is finished.



2. OVERFLOW DEVICE

The machine has a ball filter that trips when the recovery tank is full, closing the suction tube. At this point you must empty the recovery tank.



ATTENTION: Always wear gloves when doing this operation to protect yourself from contact with hazardous solutions.



OPERATION

3. FORWARD MOVEMENT

Forward movement by these machines is done using the brush. When the brush is slightly inclined it pulls the machine forward.



ATTENTION: Always make sure that squeegee is lifted when moving backwards, even for short distances.



AFTER WORK IS TERMINATED

Proceed as follows at the end of the work cycle and before you perform any type of maintenance:

1. Turn off the solenoid valve switch (3)
2. Lift the squeegee
3. Turn off the aspiration switch (2)
4. Turn off the brush/main switch (1)



5. Move the machine to where water is to be drained
6. Remove the drain plug and empty the tank
7. Dismantle the brush and clean it with a jet of water (see "DISMANTLING THE BRUSH" below in order to dismantle the brush)



ATTENTION: Always wear gloves when doing this operation to protect yourself from contact with hazardous solutions



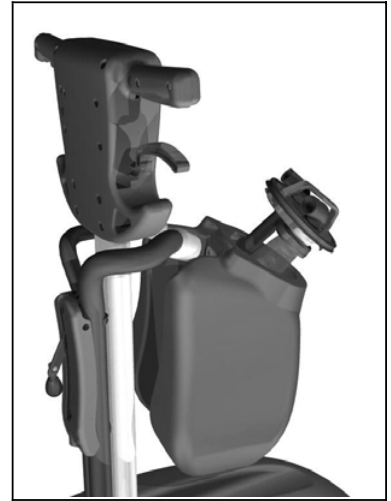
DAILY MAINTENANCE

1. CLEANING THE RECOVERY TANK

1. Grasp the tube at the rear of the machine
2. Remove the bayonet plug to open the tank
3. Clean the filter under running water
4. Rinse out the tank and clean with a jet of water



ATTENTION: Always wear gloves when doing this operation to protect yourself from contact with hazardous solutions



2. CLEANING THE SQUEEGEE

Check that the squeegee rubbers are always clean. This ensures optimum drying.

To clean them:

1. Lift the machine
2. Carefully clean the inside
3. Carefully clean the rubbers

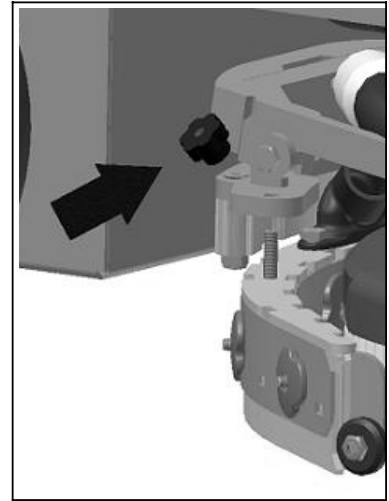


DAILY MAINTENANCE

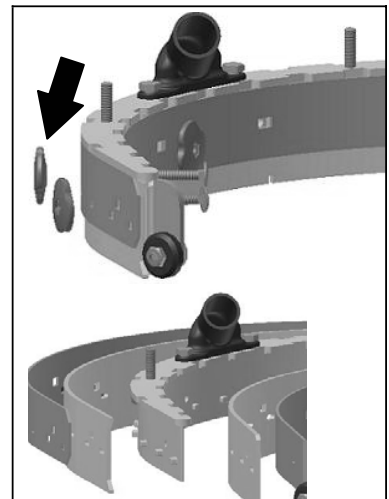
3. REPLACING THE SQUEEGEE RUBBERS

Check the condition of the squeegee rubbers. Replace as necessary. To replace the rubbers:

1. Lift the squeegee
2. Remove the two knobs
3. Detach the squeegee from the support
4. Remove the tube from the squeegee opening to permit the squeegee be removed



5. Unscrew the squeegee knobs that clamp the blades and pull them out
6. Remove the blades
7. Replace the rubbers
8. Reinstall everything by performing these procedures in reverse



4. BRUSHES DISASSEMBLY

1. Lift the squeegee
2. Lift the machine by pressing down on the handlebar
3. When the base is lifted jog the brush control. The brush releases automatically



ATTENTION: Make sure there are no objects or persons in the vicinity of the brush when doing this operation



SCHEDULED MAINTENANCE

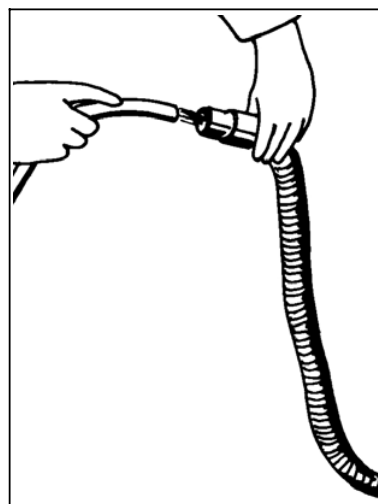
1. CLEANING THE SQUEEGEE TUBE

Check the squeegee tube for clogging if the suction is insufficient or at periodic intervals. To clean the tube proceed as follows:

1. remove the tube from the sleeve on the squeegee
2. Remove the other end from the recovery tank
3. Wash the inside of the tube with a jet of water, spraying from the end where the tank is inserted
4. Reinstall the tube



ATTENTION: Do not wash the tube that goes from the suction unit to the suction plug



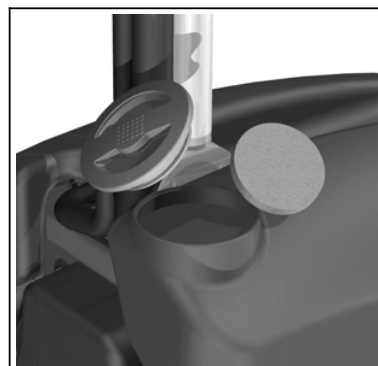
2. CLEANING THE FILTER AND THE SOLUTION TANK

1. Unscrew the plug on the suction tank
2. Remove and clean the filter
3. Reinstall the filter and the plug



ATTENTION: Always wear gloves when doing this operation to protect yourself from contact with hazardous solutions

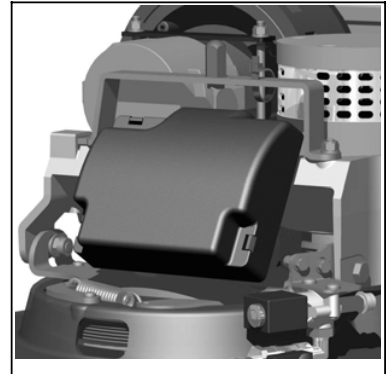
ATTENTION: Disconnect the rapid graft before removing the reservoir solution (see image page 18).



CHECKING OPERATION

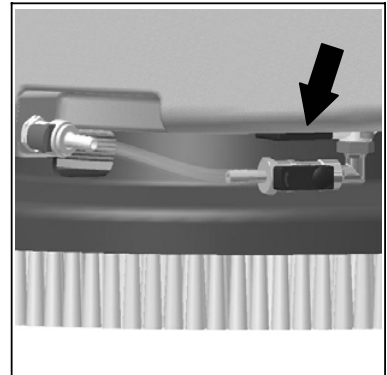
1. ELECTRIC SYSTEM SAFETY

The machine has two amperometric safety switches installed in the electric system (below the solution tank). These cut off power to the brush motor and to the suction motor when a preset load is exceeded. The restoration of the motors happens in automatic after switch off the machine and wait around 40 seconds for the cooling of the protection inserted in the electric card. In case in which the machine blocks itself several times, it is necessary to apply to a **BETCO** service center.



2. INSUFFICIENT WATER ON THE BRUSHES

1. Check that the solution tank is clean
2. Check that the solenoid valve switch is turned on
3. Check the quick fitting connection is properly engages
4. Check the adjustment screw on the cock that supplies water



3. THE MACHINE DOES NOT CLEAN WELL

1. Check the condition of the brushes. Replace them as required. Brushes must be replaced when bristles are about 15mm high

4. THE SQUEEGEE DOES NOT DRY THE FLOOR PERFECTLY

1. Check that the squeegee rubbers are clean
2. Check that the suction tubes are properly inserted in their seats on the squeegee
3. Check that the distributor is clean
4. Replace the rubbers if they are worn



5. TOO MUCH FOAM IS GENERATED

Check that low-foam detergent is being used. If necessary add a small amount of foam-retardant liquid to the recovery tank.

Remember that more foam is generated when the floors is not very dirty. Dilute the detergent more when cleaning floors that are not very dirty.



BRUSH SELECTION AND USE

POLYPROPYLENE BRUSHES (PPL)

These are used on all types of floors and offer good resistance to wear and to hot water (not more than 60°C). PPL is not hygroscopic and consequently preserves its characteristics even when wet.

DRIVE DISKS

Drive disks are recommended for cleaning polished surfaces.

There are two types of drive disk: type CENTER LOCK which has a plastic snap-in center lock system, that permits perfect centering of the abrasive disk and ensures it is kept anchored without detaching:

1. with sets of anchor stubs that retain and drive the abrasive disk during operation.
2. with sets of bristles locks that retain and drive the abrasive disk during operation.

BRUSH SELECTION TABLE

Machine	N°of Brushes	Code	Type of Bristle	Ø Bristle	Ø Brush	Notes
GENIE APS	1	421701	PPL	0.6	355	
		422213	Drive disk - anchor		355	
		422001	Drive disk – bristle	0.9	355	



SOMMARIO

SUMMARY / SOMMAIRE / INHALTSANGABE / ÍNDICE

TAV. 01	GRUPPO BASAMENTO SPAZZOLE SINGLE BRUSH BASE ASSEMBLY / GROUPE PLATEAU DES BROSSES / GRUPPE BÜRSTENGESTELL / GRUPO BANCADA CEPILLO
TAV. 02	GRUPPO TELAIO FRAME ASSEMBLY / GROUPE DE CHASSIS / GRUPPE RAHMEN / GRUPO BASTIDOR
TAV. 03	GRUPPO SERBATOI - ACCESSORI TANKS ASSEMBLY - ACCESSORIES / GROUPE DE RESERVOIRS - ACCESSOIRES / GRUPPE TANKS - ZUBEHURTEILE / GRUPO TANQUES - ACCESORIOS
TAV. 04	GRUPPO TERGIPAVIMENTO SQUEEGEE ASSEMBLY / ENSEMBLE DE SUCEUR / SAUGFUSSGRUPPE / GRUPO LIMPIADORES DE SUELO
TAV. 05	GRUPPO COMANDO TERGIPAVIMENTO SQUEEGEE CONTROL ASSEMBLY / GROUPE COMMANDE DE SUCEUR / SAUGFUSSBETÄTIGUNG / MANDO LIMPIAPAVIMENTOS
TAV. 06	GRUPPO MANUBRIO HANDLE BAR ASSEMBLY / GROUPE DE TIMON / FUHRUNGSHOLMGRUPPE / GRUPO MANILAR
TAV. 07	GRUPPO IMPIANTO ELETTRICO ELECTRONICAL CONTROL ASSEMBLY / ENSEMBLE COMMANDE ELECTR. / ELEKRONISCHE ANLAGE / GRUPO CONTROLES ELECTR.
TAV. 08	ACCESSORI ACCESSORIES / ACCESSOIRES / ZUBEHORTEILE / ACCESORIOS
TAV. A1	UNITÀ CARICABATTERIA ESTERNA ASSEMBLY BATTERY CHARGER / GROUPE CARGHEUR BATTERIES / GRUPPE BATTERIE LADEGERATE / GRUPO CARGADOR DE BATERIAS

I**INTRODUZIONE**

Il presente vuole essere da guida per l'ordinazione delle parti di ricambio ed è stato realizzato in modo da consentire una rapida identificazione della macchina in tutte le sue versioni e quindi una rapida visualizzazione dei pezzi che la compongono.

MODALITA' DI ORDINAZIONE

Per facilitare la ricerca di magazzino e la spedizione dei pezzi di ricambio, si pregano vivamente i Sigg. Clienti di attenersi alle seguenti norme e specificare sempre :

- a) modello e numero di matricola della macchina;
- b) numero di posizione e numero di tavola dove sono rappresentati;
- c) codice di ordinazione e denominazione;
- d) quantità dei pezzi desiderati;
- e) indirizzo esatto e ragione sociale del Committente, completo con l'eventuale recapito per la consegna della merce;
- f) mezzo di spedizione desiderato. (Nel caso questa voce non sia specificata la Ditta Costruttrice si riserva d usare a sua discrezione il mezzo più opportuno).

GB**INTRODUCTION**

This catalogue is intended to serve as a guide for the ordering of spare parts and is designed to facilitate rapid identification of the machine in all its versions and rapid location of its component parts.

HOW TO ORDER

For the purpose of simplifying stock searching and delivery of spare parts, we would ask our customers to observe the following standard procedures, at all times specifying:

- a) the model and part number of the machine;
- b) the position number and the number of the table of chart in which the parts appear;
- c) ordering code and part name;
- d) quantity of parts required;
- e) precise address and company status of the purchaser placing the order, complete with address for delivery of the goods;
- f) shipping means required.

F**INTRODUCTION**

Le présent catalogue a pour but de guider l'utilisateur dans les commandes de pièces détachées. Il a été réalisé pour faciliter une identification rapide de la machine dans toutes ses versions et permet ainsi un repérage rapide de ses composants.

COMMENT PASSER COMMANDE

A fin de simplifier la recherche dans le magasin et l'expédition des pièces de rechange, nous prions notre clientèle de respecter la procédure suivante en indiquant toujours:

- a) le modèle et le numéro de la machine;
- b) le numéro de la position et numéro du tableau sur lequel figure la pièce;
- c) la référence et la dénomination;
- d) la quantité des pièces demandées;
- e) l'adresse exacte et la raison sociale de l'acheteur qui passe la commande, en indiquant l'adresse de livraison;
- f) le moyen de transport désiré (dans le cas où ceci n'est pas précisé l'expéditeur se réserve le droit de choisir le transporteur).

D**EINLEITUNG**

Der vorliegende Katalog versteht sich als Führer für Ersatzteile und soll eine rasche Identifikation der Maschine in all ihren Ausführungen ermöglichen und daher ein sofortiges Erkennen der Teile, aus denen sie besteht.

BESTELLVORSCHLAG

Um ein Auffinden im Lager und den Versand der Ersatzteile zu erleichtern, werden die Kunden ersucht, sich an folgende Normen zu halten und immer folgendes anzugeben:

- a) Modell- und Gerätenummer;
- b) Positions- und Tafelnummer, wo sie dargestellt sind;
- c) Bestellnummer und Handelsbezeichnung;
- d) Menge der gewünschten Teile;
- e) Genaue Adresse und Firmennamen des Auftraggebers, gemeinsam der ev. Anschrift für die Zusendung der Ware;
- f) Die gewünschte Versandart (falls nicht angegeben, behält sich der Lieferant das Recht vor, die günstigste Art zu wählen).

E**INTRODUCCIÓN**

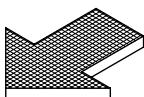
Ese catálogo quiere servir cómo guía para pedir las piezas de repuesto y se ha realizado de manera de consentir una rápida identificación de la máquina en todas sus versiones y por consiguiente una rápida individuación de las piezas que la componen.

MODALIDADES DE LOS PEDIDOS

Para la búsqueda en el almacén y el envío de las piezas de repuesto, se ruega encarecidamente a los Sres. Clientes de seguir las reglas siguientes y de especificar siempre:

- a) el modelo y el número de matrícula de la máquina;
- b) el número de posición y el número de la tabla donde son representadas;
- c) el código de pedido y la denominación;
- d) el número de piezas que se desean;
- e) las señas exactas y la razón social del Comitente, indicando también las señas eventuales para la entrega de la mercancía;
- f) El medio de envío que se desea. (En caso de que ese dato no se haya especificado, la Empresa Constructora se reserva el derecho de utilizar a su elección el medio más adecuado).

GRUPO BANCADA CEPILLO



01

SCRUB DECK

ITEM	SKU	QTY	DESCRIPTION
1	E81530	1	Belt Tensioning Spring
2	E82845	3	Spacer
3	E82844	1	Clutch Plate
4	212363	1	SPACER
5	212364	1	Bushing
6	212365	1	SPACER
7	212375	1	Clutch Flange
8	212413	1	PIN
9	213120	1	SUPPORT
10	213121	1	SUPPORT
11	E88366	1	Tensioner Arm
12	213170	1	PULLEY
13	E82710	1	Hose, 8 OD x 5 ID x L 105
14	E81752	1	Tubing 5 OD x 30 L
15	E83547	4	M6x16 Bolt, Zinc Hex Head
16	E86667	3	Bearing, 6001 2RS
17	E81657	2	Bearing, 6204 2RS
18	E82288	2	Screw, Pan Hd Phil Self Tap
19	E83833	1	Hex Bolt M8x25 Zinc
20	E88042	1	Flat Hd Soc Machine Screw M6x16 Zinc
21	E81871	3	Flat Hd Soc Machine Screw M8x40 Zinc
22	408986	1	SCREW
23	E82256	2	Nyloc Hex Nut, M5x7 Zinc
24	E83550	1	NyLoc Hex Nut, M6 Zinc
25	E81709	4	Nyloc Hex Nut, M8 Zinc
26	E83879	2	Flat Washer M5x11x1 Zinc
27	E82761	1	Washer 6x12x1.6
28	E81874	1	Flat Washer M8x17x1.6 Zinc
29	409212	1	WASHER
30	E83903	3	Shim Washer M14x22x0.3
31	E87290	1	Shim M37x47x0.3
32	E81719	1	Cap
33	E81967	1	Nut
34	E81998	3	Pan Hd Phil Machine Screw M4x10 SS
35	E86250	2	Hex Bolt M5x14 Zinc
36	E81727	1	Bracket
37	E81541	1	Brush Drive Belt
38	E82467	1	Solenoid Valve 12VDC
39	E86167	1	Pipe
41	E82711	1	Quick Disconnect, Male 1/4
42	E81543	1	Guard, Vispa
43	E81550	1	Ball Valve
44	E81551	1	Threaded Elbow
45	E81552	1	Fitting, Brass, 1/4" x 7mm
46	E20157	1	Hex Lug
47	E86156	1	Bushing
48	E81553	4	Carbon Brush
49	E81555	1	Brush Motor 12VDC 360W
50	422790	1	CARBON BRUSH HOLDER

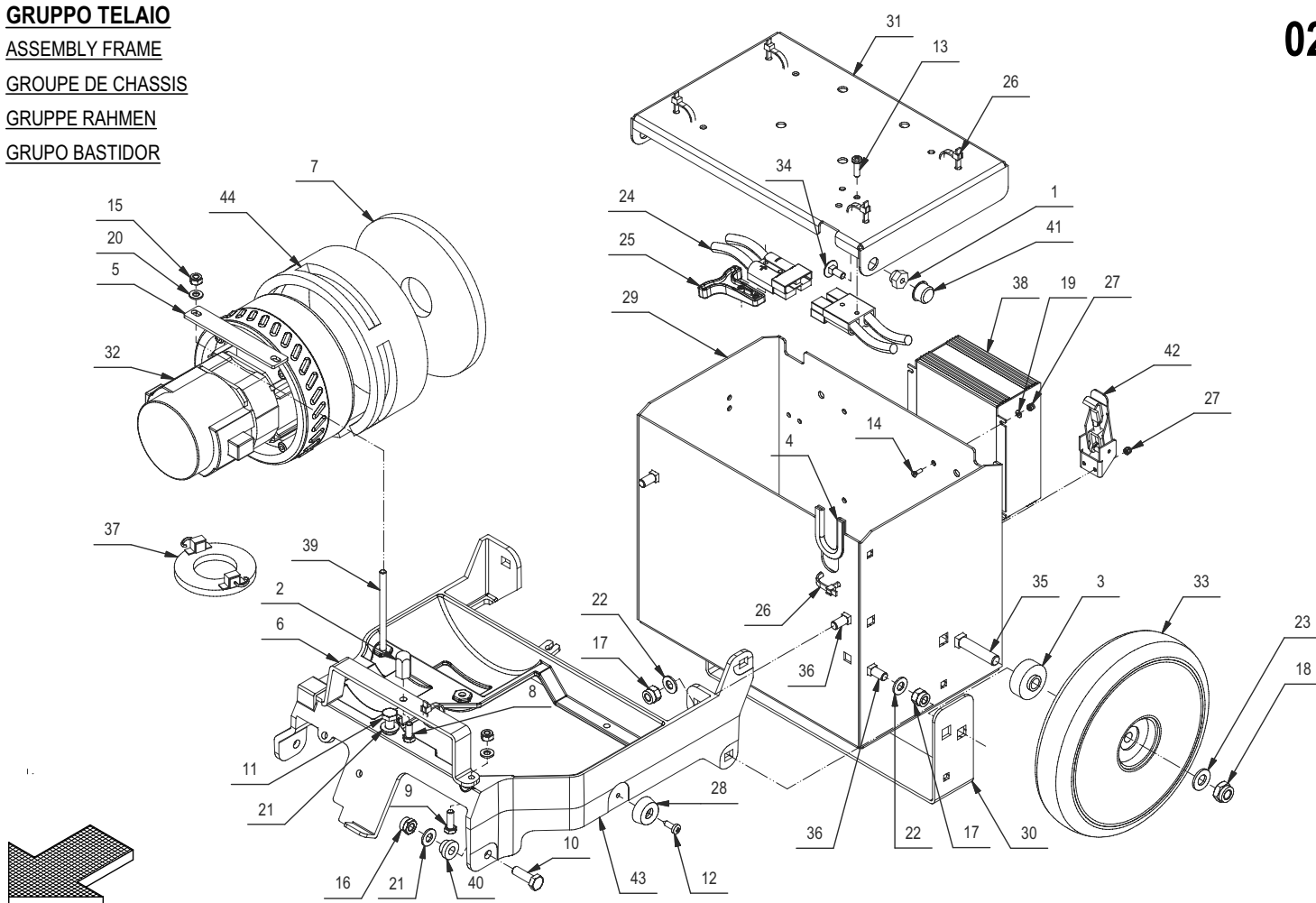
GRUPPO TELAIO

ASSEMBLY FRAME

GROUPE DE CHASSIS

GRUPPE RAHMEN

GRUPO BASTIDOR



02**FRAME ASSEMBLY**

ITEM	SKU	QTY	Description
1	212368	2	<i>BUSHING</i>
2	212373	1	<i>PIN</i>
3	E86269	2	Bushing
4	213323	1	<i>PROFILE</i>
5	214124	1	<i>PLAQUE</i>
6	E20053	1	Bracket
7	E83944	1	Sound Deadening Foam
8	E82456	1	Hex Bolt M6x14 Zinc
9	407665	1	<i>SCREW</i>
10	E83833	2	Hex Bolt M8x25 Zinc
11	E20098	1	Hex Bolt M8x18 Zinc
12	408884	2	<i>SCREW</i>
13	408893	2	<i>SCREW</i>
14	E81672	8	Flat Hd SL Machine Screw M3x10 SS
15	E83550	3	NyLoc Hex Nut, M6 Zinc
16	E81709	2	Nyloc Hex Nut, M8 Zinc
17	E81342	4	Nyloc Hex Jam Nut, M8 SS
18	409091	2	<i>LOCK NUT</i>
19	E81979	4	Flat Washer M3x7x0.5 SS
20	E82761	3	Washer 6x12x1.6
21	E81874	3	Flat Washer M8x17x1.6 Zinc
22	E20125	4	Flat Washer M8x17x1.6 SS
23	E86255	2	Flat Washer M10x21x2 SS
24	E86208	2	SB50 Red Electrical Connector
25	E89141	1	Charger Plug Tee Handle
26	E81565	6	Clamp, 4.8x200 Black
27	415897	8	<i>LOCK NUT</i>
28	416319	2	<i>RUBBER CAP</i>
29	E86215	1	Battery Box
30	E86270	1	Bracket
31	420601	1	<i>COVER</i>
32	E81538	1	Vacuum Motor 12VDC 250W
33	E81539	2	Transport Wheel 200 OD x 42 W
34	E81896	2	Carriage Bolt M6x16 SS
35	E85755	2	Carriage Bolt M10x50 SS
36	421083	4	<i>SCREW</i>
37	E81540	1	Carbon Brush
38	E81544	1	Charger 12VDC 6AMP 120VAC ONB AGM GEL BSB50
39	422078	2	<i>SCREW</i>
40	422120	2	<i>BUSHING</i>
41	422540	2	<i>CAP</i>
42	E86199	2	Latch
43	E87024	1	Main Frame Weldment
44	E82840	1	Sound Deadening Foam

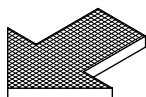
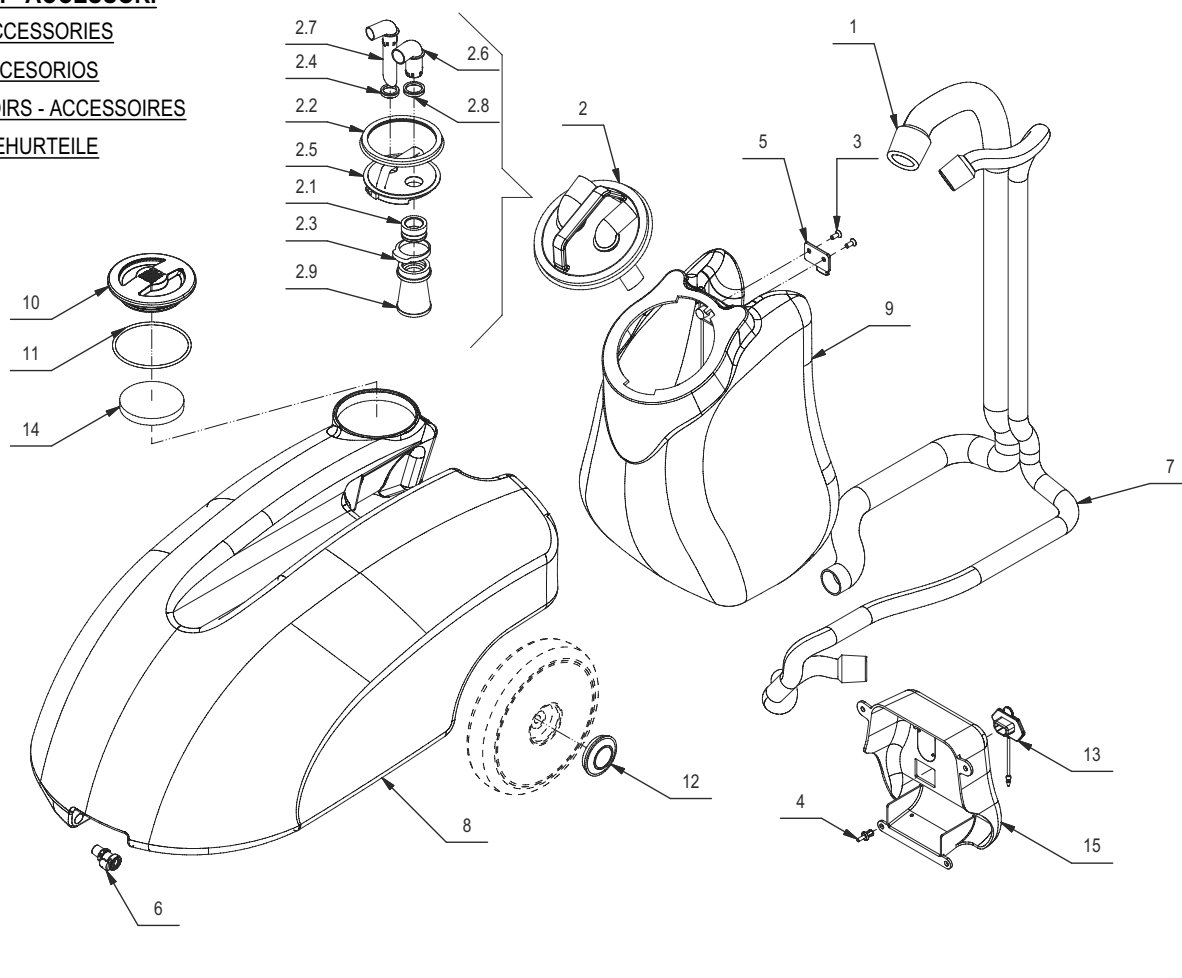
GRUPPO SERBATOI - ACCESSORI

ASSEMBLY TANKS - ACCESSORIES

GRUPO TANQUES - ACCESORIOS

GROUPE DE RESERVOIRS - ACCESSOIRES

GRUPPE TANKS - ZUBEHÖRTEILE



03 Tank Assemblies

ITEM	SKU	QTY	Description
1	E81532	1	Hose, Vacuum 29 D x 1250 L
2	E81534	1	Recovery Tank Cap ASM
2.1	E82853	1	Filter Flange
2.2	E82381	1	Gasket Ring
2.3	E81710	1	Hose Clamp
2.4	E81944	1	Grommet
2.5	E86217	1	Recovery Tank Cap
2.6	E81849	1	Vacuum Elbow Fitting
2.7	E81943	1	Vacuum Elbow Fitting Long
2.8	E86193	1	Grommet
2.9	E82360	1	Air Filter/Shutoff
3	E81963	4	Flat Hd Soc Machine Screw M5x12 SS
4	E83476	4	Rivet, M6.4x10 Nylon
5	E81968	2	Latch
6	E82712	1	Quick Disconnect, Female 1/4
7	E81546	1	Hose, Vacuum 20 D x 1600 L
8	E81556	1	Solution Tank
9	E81972	1	Recovery Tank
10	E81548	1	Solution Tank Cap
11	E81549	1	O-Ring
12	E81971	2	Wheel Cap
13	E81969	1	Rubber Cap
14	E82398	1	Filter, Inlet
15	E85513	1	Battery Charger Cover

GRUPPO TERGIPAVIMENTO

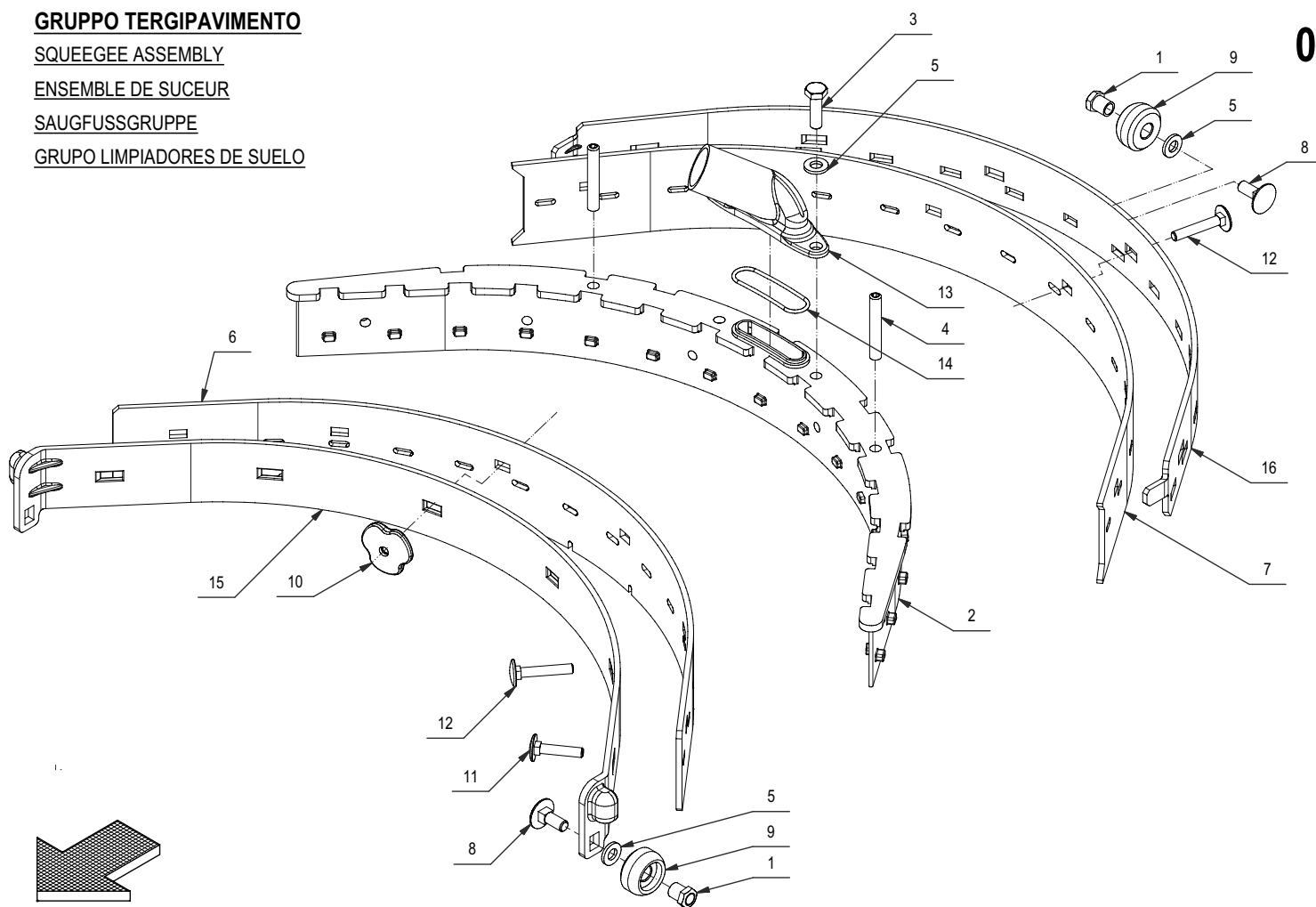
SQUEEGEE ASSEMBLY

ENSEMBLE DE SUCEUR

SAUGFUSSGRUPPE

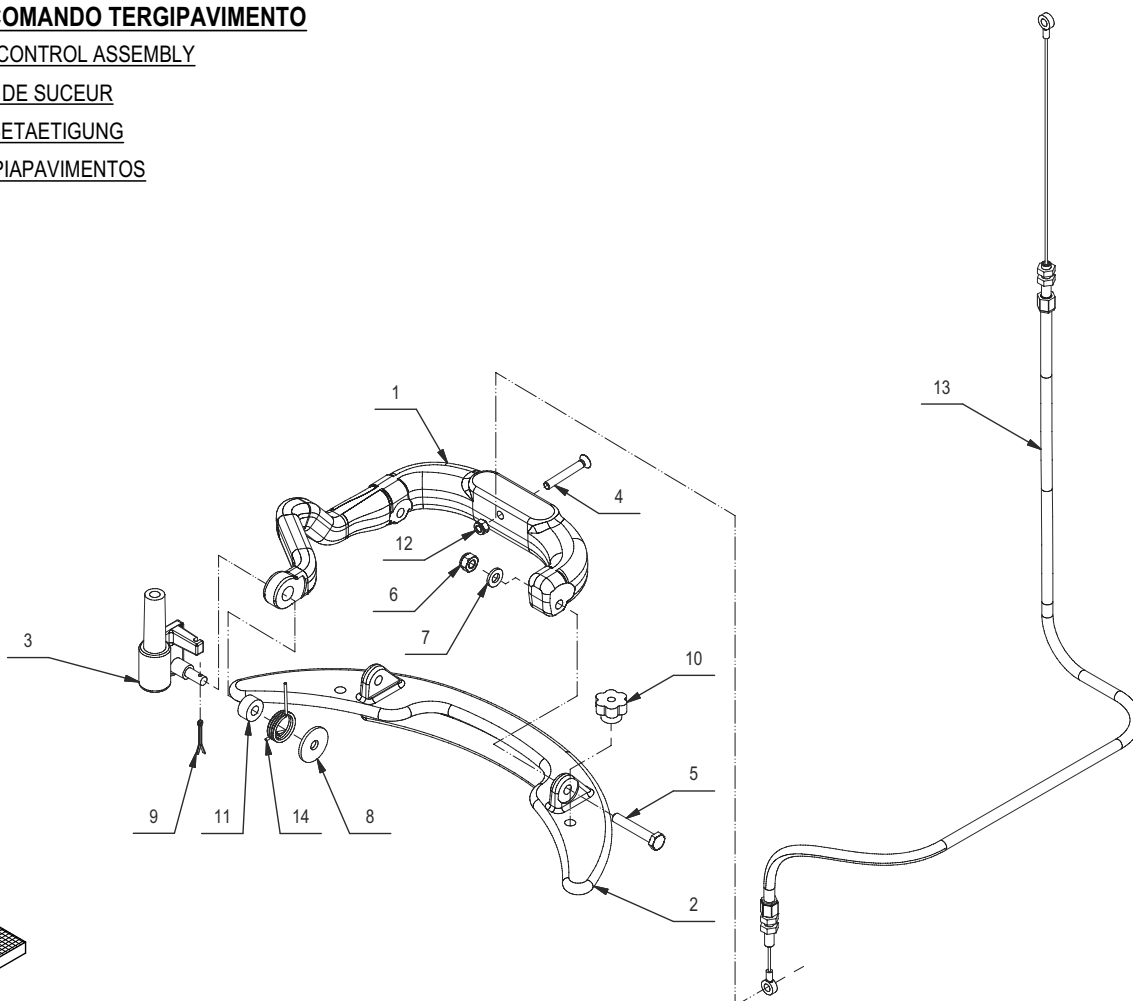
GRUPO LIMPIADORES DE SUELO

04



04**Squeegee Assembly**

ITEM	SKU	QTY	DESCRIPTION
1	E81897	3	Bushing
2	E85792	1	Squeegee Shoe
3	E83914	2	Hex Bolt M6x20 SS
4	E82707	2	Set Screw Hex Soc Flat End M6x40 SS
5	E81934	5	Flat Washer M6x12x1.6 SS
6	E83870	1	Squeegee Blade, Front, Shore 33
7	E83869	1	Squeegee Blade, Rear, Shore 33
8	E81896	3	Carriage Bolt M6x16 SS
9	E81531	3	Squeegee Support Wheel 24 OD x 12.7 W
10	E81753	6	Knob M5
11	E86264	2	Carriage Bolt M5x25 SS
12	E81941	4	Carriage Bolt M5x30 SS
13	E81815	1	Squeegee Vacuum Adapter
14	E81755	1	O-Ring
15	E81909	1	Front Squeegee Band Clamp
16	E82731	1	Rear Squeegee Blade Band Clamp
	E81921		Squeegee Asm, 14" Scrubber

GRUPPO COMANDO TERGIPAVIMENTOSQUEEGEE CONTROL ASSEMBLYCOMMANDE DE SUCEURSAUGFUSSBETAETIGUNGMANDO LIMPIAPAVIMENTOS**05**

05 Squeegee Control Assembly

ITEM	SKU	QTY	DESCRIPTION
1	E87971	1	Squeegee Yoke Arm
2	E86153	1	Squeegee Yoke
3	E82839	1	Squeegee Yoke Pivot
4	E86263	1	Oval Hd Phil Machine Screw M5x35 SS
5	E83834	2	Hex Bolt M6x35 Zinc
6	E83550	2	NyLoc Hex Nut, M6 Zinc
7	E82761	2	Washer 6x12x1.6
8	E83278	1	Flat Washer M6.5x24x2 Zinc
9	E83710	1	Cotter Pin D2x20 Zinc
10	E83810	2	Knob
11	E86152	1	Spacer
12	E20382	1	Nyloc Hex Nut, M5 x 5 Zinc
13	E82419	1	Squeegee Lift Cable
14	E81545	1	Spring

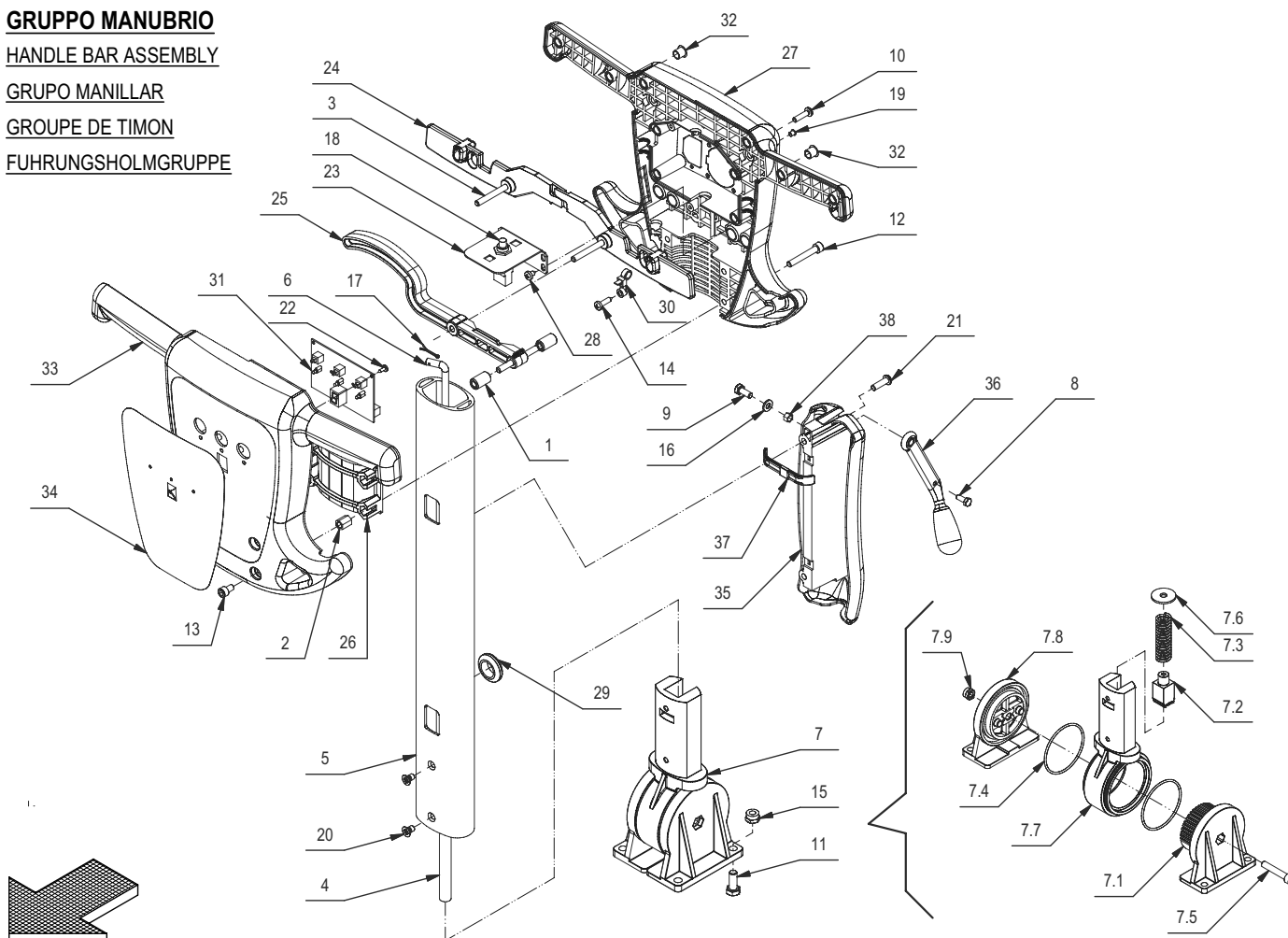
GRUPPO MANUBRIO

HANDLE BAR ASSEMBLY

GRUPO MANILLAR

GROUPE DE TIMON

FUHRUNGSHOLMGRUPPE



06**Handle Bar Assembly**

ITEM	SKU	QTY	Description
1	E86149	2	Bushing
2	E85770	4	High Hex Nut M6x13 Zinc
3	E81793	3	Spring Pin M6x12 Zinc
4	212371	1	PIPE
5	212901	1	ROD
6	E82721	1	Tie Rod
7	213171	1	JOINT
7.1	416497	1	LEFT SUPPORT
7.2	E20516	1	Geared Shoe
7.3	416727	1	SPRING
7.4	416774	2	O-RING
7.5	416698	1	SCREW
7.6	E81918	1	Flat Washer M9x32x2.5 Zinc
7.7	212971	1	JOINT
7.8	416499	1	RIGHT SUPPORT
7.9	E81709	1	Nyloc Hex Nut, M8 Zinc
8	E83665	1	Hex Bolt M5x12 Zinc
9	E82456	1	Hex Bolt M6x14 Zinc
10	E82288	10	Screw, Pan Hd Phil Self Tap
11	E81917	4	Hex Bolt M8x20 Zinc
12	E20342	4	Soc Hd Cap Screw M6x40 Zinc
13	E82835	4	Soc Hd Cap Screw M6x10 Zinc
14	408885	1	SCREW
15	E81709	4	Nyloc Hex Nut, M8 Zinc
16	E82761	1	Washer 6x12x1.6
17	E83710	1	Cotter Pin D2x20 Zinc
18	E82796	1	Switch, Momentary
19	E81791	1	Plug
20	E88173	2	Flat Hd Phil Machine Screw M6x10 Zinc
21	E20364	2	Button Hd Soc Machine Screw, M6 x 20, Zinc
22	E81875	4	Screw, Pan Hd Phil Self Tap M2.9x9.5 Zinc
23	416489	1	SUPPORT
24	E81792	2	Switch Lever
25	E81766	1	Lever, Handle Adjustment
26	E81994	1	Support
27	E81744	1	Handle Bar Console Rear
28	E86150	4	Screw, Pan Hd Phil Self Tap M4.8x9.5 SS
29	416820	1	FAIRLEAD
30	416828	1	CLAMP
31	E81676	1	Control Switch Electrical Board
32	E81790	2	Cap
33	E81781	1	Handle Bar Console Front
34	E20502	1	DECAL
35	E88428	1	Plastic Cover
36	E20264	1	Squeegee Lift Lever
37	E20544	1	Plastic Mounting Clip
38	E86132	1	Spacer

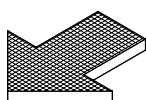
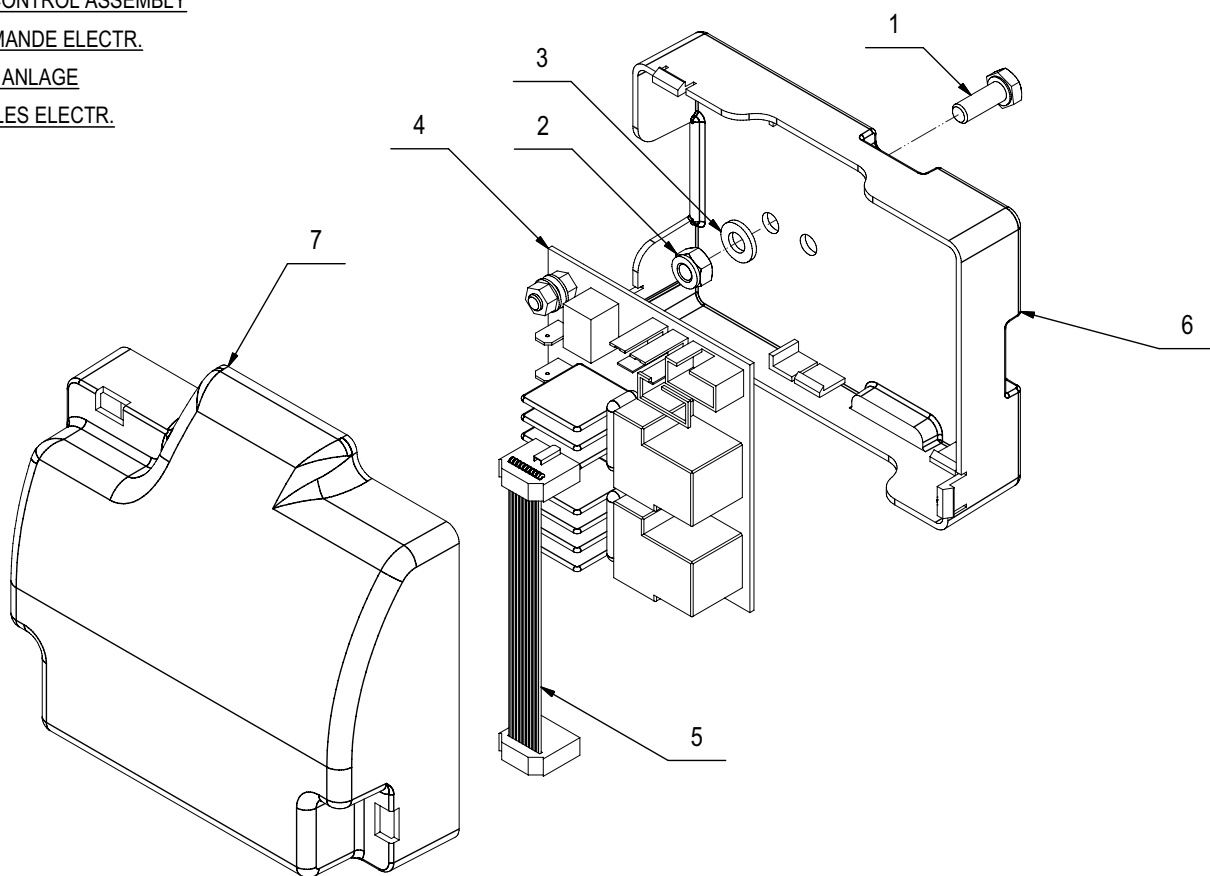
GRUPPO IMP. ELETTRICO

ELECTRONICAL CONTROL ASSEMBLY

ENSEMBLE COMMANDE ELECTR.

ELEKTRONISCHE ANLAGE

GRUPO CONTROLES ELECTR.

07

07 Electronic Control Assembly

ITEM	SKU	QTY	Description
1	E83547	1	M6x16 Bolt, Zinc Hex Head
2	E83550	1	NyLoc Hex Nut, M6 Zinc
3	E82761	1	Washer 6x12x1.6
4	E81767	1	Relay Electrical Board
5	E81787	1	Ribbon Cable
6	E85788	1	Electrical Housing
7	E85771	1	Electrical Cover

ACCESSORI

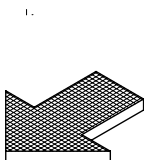
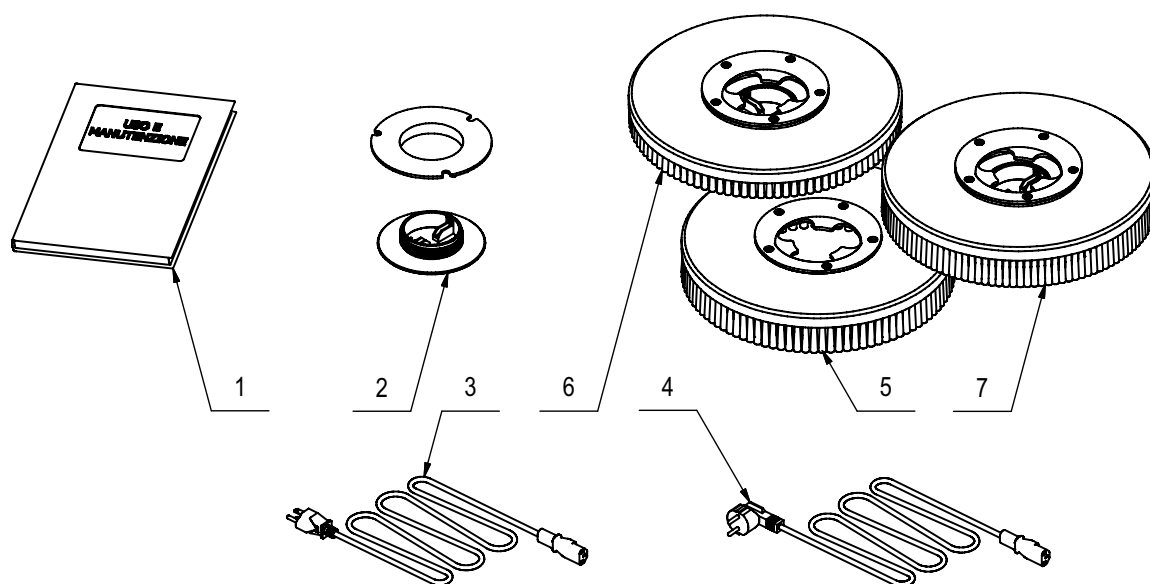
ACCESSORIES

ACCESORIOS

ZUBEHÖRTEILE

ACCESSOIRES

08



08

Accessories

ITEM	SKU	QTY	Description
1	CALL	1	USE AND MAINTENANCE
2	E82367	1	Center Lock
3	E82438	1	Power Cord
4	421360	1	CABLE
5	E81608	1	Brush Heavy Scrub 14" PPL
6	E88140	1	Pad Holder 14" STD
7	E82408	1	Pad Driver

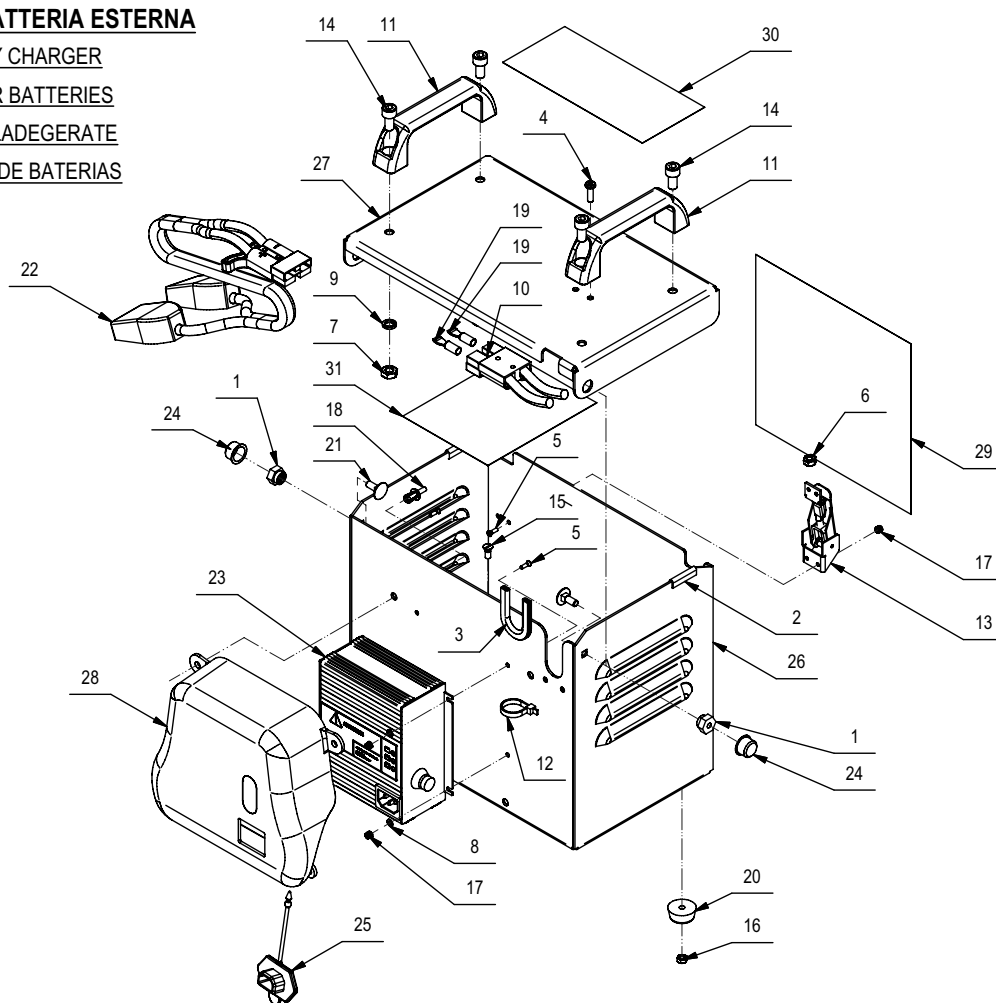
UNITA' CARICABATTERIA ESTERNA

ASSEMBLY BATTERY CHARGER

GROUPE CARGHEUR BATTERIES

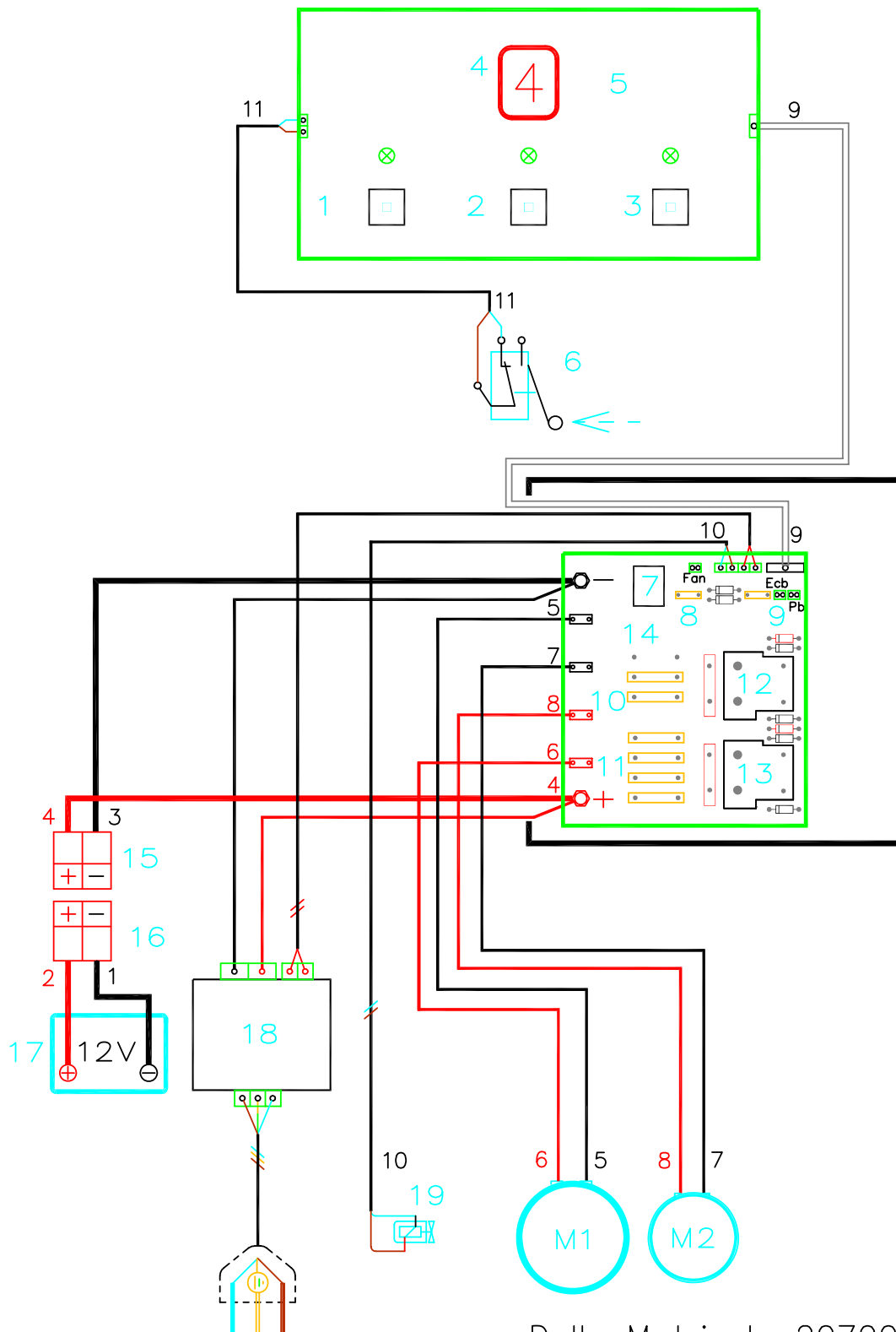
GRUPPE BATTERIE LADEGERATE

GRUPO CARGADOR DE BATERIAS

A1

A1**Charger Assembly**

ITEM	SKU	QTY	Description
1	212368	2	BUSHING
2	213322	2	PROFILE
3	213323	1	PROFILE
4	408893	2	SCREW
5	E81672	8	Flat Hd SL Machine Screw M3x10 SS
6	E83852	2	Hex Nut, M6x5
7	E82808	4	Hex Jam Nut, M8X5 Zinc
8	E81979	4	Flat Washer M3x7x0.5 SS
9	E83704	4	Lock Washer M8x13x2.2 Zinc
10	E86208	1	SB50 Red Electrical Connector
11	E88090	2	Handle Enjoy 365
12	E81565	1	Clamp, 4.8x200 Black
13	E82376	2	Latch, Catch & Clasp 2pc set
14	415765	4	SCREW
15	415817	4	SCREW
16	415886	4	NUT
17	415897	8	LOCK NUT
18	E83476	4	Rivet, M6.4x10 Nylon
19	E81537	2	Contact, SB50
20	416319	4	RUBBER CAP
21	E81896	2	Carriage Bolt M6x16 SS
22	E81542	1	Cable, Battery Vispa Genie Before 209XXXXX
23	E81544	1	Charger 12VDC 6AMP 120VAC ONB AGM GEL BSB50
24	422540	2	CAP
25	E81969	1	Rubber Cap
26	423660	1	BATTERY BASE
27	423661	1	COVER
28	423670	1	COVER
29	423787	1	DECAL
30	423788	1	DECAL
31	423789	1	DECAL



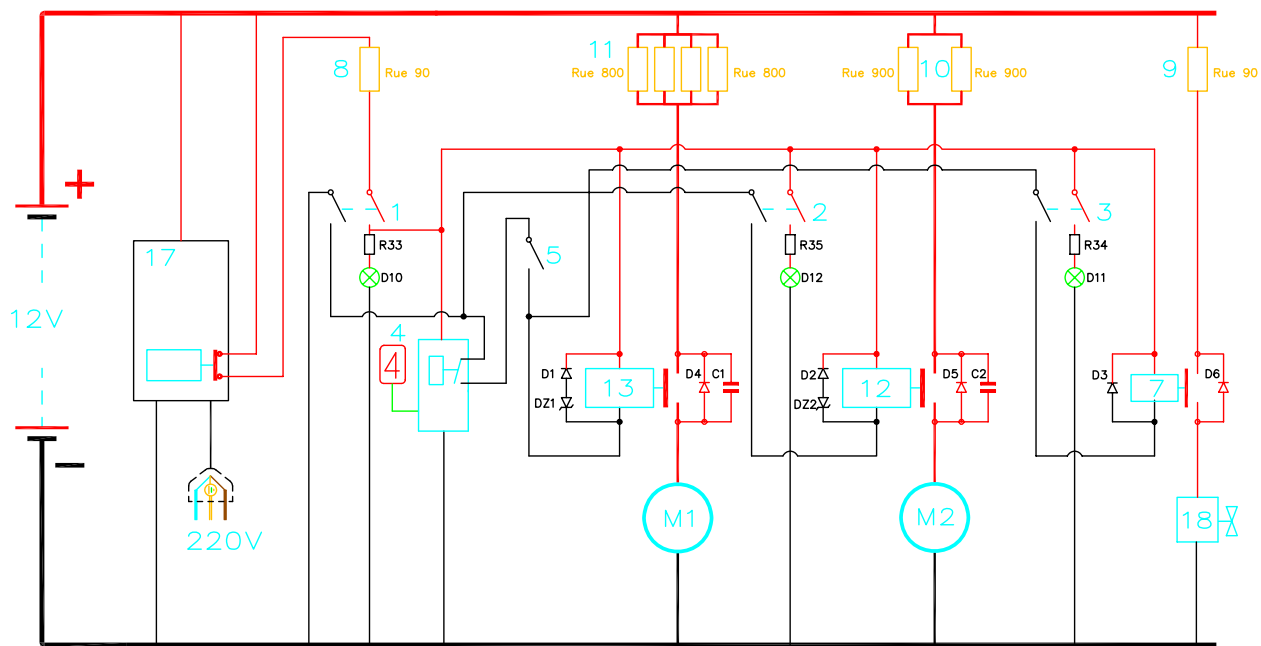
Dalla Matricola 207003744



FIMAP S.p.A. Via Invalidi del Lavoro, 01 S.Maria di Zevio (VR)

DISEGNATO	Olivo	VERIFICATO	Zanardi	APPROVATO	Guerra
MACCHINA	Genie 35			DATA REV. 00	15-11-2006
CODICE MAC.					
OGGETTO	Schema impianto elettrico				
REVISIONE	01	REVISIONATO	Olivo	DATA	15-06-2007

ITEM	SKU	Description
1	----	Microswitch brushes motor
2	----	Microswitch suction motor
3	----	Microswitch solenoid valve
4	----	Battery control signal 12V
5	E81676	Control Switch Electrical Board
6	E82270	Micro Switch
7	----	Rele' solenoid valve
8	----	Fuse Rue 90 general aux.
9	----	Fuse Rue 90 solenoid valve
10	----	2 fuses Rue 900 suction motor
11	----	4 fuses Rue 800 brushes motor
12	----	Rele' 12V-40A suction motor
13	----	Rele' 12V-40A brushes motor
14	E81767	Relay Electrical Board
15	E86208	SB50 Red Electrical Connector
16	E86208	SB50 Red Electrical Connector
17	----	Batterie 12V 65Ah
18	E81544	Charger 12VDC 6AMP 120VAC ONB AGM GEL BSB50
19	421603	Coil solenoid valve 12V ¼ ACL
M1	E81555	Brush Motor 12VDC 360W
M2	E81538	Vacuum Motor 12VDC 250W
1-2	E81542	Cable, Battery Vispa Genie Before 209XXXXX
		connector 50A -1/2-
3-4	E85785	Wiring Harness, Battery to Relay Card
9	E81787	Ribbon Cable
10	E88411	Solenoid Cable, Genie B
11	423049	2 cables blue-brown -11-



Dalla Matricola 207003744

01	15/06/2007	Impianto con schede elettroniche	Olivo	Zanardi	Guerra
REV.	DATA	MOTIVO	DISEGNATO	CONTROLLATO	APPROVATO
 FIMAP S.p.A.			S.Maria di Zevio VERONA		
DISEGNATO	Olivo	CONTROLLATO	Zanardi	APPROVATO	Guerra
MACCHINA	Genie 35 -12V-			DATA REVISIONE 0 16/10/2006	
GRUPPO	Impianto Elettrico			CODICE	
OGGETTO	Schema Funzionale			N° DISEGNO	

BETCO US WARRANTY POLICY

10 year coverage

Subject to the conditions stated below, Betco warrants parts and labor on rotationally molded polyethylene tanks/housings and injection molded vacuum head assemblies to be free from defects in materials and workmanship for a period of ten years to the original purchaser.

3 Year Coverage

Subject to the conditions stated below, Betco warrants parts and labor on all other Betco components to be free from defects in materials and workmanship for a period of three years to the original purchaser.

1 Year Coverage

Subject to the conditions stated below, Betco offers a limited warranty on parts and labor on the following equipment: parts and accessories to be free from defects in materials and workmanship for a period of one year to the original purchaser.

- DM Series Vacuums: #85506-00, #85507-00
- Bac Pac Lite Vacuum: #85903-00
- FiberPRO® Floor Dryer: #85507-00
- WORKMAN™ Series Vacuums: #85024-00, #85025-00, #85026-00, #85027-00
- CV100T Vacuum: #85023-00
- All Tools and Accessories
- All Battery Chargers
- All Batteries are pro-rated for 1 year

Allowable Travel Time Warranty Reimbursement:

Eligible equipment: All battery and propane powered equipment products. Warranty period: 90 days from date of sale to the original purchaser. A maximum 60 mile round trip at 44 cents per mile will be allowed for warranty consideration.

Propane Machine Warranty:

Honda engines are warranted by Honda for a period of 2 years against manufacturer defects. Kawasaki engines are warranted by Kawasaki for a period of 2 years against manufacturer defects. All other components (except wear items)* are warranted by Betco for a period of 3 years.

***Wear Items exempt from Warranty consideration include but may not be limited to: power cords, transport wheels, vacuum bags, belts, squeegee blades, pad drivers, clutch plates, handle grips, filters, screens, throttle cables, brushes and carbon brushes.**

Subject to the conditions and exceptions stated in this warranty, Betco warrants the Betco products to be free from defects in material and workmanship, under normal use and service, for the periods listed under the warranty policy to the original purchaser. At any time during the warranty period, Betco will furnish replacement parts for the Betco parts to the original purchaser. Such parts will be furnished and charged including transportation costs, to the original owner through any Betco authorized Service Distributor. If the original part is returned within the warranty policy period from date of delivery for inspection by Betco and is found to be defective the owner will be credited for the cost of replacement parts plus shipping and handling. Replacement parts that have become defective through wear or abuse are not included in this warranty.

This warranty does not apply to damage or defect caused by accident, misuse, Negligence, fire, or to any Betco product which has been serviced or repaired by other than an authorized Betco Service Distributor or Betco factory personnel. This warranty is void if products are used for any purpose other than that which was intended. There are no other warranties expressed or implied. In no event shall Betco be liable for incidental or consequential damages or any damage to person or property. (Please note some states do not allow the exclusion or limitations for incidental and consequential damages)

