



E89000-00



GS15

15" Grout Automatic Scrubber



Operator's Manual Parts Schematic

1.0 NOTES FOR THE CLIENT

This manual provides information concerning use, maintenance and safety of Dirt Dragon machine designed and constructed to guarantee maximum performance, comfort and ease of use in a variety of circumstances.

We invite you to read it with attention in order to avoid mistakes and obtain the best results.

In addition, we suggest you refer to it if problems should arise.

Before delivery, your Dirt Dragon machine was tested both in the factory and by our dealer to guarantee perfect functioning. To maintain the machine in this condition and assure trouble-free use, it is necessary to perform **periodic maintenance** as described in the manual (See page 11).

2.0 MODIFICATIONS AND IMPROVEMENTS

We reserve the right to carry out, when necessary, modifications and improvements without granting these improvements to previously sold machines.

3.0 CONVENTIONS AND LEGEND

Indications such as **RIGHT** or **LEFT**, **CLOCKWISE** or **COUNTER-CLOCKWISE** used in this booklet relate to the forward movements of the machine.

NOTE

The paragraphs preceded by this symbol concern instructions which, if not followed, can cause **damage to the machine**.



The paragraphs preceded by this symbol concern instructions which, if not followed, can cause **damage to people**.



The paragraphs preceded by this symbol concern instructions which must be read **very carefully**.

Use this manual to get acquainted with the characteristics of the machine and better understand how to make the best use of them.

4.0 SAFETY RULES

Most accidents at work happen because of failure to adhere to the most simple safety regulations. Accident prevention information will only be effective if the operator collaborates actively and carefully. In particular, take account of the following rules:

1. **Read** the instructions in this manual carefully before using the machine.
2. **Forbid the use** of the machine by people who are not authorized and instructed by qualified personnel.
3. **Pay attention** to other people, especially children, who are present while the machine is in use.
4. **Check** that the power supply **sockets** are properly grounded and protected by thermal magnetic and differential switches.
5. **Make sure** that the electrical features of the mains fulfill the power supply requirements of the machine (*voltage, frequency, power draw*), given on the machine name plate.
6. **Avoid** exposing the machine to **flammable** materials or fumes (fuels, solvents, etc.) which could cause explosions.
7. **Repairs** must be performed only by our qualified personnel.
8. **Pull** the plug of the power supply cord out of the socket during maintenance operations.
9. **Take care** that the **power supply cord** for connection to the mains is not crushed or torn during use.
10. **Do not use** the machine when its power supply cord is crushed or torn.

11. ***After you have replaced a component***, make sure all electrical connections are fixed in order to ensure sufficient resistance to cable pulling.
12. ***Do not leave*** the machine unattended when it is plugged in.
13. **DO NOT ALLOW THE SOLUTION PUMP TO RUN DRY** for more than **5 minutes**.

5.0 MACHINE IDENTIFICATION DATA

6.0 SERIAL NUMBER AND EC MARK

Make sure the machine is fitted with its serial number and CE mark plate, located as illustrated in figure 1. If not, contact your dealer.

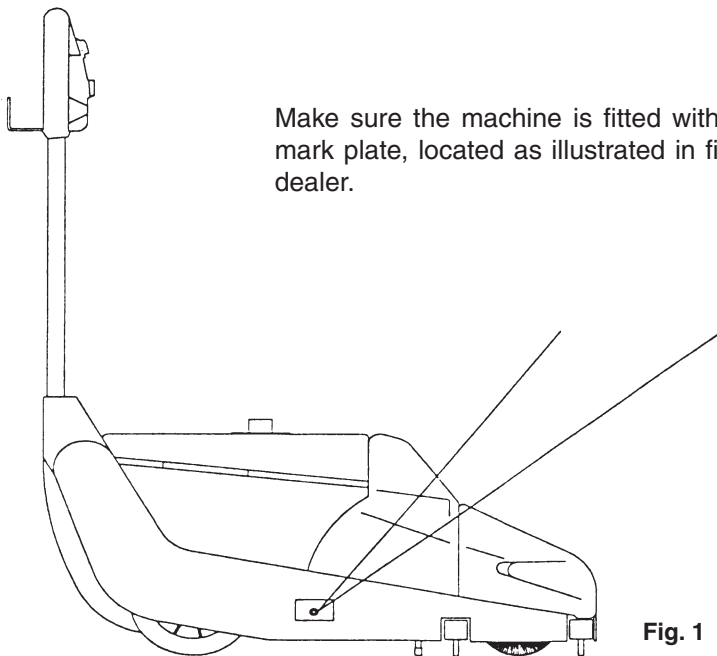
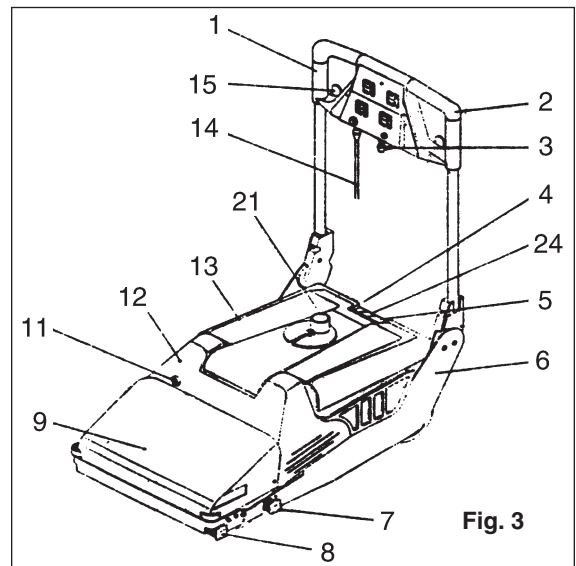
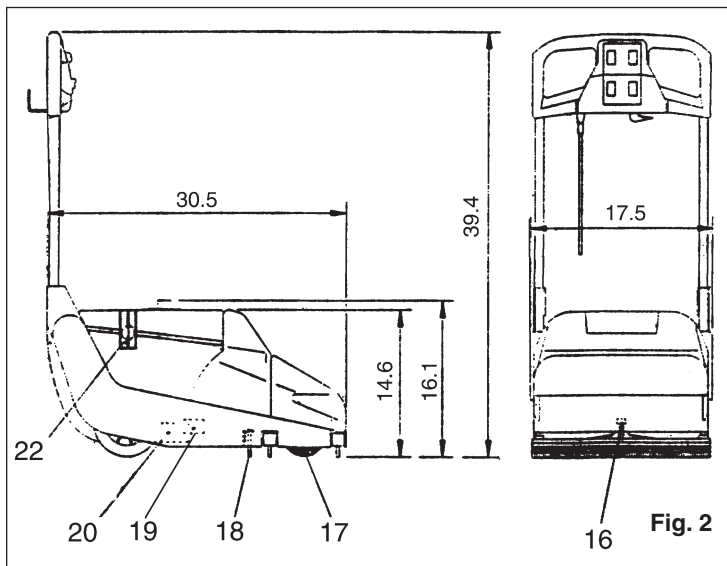


Fig. 1

7.0 TECHNICAL SPECIFICATIONS

Cleaning width	14.8 in.
Floor wiper length	16.9 in.
Brush diameter	4 in.
Brush rotation	800 rpm
Brush pressure	17.5-35 lbs.
Brush motor power	370 watts
Suction motor power	100 watts
Suction vacuum	90.5 in. H ₂ O
Solution tank capacity	3.7 gal.
Waste water tank capacity	3.9 gal.
Accessory tank capacity	1.8 gal.
Wheels (diameter)	5.9 in.
Weight (with empty tanks)	79.4 lbs.
Overall dimensions w/o handlebar	30.5 x 17.5 x 14.6 in.
Equivalent level	78.5 dbA
Maximum level	80.7 dbA
Minimum level	76.5 dbA

The equivalent noise measurements refer to a machine operating in standard conditions of use. No operating **method** or **time** of use calls for the operator of the machine to take particular measures.



- | | | |
|---------------------|--------------------------|-------------------------|
| 1. Control panel | 9. Front bonnet | 18. Lifting device |
| 2. Hand grip | 11. Snap coupling * | 19. Serial number label |
| 3. Handle release | 12. Bonnet | 20. Filter |
| 4. Water tank | 13. Tanks cover | 21. Suction inlet * |
| 5. Waste water tank | 14. Power supply cord | 22. Float |
| 6. Chassis | 15. Cord hook | 24. Accessory tank |
| 7. Rear squeegee | 16. Pressure adj. device | |
| 8. Front squeegee | 17. Brush | |

* **Optional**

8.0 TRANSPORT

8.1 UNPACKING

Unpack the machine taking care to avoid any movements which could damage it. Check that all parts are integral. If this is not the case, DO NOT use the machine and consult your dealer.

8.2 CONTENTS OF THE PACKAGE

- 1 Machine
- 1 Use and maintenance booklet and Declaration of Conformity
- 1 Spare parts booklet
- 1 Guarantee coupon

If you notice any parts are missing, contact your dealer immediately.



Do not forget to place packing materials (bags, cardboard, pallet, ganci, and so on) **out of the reach of children.**

9.0 RANGE OF USES

MACHINE USE

Your machine is suitable for washing and drying floors and surfaces in general by exerting a vigorous brushing action and sucking up the washing water.

Any other use is *prohibited* as it may cause damage to things or persons.

The manufacturer cannot be held responsible for damage caused by the machine when used inappropriately.

NOTE



The machine must not be **tampered with:** in such cases the manufacturer ***cannot be responsible*** for any damage caused by use of the machine.



REMEMBER TO KEEP THE MACHINE ***OUT OF THE REACH OF CHILDREN***

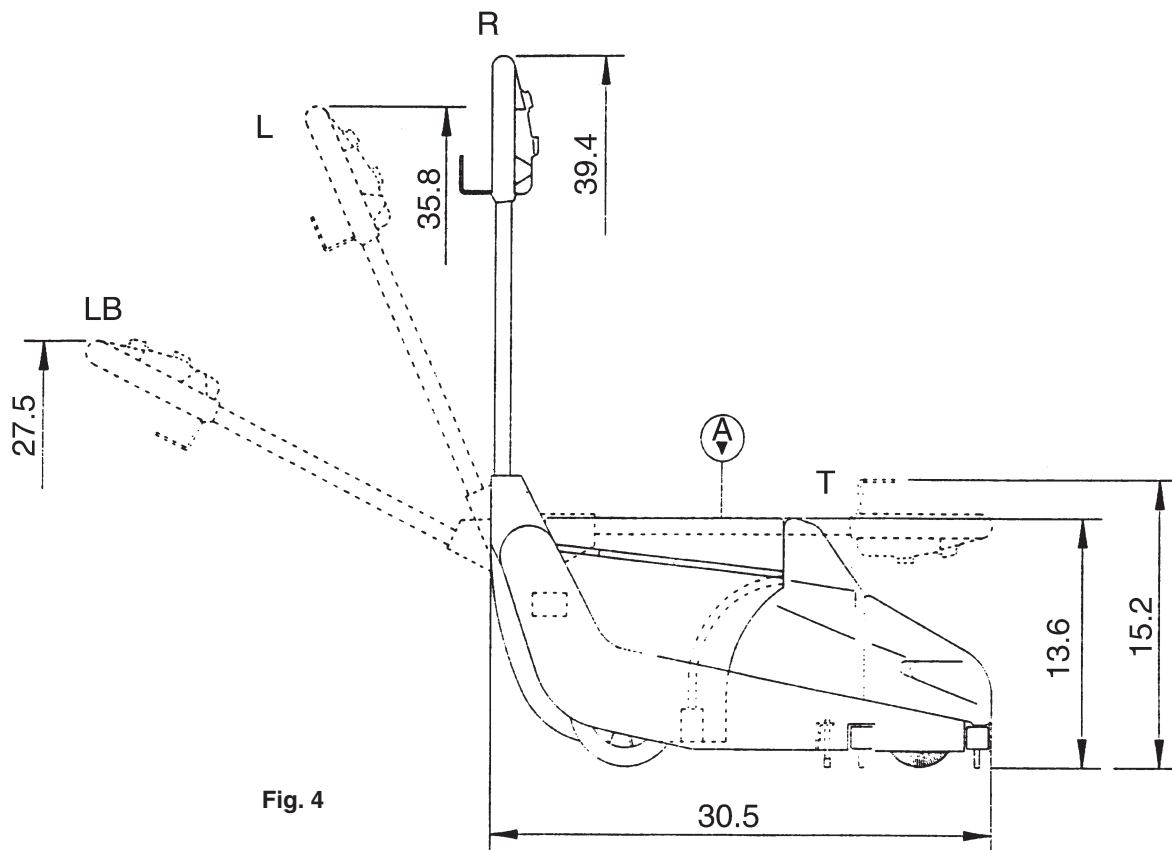
10.0 PREPARATION OF THE MACHINE

10.1 LIFTING

- Your machine should have the handle in **T** position (see FIG. 4).
- Grip both arms of the handle at the middle (**A**) (see FIG. 4).
- Lift the machine after checking that the articulation coupler is firmly fastened (try lifting the machine a few times).
- Push the handle to position **R** (FIG. 4).

10.2 TRANSFER

- The machine should have the handle in R position (see FIG.4)
- The power supply cord (14 FIG. 3) should be **disconnected from the mains** and wound onto the corresponding support (15 FIG. 3) of the handle.
- Lift the front part of the machine a little, using the handgrip of the handle, to push the machine forward.



11.0 CONTROLS AND FUNCTIONAL PARTS

11.1 CONTROLS (FIG. 5)

1. **Main switch**
Start/Stop switch for the current input.
2. **Mains light**
Light that comes on when the plug is connected to the socket.
3. **Handle release**
Operates the releasing of the handle articulation (give half a turn counter-clockwise).
4. **Fuse**
Protects the electrical equipment.
5. **Brush switch**
On/Off switch for operating the motor of the brush.
6. **Suction switch**
On/Off switch for the suction motor.
7. **Water pump switch**
On/Off switch for the pump.
8. **Water pump button**
Button: as above (to operate the pump non-stop).

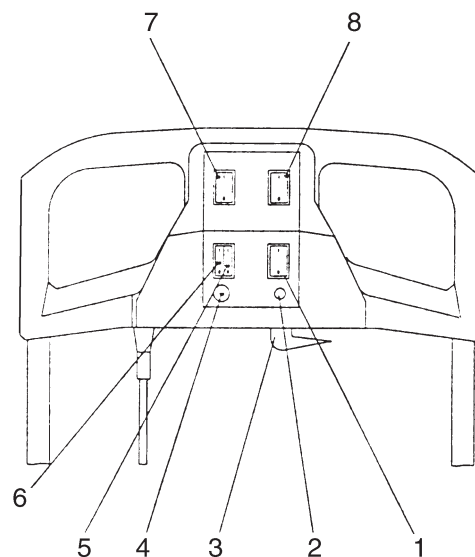


Fig. 5

11.2 HANDLE

The handle (2 FIG. 3) of your machine can assume four different positions.

To release, turn the lever (3 FIG. 3) counter-clockwise as far as it will go; this operation releases the two articulated joints simultaneously. The handle can adopt the following positions (FIG.4):

- T=Transport** In this position the machine is less bulky and can be lifted by gripping the handle in the midline (A).
- R=Rest** A special spring lifting device (18 FIG. 2) lifts the brush from the floor and therefore reduces the pressure exerted on the rubber pads of the squeegee, in order to avoid damage. In this position, the machine can be moved from room to room and stored.
- L=Work** In this position the lifting device is disconnected and the machine is ready for use.
- LB=Low work** To facilitate cleaning under tables, benches, furniture, etc., the handle can be released from its Work position and bent as far as desired.

NOTE The machine must be put away with the handle in T or R position after use.

11.3 FLOOR WIPER (SQUEEGEE)

Squeegees are devices that enable drying of the damp floor. If the machine is not drying effectively, check for any dirt or foreign matters on the squeegee. In this case, you will have to remove the squeegee to clean it.

11.3.1 DISASSEMBLY

- 1) Set the handle in R position (FIG. 4).
- 2) Remove the side lock of the squeegee support *by pulling it upwards*.
- 3) Remove the floor wiper *by pulling it out as if it were a drawer* from the opposite side of the locking.

ATTENTION: *The lock on the rear squeegee is on the right of the machine, while that of the front squeegee is on the left.*

11.3.2 ASSEMBLY

- 1) Put the floor wiper back by pushing it into its guides.
- 2) Insert the lateral lock in the special swallow tailed slide of the squeegee support and press it down.

N.B. refit the squeegees back in the same position.

11.4 BRUSH

The brush ensures removal of dirt thanks to its mechanical action on the floor.

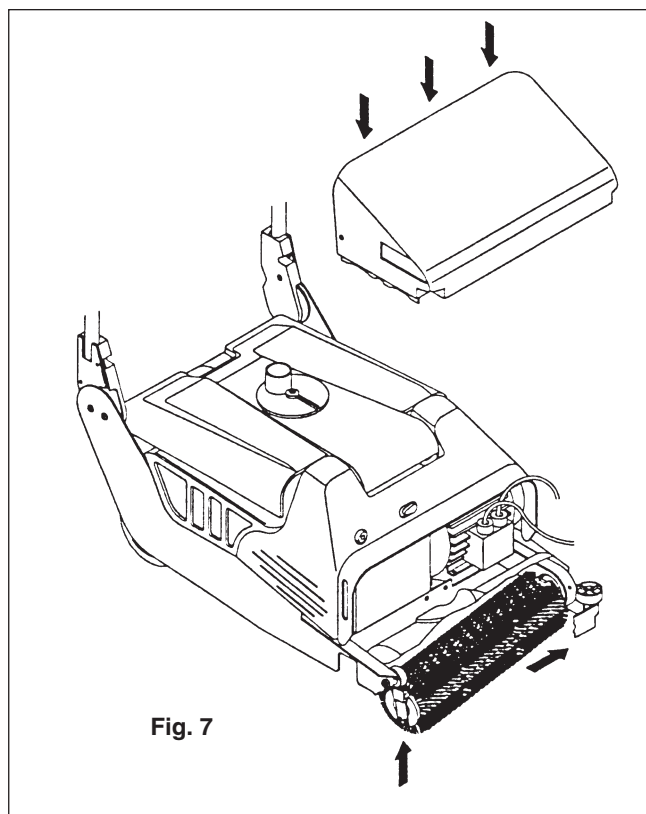
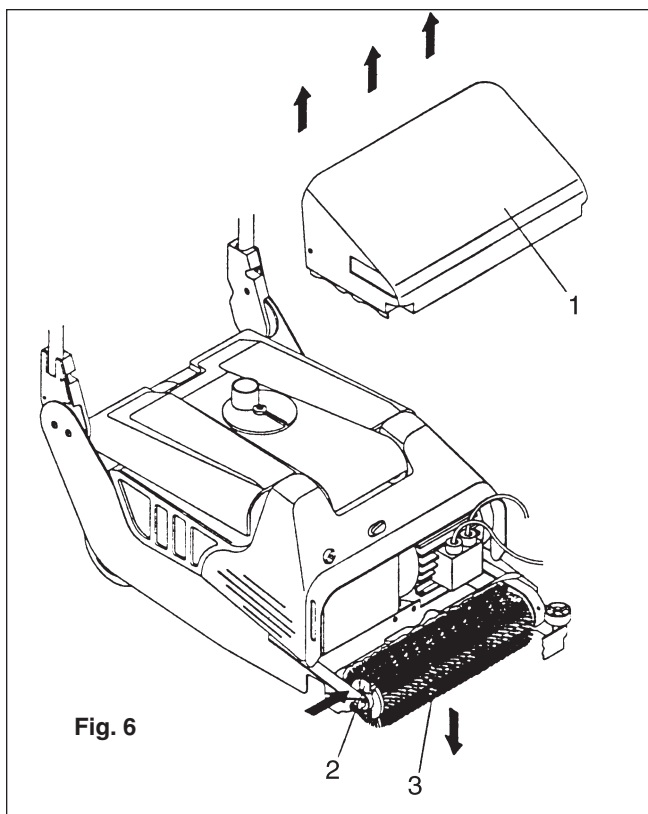
If you are using the machine in particularly dirty environments, the self-cleaning system of the brushes may not be sufficient. In this event, we recommend you to remove the brush and wash it by hand.

11.4.1 DISASSEMBLY

- 1) Remove the front bonnet (1 FIG. 6) by grasping its side and pulling outward.
- 2) Turn the brush (3 FIG. 6) so that its coupling lever (2 FIG. 6), located on its right hand side, is facing upwards.
- 3) Push the roll coupling lever axially (2 FIG. 6) in such a way as to release it and, at the same time, press the roll down and pull it out crosswise.

11.4.2 ASSEMBLY (FIG. 7)

To refit the brush, carry out the above operations in reverse order.



11.5 SQUEEGEE ADJUSTMENT

The floor wipers are fitted with pressure adjustment devices so as to suit different types of surface.

To regulate the pressure of the rubber lips turn the adjustment device (1 FIG. 8) clockwise to increase pressure or counter-clockwise to reduce it.

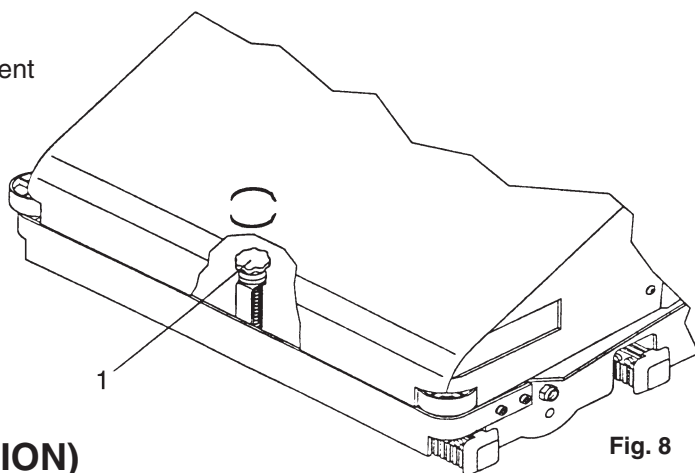


Fig. 8

11.6 FRESH WATER TANK (SOLUTION)

This contains the detergent solution (3.7 gal.) and is filled in the following way:

1. Lift the cover (13 FIG. 3) and tip it onto the front part of the machine.
2. Fill the fresh water tank (4 FIG. 3).

NOTE The maximum water level is 1.5 in. from the top of the tank.

3. Add detergent according to the instructions given by the detergent manufacturer.
4. Lower the cover.

11.7 WASTE WATER TANK

1. *Lift the cover* and tip it onto the front part of the machine.
2. *Pull out the waste water tank* by gripping it by the handles positioned at the sides of the opening and pulling it upwards.
3. *Pour the waste water* into a wash basin or drain and rinse it with fresh water.
4. *Put the tank* back on the machine and lower the cover. Make sure it is firmly shut before starting your work. Staff up the suction system and try lifting the cover: difficulty lifting the cover means that it is firmly shut.

11.8 ACCESSORY TANK

This contains the detergent solution (1.8 gal.) and is filled in the following way:

1. Lift the cover (13 FIG. 3) and tip it onto the front part of the machine.
2. Fill the fresh water tank (24 FIG. 3).

11.9 SUCTION SYSTEM FLOAT

NOTE When the level of dirty water in the tank has reached its maximum level, a safety system (float) stops the machine's suction system.

When the float is activated, you will notice that the noise of the suction motor changes immediately. This means you must take the necessary corrective measures.

Stop the machine immediately and empty the tank as described in the previous paragraph.

12.0 ACCESSORIES



THIS OPERATION MUST BE CARRIED OUT WITH THE MACHINE OFF.

1. Connect the accessory pipe (1) to the relevant fitting (2).
2. Turn the suction inlet (2) counter-clockwise to activate suction.
3. Fit the water pipe (3) with the snap coupling (4).
4. Shut off the valve (5).
5. Turn on the machine using controls 1-6-7 (see FIG. 5). The accessory will wash and dry. At the end of your work, turn off the machine. To disconnect the accessory, open up the valve (5), release any residual pressure and disconnect the pipe. Shut off the suction inlet before turning on the machine.

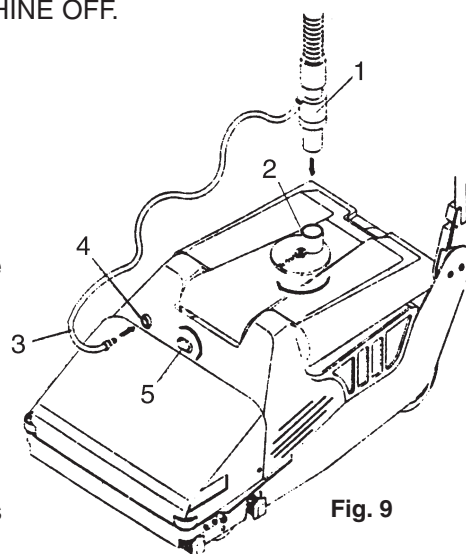


Fig. 9



IT IS STRICTLY PROHIBITED to touch moving parts of the machine and to remove the front bonnet while the machine is operating.

13.0 ELECTRICAL CONNECTIONS

The electrical features of the machine are printed on the serial number label (1 FIG. 1): check that the **frequency and voltage correspond** exactly to those of the electric system of the room where you are working.



Make sure the mains is effectively grounded and that the sockets and adapters used guarantee the continuity of the grounding wires.

NOTE



Failure to observe these instructions may cause severe damage or injuries, apart from forfeiting the guarantee.

14.0 PREPARING THE MACHINE FOR WORK

1. *Empty out the waste water tank.*
2. If necessary, *wipe the filter* (20 FIG. 2), which is located inside the solution tank (4 FIG. 3), clean.
3. *Fill the solution tank* with a suitable mixture of water and detergent.

NOTE

This operation must be carried out after checking that the *waste water tank has been completely emptied* to avoid damage to the suction motor.

15.0 STARTING UP

15.1 RULES FOR THE OPERATOR

- 1) **Do not pour** trichloroethylene, petrol, benzol, oil, acetone, hydrochloric acid, turpentine or other solvents into the tanks as these would damage the plastic or inflammable materials.
- 2) During use **make sure** that the power supply cord stays clear of the machine's operating radius and, in particular, that it does not get caught under the spinning roll.
- 3) **If black-outs occur**, turn the main switch to "0".
- 4) **Switch off** the machine after use, after having placed the handle in a vertical position.
- 5) **Use** the machine in dry and well lit rooms.
- 6) **Check** the condition of the electrical cables daily.
- 7) **Do not carry out** repair work on the machine when it is running and therefore plugged in.
- 8) **Check** that the work space around the operator is free from obstacles.
- 9) **The machine must only be used by adequately instructed personnel.**
- 10) **Store the machine** in a dry and sheltered place.

15.2 WORK

- 1) After preparing your machine, you can start washing and drying. It is recommended to move the machine along a pattern of orderly and slightly overlapping "strips".
- 2) Make sure all switches are in "stop" position (O) and plug in the machine.
- 3) Push the handle to work position (L).
- 4) Turn on the Main (1), Brush (5) and Water Pump (7) switches or (8) (Fig. 5).
Make sure the solution is evenly spread on the surfaces to wash by lifting the front part of the machine a little. This is done by pushing down the handgrip and pushing the machine forward.
- 5) For particularly dirty surfaces, it is advisable to switch off the suction motor and insist on the dirty surfaces by means of the combined action of the brush and the detergent.

NOTE Pay attention to the floor

- 6) Turn on the suction system (6).
Make sure drying is effective, otherwise you will have to *adjust the pressure of the squeegees*.
- 7) The active squeegee is always the forward one with respect to the movement of the machine (the retreated squeegee will be closed in this situation).

NOTE: To make the machine easier to use and to obtain the best results, we recommend you operate on straight strips of floor.

15.3 ENDING WORK

Empty out and rinse the waste water tank. Place the handle in rest (R) or transport (T) position (FIG. 4), ensuring that the brush and squeegees are not in contact with the floor.

16.0 PRACTICAL ADVICE FOR USE

- 1) With very dirty floors or floors which are particularly difficult to clean, the following washing and drying operations can be performed:

Pre-washing: switch on the main (1), brush (5) and water pump (7) switches, but not the suction motor one. Keep the machine within a particularly dirty area until it is clean.

Washing: spread a sufficient quantity of the cleaning solution onto the floor, switch off the water pump (7) and continue brushing, so that the solution can dissolve the dirt which will be thus removed by the brush.

Drying: switch on the suction motor (6) and pass over the previously washed strip.

- 2) **Simultaneous washing and drying:** switch on the brush (5), water pump (7) and suction motors simultaneously.
- 3) Do not keep the machine still when its brush is spinning.
- 4) Stop the supply of solution a few yards before changing direction.
- 5) To complete drying, switch on the brush and suction motors and switch off the water pump (7).
- 6) If the detergent solution stops flowing, *the detergent solution tank is likely to be empty*.
If you want to continue washing, the water pump (7) must be switched off, in order to prevent it running dry.
- 7) To guarantee effective operation of the machine, nonfoaming detergents must be used.

17.0 MAINTENANCE

17.1 GENERAL INFORMATION

Carry out periodic maintenance as described below:

Daily: Check that both tanks are perfectly clean before putting the machine away after use.
Make sure the solution tank filter is clean.

Weekly: Check that the lips of the rubber squeegees are in perfect condition. Make sure the openings of wiper blade supports are not clogged so that the solution can be completely removed from the floor.

Every six months: Have the electrical system checked by a qualified person.
Thoroughly wash the tanks and filter.
To do this, pour 2 quarts of a solution of 90% water, 10% decalcifying detergent into the fresh water tank and activate the pump until the tank has been completely emptied.
Rinse the tank with 1 quart of water, activating the pump until the tank is empty.



Do not carry out any of these procedures with the power supply cord plugged in.

17.2 CLEANING THE WATER FILTER

The filter can be removed without removing the rubber strip and washed carefully under running water.

NOTE Replace the filter with care.

17.3 CHANGING THE SQUEEGEE BLADES

If the squeegees are worn and their action is insufficient (even after they have been washed by hand), we recommend you replace them.

- 1) Remove the floor wiper (see par. 11.3.1).
- 2) Remove the drying blade and the counter-blade from the support.
- 3) Install the new blades making sure that the drying blade (without teeth) is placed on the open side of the support and that the counter-blade is on the opposite side.
- 4) Re-assemble the floor wiper (see par. 11.3.2).

ATTENTION: the stopping point of the support and the end of the aluminum squeegee support must match perfectly this does not happen, the support has been mounted back to front).

17.4 PROLONGED IDLE PERIODS

When the machine is at rest the **floor wiper** and the **brush must be raised** to avoid deformation of the drying blades and bristles.

To do this, place the handle in a vertical position and tip it forwards. The machine will be lifted by a specifically designed device.

During long periods of inactivity, wash out with a decalcifying solution as described in the instructions for “periodic maintenance.”

18.0 MARKING AND CERTIFICATION

The Dirt Dragon model has been examined in accordance to EEC directive 89/392 and subsequent modifications.

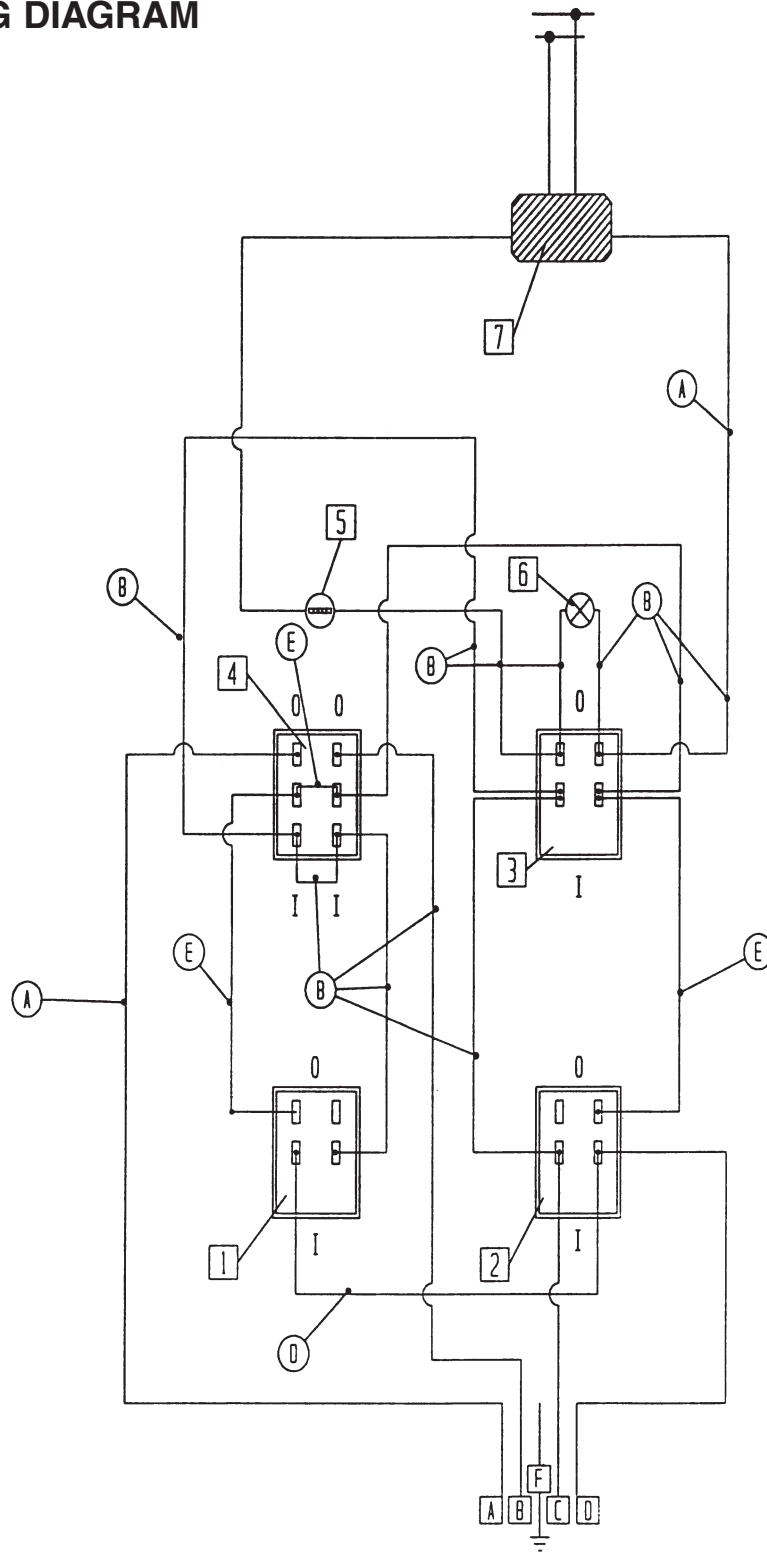
The suitability is certified by the serial number label found on the machine, which bears the CE mark, and by the declaration of conformity which accompanies the following booklet.

19.0 DISPOSAL OF THE MACHINE

Being an assembly of various parts, we recommend you to dismantle the machine and separate the resulting materials in accordance to the laws in force.

DO NOT USE SCRAPS AS SPARES. KEEP THEM OUT OF THE REACH OF CHILDREN.

20.0 WIRING DIAGRAM

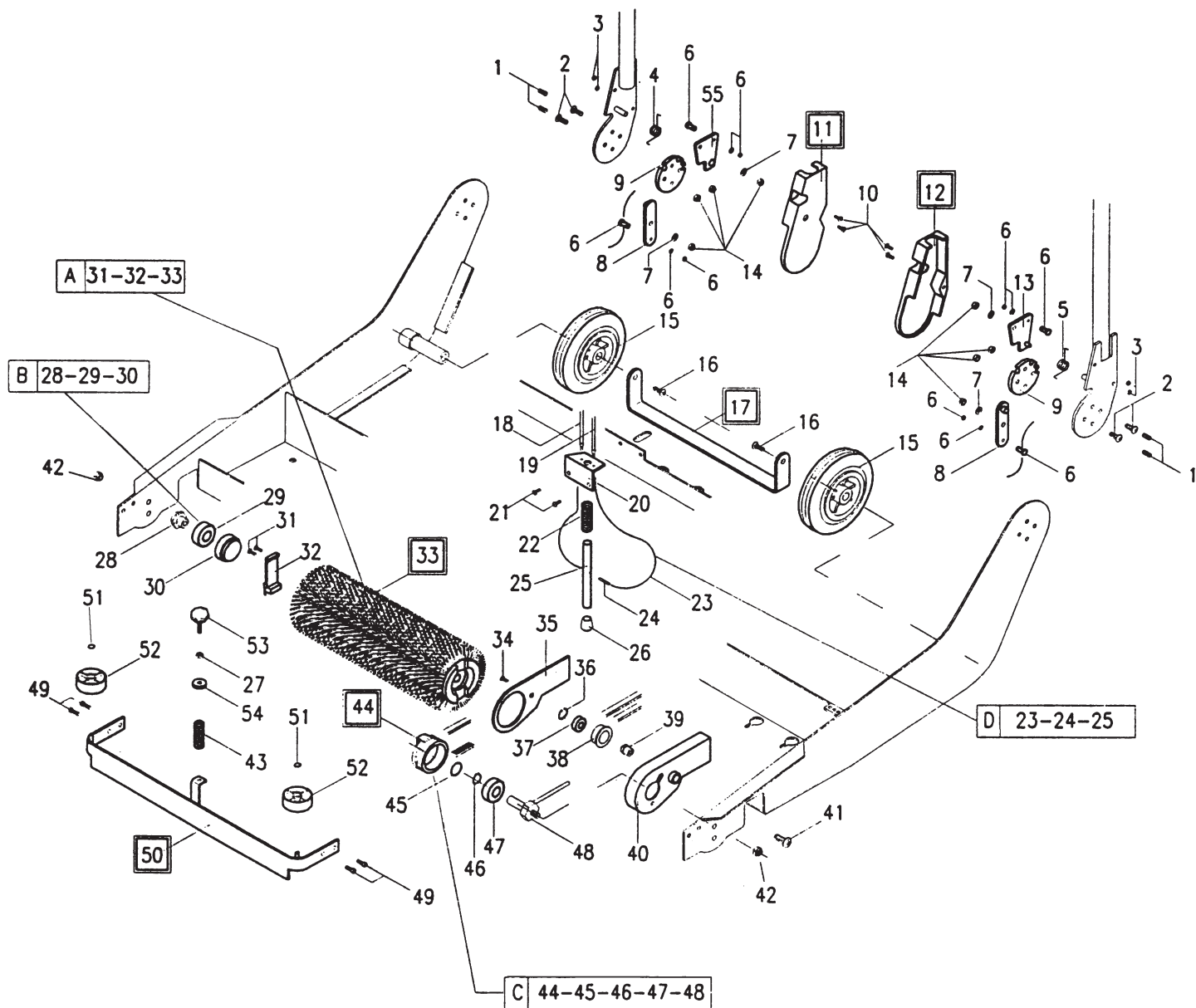


A: BROWN
 B: BLACK
 C: LIGHT BLUE
 D: BLUE
 E: RED
 F: GROUNDING

1: Water pump switch
 2: Water pump button
 3: Main switch
 4: Suction/brush switch
 5: Fuse 20A
 6: Main bulb
 7: Filter

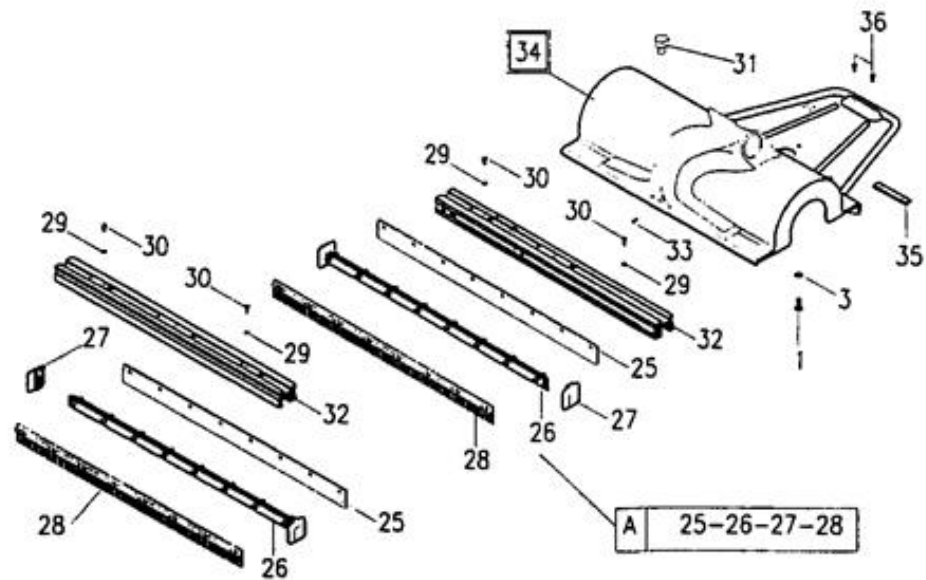
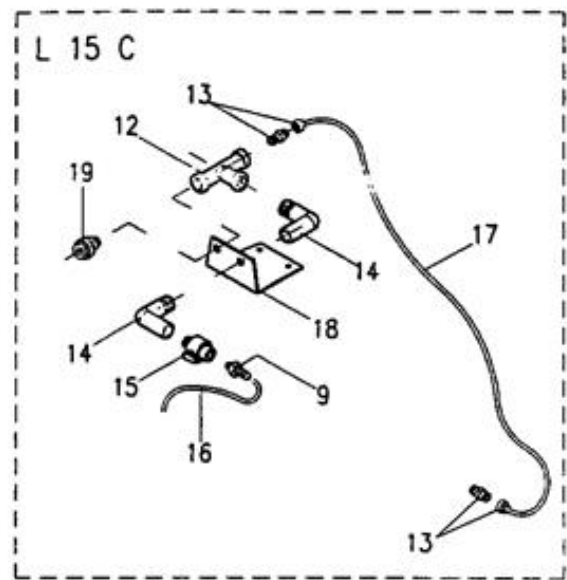
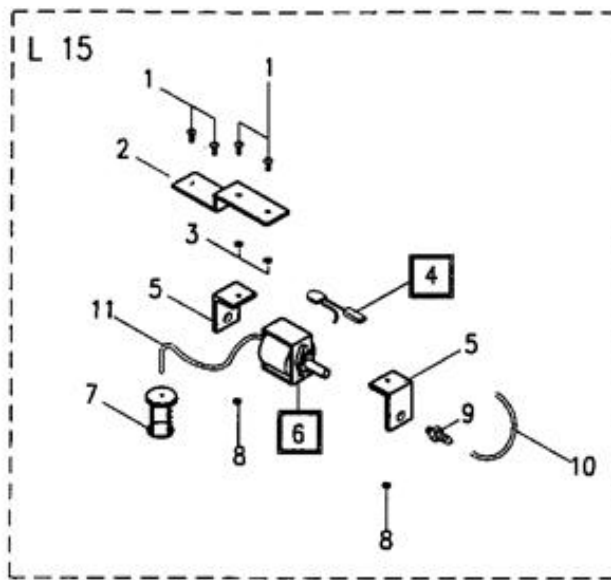
21.0 TROUBLESHOOTING

Trouble	Cause	Remedy
The machine does not turn on.	The ON/OFF switch is broken.	Replace.
	The fuse has blown.	Replace.
	The power cord is unplugged.	Plug in.
The roll brush doesn't work.	The main switch is off.	Turn on main switch.
	There is an electrical or mechanical fault.	Check the motor, condensator, and the drive belt.
The machine does not clean uniformly.	The roll is worn.	Replace.
The floor wiper does not suck up all the dirty liquid.	The edge of the rubber blades in contact with the floor is blunt.	Replace the worn blades.
	The pressure of the floor wiper is not correctly regulated.	Regulate the floor wiper.
	There is obstruction or damage to the floor wiper or the connection.	Remove obstructions and repair any damage, replacing rubber support.
The floor wiper does not suck up the dirt.	The suction switch is off.	Turn the suction switch on.
	The suction tubes are blocked.	Free the tubes of blocked dirt.
	The suction motor does not work.	Check the electronic connections of the suction motor and if correct replace.
Solution is not coming out.	The pump switch is off.	Turn the pump switch on.
	The solution tank is empty.	Fill the tank.
	Blockage in the filter.	Clean the filter.
	Blockage in the tubes carrying the solution.	Clean the tube.
	The pump thermal switch has tripped.	Allow the pump to cool, turning it off for 15 minutes.
	The pump is damaged.	Repair or replace the pump.

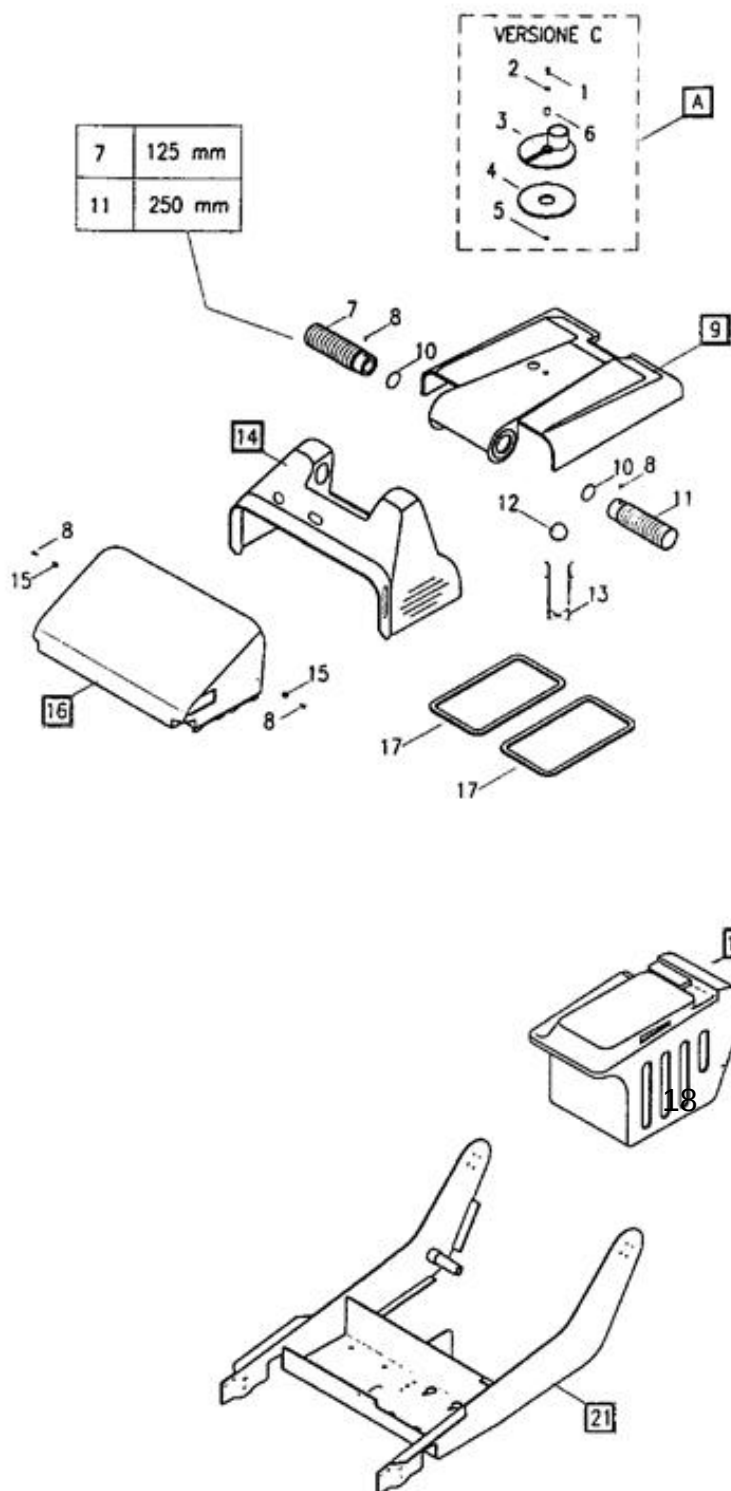


Ref.	SKU	Description	Qty.	Ref.	SKU	Description	Qty.
1	E87765	spring cotter 4x16 DIN	4	31	E89036	Self Tapping Screw GS15	2
2	1105182	Screw, iso 7380 6x22 zb	4	32	E89353	Brush Hooking Lever	1
3	E89348	Nut M4	4	33	23502008	Brush, dia. 100x375 Nylon	1
4	E89394	Spring RH Lever	1		23502008	Brush, dia. 100x375 Natural	
		0			23502008	Brush, dia. 100x375 Tynex	
5	E89395	Spring LH Lever	1		23502008	0	
		0			23502008	Brush, dia. 100x490 Nylon	
6	E87764	Clamp	4		23502008	Brush, dia. 100x490 Natural	
7	1105786	Washer, uni 6592 6x18	4		23502008	Brush, dia. 100x490 Tynex	
8	E89391	Lifting Wheel	2	34	E89410	Screw, TCTC 4X10 INOX	1
9	E89390	Gear Wheel	2	35	E89397	Belt Guard Lock	1
10	1105781	Screw uni 5933 4x12 zb	4	36	E89412	Inner snap ring	1
11	E89148	Casing for RH articulation GS15	1	37	E89413	Bearing, 608 2RS	1
12	E89149	Casing for LH articulation GS15	1	38	E89020	Belt Tightening Roller	1
13	E89392	LH Articulation Lever	1	39	E89414	Pin for tightening roller	1
14	E87762	Nut	8	40	E89021	Belt Guard	1
15	E89054	Wheel Ø 150 - 40 - 70	2	41	E89333	Screw M6 x 10	1
16	1105789	Screw, uni 5387 6x10	2	42	E86853	Self-locking nut M8	2
17	22602016	Rear wheel axle support	1	43	E89022	Compression Spring CO-41	1
18	E89097	Cable sheath GS15	1	44	E89023	Drive Pulley	1
19	21252004	Sheath for the lifting rod cable, lh 172	1	45	E89415	Corteco gasket	1
20	E89099	Lifting bracket GS15	1	46	E89416	Outer Snap Ring Din 471/20	1
21	E89038	Screw, M6 x 16 Pan Head Allen	4	47	E83923	Bearing, 6004 2RS	1
22	E89100	Spring GS15	1	48	E89411	Pulley Pin w/Copper Pipe	1
23	E89421	Cable	1	49	E89024	Screw ISO 7380 5 x 12	4
24	E89422	Spring	1	50	E89017	Bumper L15	1
25	E89423	Machine Lifting Rod	1	51	E89101	Outer snap ring GS15	2
26	E89015	Rubber Cable Cap for 89000	1	52	E89016	Wheel	2
27	E86701	Nut M6	1	53	E89025	Handwheel Ø 25 M16x25	1
28	E89056	Brush Pin	1	54	E86380	Bushing, squeegee adj. spring	1
29	E20340	Bearing, 6002 2RS	1	55	E89393	RH Articulation Lever	1
30	E89058	Brush Bushing	1				

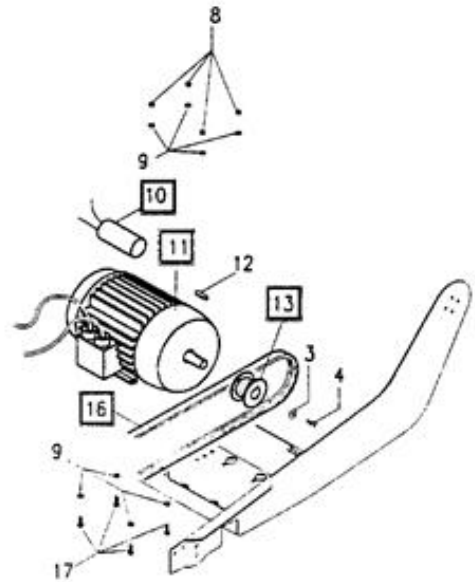
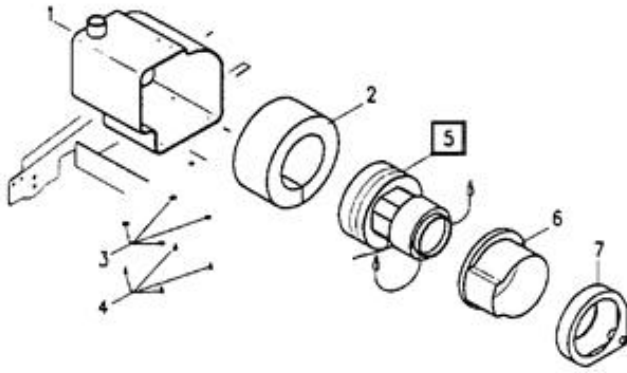
Ref.	SKU	Description
A.	E89026	Brush, Standard 15" Black Nylon
	E89064	Natural Brush
	E89011	Brush, Aggressive Grit 15"
	23102053	Brush, Ø 100x490 Nylon
	23102053	Brush, Ø 100x490 Natural brush
	23102053	Brush, Ø 100x490 Tynex
B.	23102053	Complete brush pin
C.	23102053	Complete driven pulley
D.	23102053	Complete machine lifting rod



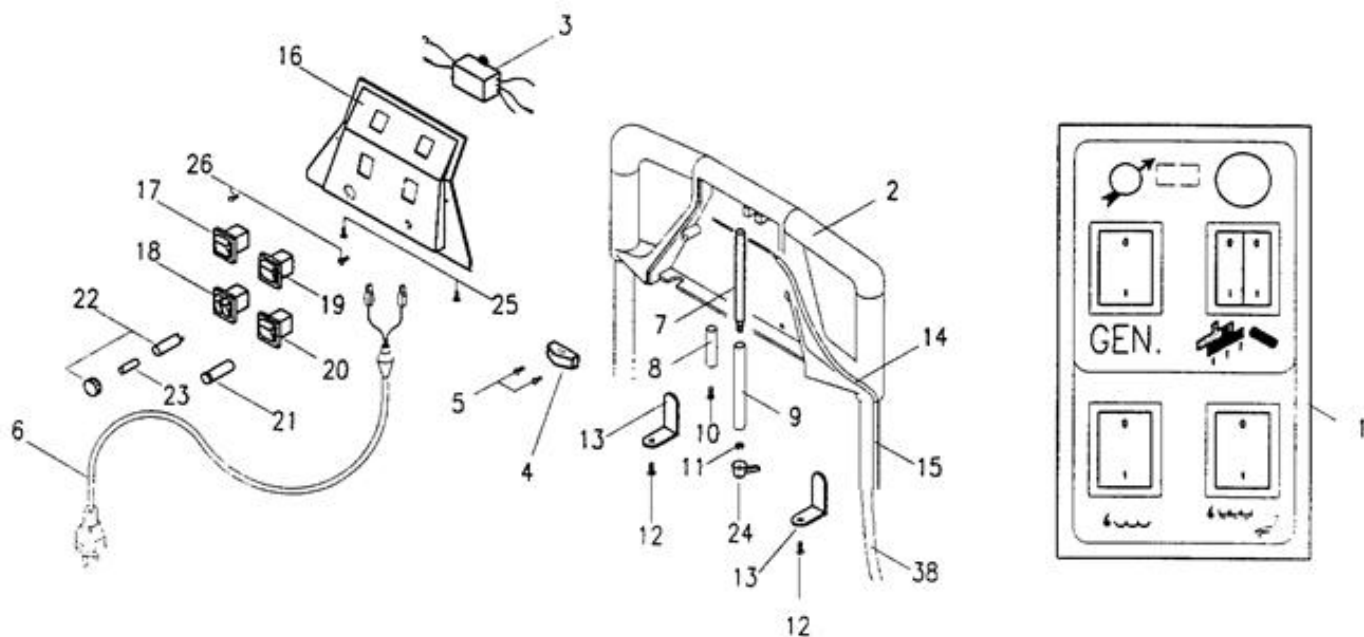
Ref.	SKU	Description	Qty.	Ref.	SKU	Description	Qty.
1	E86903	AS30/36 Screw M.4-16	9	20	1255028	1/8" 6x8 union elbow	1
2	E89288	Pump support bracket	1	21	1255034	1/4" 6x8 union elbow	1
3	1108807	Washer, uni 6593 4x16	11	22	25002023	Supplementary pipe	1
4	E89417	Thermal Protection	1	23	25002022	Water pipe for brush	1
5	E89289	Pump vibration support	2	25	E89018	Blade, Squeegee Outer	2
6	E89012	Solution Pump for GS15	1	26	E89031	Blade Support GS15	2
7	E89028	Solution filter GS15	1	27	E89032	Squeegee Cap GS15	2
8	E89348	Nut M4	2	28	E89019	Blade, Squeegee Inner	2
9	E85587	Fitting 1/8" x 1/4 hose barb	1	29	E89083	Washer	9
10	25002032	Supplementary pipe	1	30	E89033	Screw 3.5 x 19	4
11	E89069	Solution Tube	1	31	E86399	squeegee adjust spring guide GS15	1
12	1255010	1/8" FFF union tee	1	32	E89034	Squeegee Pad Support GS15	2
13	1255009	Straight male pipe fitting, 8x6 1/8"	2	33	1105500	Screw, uni 5931 5x12	1
14	1255007	1/8" MF union elbow	2	34	E87797	Suction chute GS15	1
15	1320088	Mini 1/8" ball valve	1	35	E89134	Fixing bracket GS15	1
16	25002009	Water pipe for brush	1	36	E89024	Screw ISO 7380 5 x 12	2
17	E89135	Supplement pipe	1				
18	22602012	Accessory support bracket	1	A.	23102023	Complete KIT squeegee	
19	1255025N	1/8" small coupling	1				



REF	SKU	Description	Qty.
1	1105802	Screw, TCTC 4x30 INOX	1
2	E89083	Washer	1
3	21202039	Suction accessory connection	1
4	21602009	Gasket for accessory connection	1
5	1105806	M4 split threaded rivet	1
6	21102023	Bushing	1
7	E89050	Flex Pipe 120mm	1
8	E89038	Screw, M6 x 16 Pan Head Allen	4
9	E89065	Complete Cover, Red	1
10	E89048	O-Ring	2
11	E89049	Flex Pipe 250mm	1
12	E89068	Ball for float	1
13	E89067	Cage for float	1
14	E89492	Bonnet for GS-15, Red	1
15	E89038	Screw, M6 x 16 Pan Head Allen	2
16	E89066	Front cover (red)	1
16A	E87915	Front cover (gray)	
17	E89059	Mousse Kit for Tank	1
18	E89037	Complete Recycling Tank	1
19	E89014	Grout Machine Solution Tank	1
20	#N/A	Accessory; tank	1
21	#N/A	Frame	1



Ref.	SKU	Description	Qty.
1	E89055	Suction Box	1
2	E89062	Deadening Gasket	1
3	E87874	Washer for BPS28	5
4	E86903	AS30/36 Screw M.4-16	4
5	E89360	Grout Machine Vac Motor	1
6	E89446	Motor Guard	1
7	E87769	Motor Cooling Manifold	1
8	E86701	Nut M6	4
9	E87763	Washer	8
10	E89192	Capacitor 16pF GS15	1
11	E89052	Brush Motor 110 V	1
12	1105465	Key, uni 6604 5x5x10	1
13	E86392	Drive pulley	1
14	E86339	Screw, TE 8x30	4
15	E89219	Washer	8
16	E89039	Polybelt GS15	1
17	1105779	Screw, uni 5739 6x25	4
18	E89024	Screw ISO 7380 5 x 12	2
19	21202138	Cooling air conveyor	1
22	E86338	Screw, 5x16 INOX	4
23	21202137	Suction compartment cover	1
24	E86853	Self-locking nut M8	4



Ref.	SKU	Description	Qty.	Ref	SKU	Description	Qty.
1	169112008	Dashboard label	1	15	21252006	Sheath for the left handle cable	1
2	E89514	Handle for GS15	1	16	E89224	Dashboard	1
3	13802015	Filter	1	17	E89043	Bipolar Switch w/Orange Light	1
4	13802008	Core hitch, PA 238 RO	1	18	E89044	Bipolar Switch w/Double Red/Green Light	1
5	1105805	Screw, 3.5 x 14.5	2	19	E89013	Bipolar Switch for 89000	1
6	E89041	Power Cord GS15	1	20	E89045	Switch, Master Bipolar	1
7	E87918	Release pin	1	21	E89046	Bulb Cover w/Bulb	1
8	E87919	Handle release lever bushing	1	22	E89351	Fuse Carrier L15 6 x 32	1
9	21252005	Sheath for the release pin	1	23	E89519	Fuse 20 AMP for GS15	1
10	E89042	Self tapping screw, uni 6954 3.9x32	1	24	E87920	Handle release lever	1
11	E86701	Nut M6	2	25	E89071	Self Tapping Screw GS15	2
12	E89038	Screw, M6 x 16 Pan Head Allen	4	26	E89072	Screw, M4x45 GS15	2
13	22602015	Cable fixing bracket	2				
14	E89472	Handle Release Cable	1				

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)

