

SQUARE SCRUB

OWNER'S MANUAL

SQUARE SCRUB SURFACE PREPARATION MACHINES

Doodle
SCRUB
BY SQUARE SCRUB

Doodle
MOP
BY SQUARE SCRUB

Doodle
SCRUB +
BY SQUARE SCRUB

Doodle
MOP +
BY SQUARE SCRUB



www.squarescrub.com / 800-557-6822

Please read all installation, operation, & safety instructions before using this machine.

*****This product is for industrial/institutional/commercial use only*****

WARNING OF POTENTIAL INJURY MOVING PARTS UNPLUG BEFORE SERVICING!

General Safety

- This floor-finishing machine shall be grounded while in use to protect the operator from electric shock. The machine is provided with a three-conductor cord, and a three-contact grounding type attachment plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect this wire to anything other than the grounding pin of the attachment plug.
- This machine is for use on a nominal 120-volt circuit and has a grounding plug that resembles the plug in figure 1. Make sure that the machine is connected to an outlet having the same configuration as the plug. See figure 1 on page 2.
- No adapter should be used with this machine.

The Following instructions are for the Battery-Operated unit.

"WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury."

"AVERTISSEMENT: Lire toutes les mises en garde et toutes les instructions. Le non-respect des mises en garde et des instructions peut causer des chocs électriques, des incendies et/ou des blessures graves."

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. "Recharger uniquement avec le chargeur prescrit par le fabricant. Un chargeur convenant à un type de batterie peut présenter un risque d'incendie lorsqu'il est utilisé avec une autre batterie."

The Following instructions are for the Battery-Operated unit.

- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns. "En condition d'usage abusif, du liquide peut s'échapper de la batterie ; éviter tout contact avec ce liquide. En cas de contact accidentel, rincer abondamment avec de l'eau. En cas de contact avec les yeux, consulter également un médecin. Le liquide projeté peut causer des irritations ou des brûlures."
- Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion. The temperature of 130°C can be replaced by the temperature of 265°F.
- Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire. Respecter toutes les instructions de chargement et ne pas charger la batterie ou l'appareil à des températures qui ne sont pas incluses dans la gamme de températures indiquées dans la notice d'instructions. Un chargement mal effectué."
- Do not modify or attempt to repair the appliance or the battery pack (as applicable) except as indicated in the instructions for use and care. When the floor scrubber is provided with a rechargeable battery pack, it is intended to be used with Charger marked with Square scrub model number 051145. Placed on the front of the charger.

The charger employs double insulation in lieu of grounding.

In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated machine, nor should a means for grounding be added to the machine. Servicing a double-insulated machine requires extreme care and knowledge of the system, and should be performed only by qualified service personnel. Replacement parts for a double-insulated machine must be identical to the parts they replace. Always replace a damaged cord. A double-insulated product is marked with the words "DOUBLE INSULATION" or "DOUBLE INSULATED."

The symbol (square within a square) may also be marked on the charger body.

Maintenance Schedule

Prior to using (daily)

- Check AC power cord. Do NOT operate equipment if AC power cord is cut, frayed, or if ground is missing.
- Check grip face and driver pad. Inspect for wear/debris.

After use (daily)

- Clean pad and base plate assembly. Remove or replace pad as needed.
- Inspect grip face for wear. Remove debris between grip face and base plate.
- Wipe entire unit with a damp microfiber cloth.
- Make certain a pad is placed on the grip face.

Weekly Preventative Maintenance

- Check grip face for wear.
- Use a vacuum to clean away debris build-up around base plate.

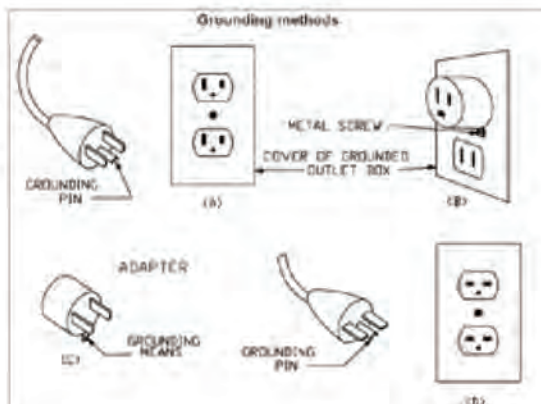
Annually

- Replace ALL isolators.
- Bearing assembly should be replaced as needed.*

*The bearing assembly is considered to be a wear item. We recommend that the bearing assembly be replaced as needed. Unit will become noisy when bearing needs to be replaced.

****NOTE:** Be sure to replace isolators when you replace the bearing.

***figure 1



Manual Conventions

Danger: Indicates an imminently hazardous situation which, if not avoided, may result in death or serious injury.

Caution: Indicates that machine or property damage could result if instructions are not followed.

Note: Provides helpful information. *Severe bodily injury or death can occur to you or other personnel if warnings found on this machine or in this owner's manual are ignored. Read and observe all statements and instructions found on the machine and in the owner's manual.*

Who to call for assistance?

If you work with a Square Scrub authorized dealer, contact them for assistance. If any contents of the box are missing, contact your Square Scrub authorized dealer. If you purchased your machine directly from Square Scrub, contact Square Scrub at 800.557.6822 for service in the United States and Canada. For worldwide service, call Square Scrub directly at 870.930.9898. Before calling, make sure you have the machine serial number, located on the machine handle. On battery units, the base and handle have different serial numbers.

Liability Statement

This Square Scrub product has been built to the highest industry standards. Please note and heed the WARNING and caution labels that have been placed on the equipment and in this manual for your safety. PLEASE DO NOT ATTEMPT TO OPERATE OR REPAIR THIS EQUIPMENT WITHOUT ADEQUATE TRAINING . ANY USE, OPERATION OR REPAIR IN CONTRAVENTION OF THIS DOCUMENT IS AT YOUR OWN RISK. BY ACCEPTANCE OF THIS SYSTEM YOU HEREBY ASSUME ALL LIABILITY CONSEQUENT TO YOUR USE OR MISUSE OF THIS EQUIPMENT. SQUARE SCRUB SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGE OF ANY KIND.

Equipment specifications, applications and options are subject to change at the sole discretion of Square Scrub without notice.

Safety

All Square Scrub products are built to strict safety and reliability specifications in accordance with industry standards. Therefore, safety issues pertaining to operation and repair of Square Scrub equipment are primarily environmental and human interface. The following basic safety tips are given to ensure safe installation, operation and maintenance of Square Scrub machines.

Important

- Caution- This machine is intended for indoor use only.
- Caution- This machine is to be stored indoors only.
- Never leave the machine unattended while the power cord or battery is connected.
- Do not operate this machine while under the influence of alcohol or other drugs.



PPE Equipment

- Never allow children under age 18 to operate this machine.
- Unplug machine from power source before changing pad.
- Always wear personal protective equipment (PPE) when operating this machine.
- Never inhale dust created by the use of this machine. Any modifications to this machine may result in damage to the machine or injury to the operator or others nearby. Alterations to the machine will also void any and all warranty and liabilities.
- Sanding wood decks is not recommended by Square Scrub due to uneven surfaces which could lead to damage to the machine. Some pressure treated wood found in decking contains arsenic that, when sanded, will create hazardous dust. Square Scrub assumes no liability if the machine is used on decks, and damage caused from sanding pressure treated wood will not be warranted.
- Do not operate this machine around fuels, solvents, flammable floor finishes, thinners, wood particulate or any flammable materials. Cigarette lighters, pilot lights, electrical sparks and all other sources of ignition should be extinguished or avoided. Work areas should be well ventilated.
- Keep the power cord clear of the pad. Always lift the cord over the machine. Do not pull on the power cord in an attempt to move the machine. This could result in electrocution. Operating this machine with a damaged power cord could lead to electrocution or fire. Cord should remain clear of moving parts during operation. Never use the cord to navigate the machine. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Servicing this machine while still connected to a power source could lead to electrocution or fire. Before performing machine service or maintenance, disconnect the machine from the power source.
- Do not use machine if it has been sprayed with water or left out in the rain. This could result in a shock injury or electrocution.
- Keep feet, hands, and loose clothing away from any moving parts on the machine to avoid injury. Disconnect power cord before changing the pad or when servicing. Damage can occur to the machine or to other property if instructions in the owner's manual are not followed.
- This appliance is not intended for use by persons (including children) 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.

Warning: This appliance is not suitable for picking up hazardous dust.

Transport of Machine

To transport this machine, the following procedure is advised:

- Unplug machine from power source.
- Always leave a pad on the machine to protect the grip face from damage in transport and storage.
- Secure machine when transporting in a vehicle to prevent movement.
- **NEVER PICK THE DOODLE SCRUB OR DOODLE MOP UP BY THE HANDLE ALONE!**
- Always pick the Doodle Scrub or Doodle Mop up with one hand on the handle and the other hand picking up the base. Failure to do so could result in damage to the machine.

Operating Instructions

1. Move machine to work location. Never operate, transport, or store the machine without a pad to protect the grip face.
2. Affix the handle clip onto either of the base clips.
3. Ensure that the motor plug and handle plug are fully seated before operating.
4. Connect the battery for battery powered models, or plug machine into grounded power outlet.
5. Hold the machine handle with one hand while gently pressing the switch on the top of the handle with the other hand.
6. Begin moving the machine over the floor in either a mop-like motion or along edges.

Airborne Noise and Vibration Emissions

<u>Sound Power Level</u>	<u>Vibration Total at Base</u>
120V: Under 57dBA	120V: Avg. 6.5 mm /s ² , max at 6.9 mm /s ²
240V: Under 57dBA	240V: Avg. 5.8 mm /s ² , max at 6.0 mm /s ²
42Vdc: Under 57dBA	42Vdc: Avg. 6.5 mm /s ² , max at 6.9 mm /s ²

Plugging in the Charger



Troubleshooting Corded Units

Problem	Cause	Action
Machine will not start	Not connected to power source. Voltage too low. Defective switch.	Check power source connection and lighted. Have electrician check outlet. Contact Square Scrub dealer
Runs erratically	Low voltage from excessive length or undersized extension cord. Defective start switch. Defective motor low voltage.	Use 10 gauge extension cord, not more than 25' long. Contact Square Scrub dealer. Contact Square Scrub dealer.
Fuse/Circuit Breaker Trips	Low voltage. Low input volts.	Allow the motor to cool. Eliminate extension cord. Locate power cord closer to work site. Have voltage checked by electrician.
Machine pulls hard to one side Note: The rubber isolators on the EBG are considered wear items. It is recommended to replace the entire set of all four isolators once per year (or sooner under heavy use) to prevent failure and damage to the machine.	Worn Pad. Rubber isolators are worn out.	Rotate pad 180 degrees. Flip pad over. Replace pad. Replace isolators.
Machine is noticeably louder than it was when originally purchased	Rubber isolators worn.	Replace isolators

Troubleshooting Battery Units

Problem	Cause	Action
Unit will not run	Dead battery Battery not connected	Charge battery Connect battery to motor

Doodle Scrub & Doodle Mop 1 Year Limited Warranty on parts and 90 days Limited Warranty on Labor

General

This Square Scrub EBG-9 Doodle Scrub Floor Preparation Machine is warranted to be free from defects in materials and workmanship under normal use and service for a period of one year on machine handle and base when operated and maintained in accordance with Square Scrub Maintenance and Operating Instructions. The warranty will commence on the purchase date by the original end user from an authorized Square Scrub dealer and is subject to proof of purchase. If proof of purchase cannot be provided, the warranty shall begin from the date of shipment to an authorized Square Scrub dealer. Parts replaced or repaired under warranty are guaranteed for the remainder of the original warranty period. The warranty period is subject to the conditions stated below.

The battery and charger are warranted for 1 year to the original purchaser to be free from defects in material and workmanship. This guarantee does not cover damage due to abuse, normal wear, improper maintenance, neglect, unauthorized repair/alteration.

Labor to repair the unit is also included for the first 90 days from date of original purchase. Unit must be returned to Square Scrub for all repairs other than the handle switch. End user must ship the unit to Square Scrub at their expense. Unit will be repaired or replaced and returned to the end user or the authorized Square Scrub dealer by normal ground shipping method at Square Scrub's expense. Square Scrub is not responsible for lost time involved in the repair time.

Disqualifications

This warranty shall not apply to repairs resulting from accidents or misuse, damage in transit, overloading the capacity of the machine, or damage resulting from lack of proper maintenance or care as described in the Maintenance Schedule and General Operating Instructions listed in the Owner's Manual. Minor adjustments, not related to the replacement of parts, are not covered. Repairs or alterations made by an organization other than the factory or an Authorized Service Center are not covered and will void warranty as it relates to the parts or systems repaired or altered by the non-authorized organization.

Product Exceptions, Exclusions, & Wear Items

- | | |
|--|---|
| • Machine Cord | • Cushion hand grip |
| • Blue Driver Pad (shipped with machine) | • Rubber Isolators |
| • Grip face | • Eccentric Assembly (includes bearing) |

If a difficulty develops with the product, contact your local Square Scrub dealer or call Square Scrub at 800.557.6822. Only Square Scrub can authorize repairs under warranty. Square Scrub may elect to require the return of components to validate a claim. Any defective part to be returned must be shipped freight prepaid to an authorized Square Scrub Dealer/Service Center or to the Square Scrub factory. Travel time and mileage is not covered on any repairs.

Square Scrub's liability under this warranty is limited to repair of the product and/or replacement of parts and is given to purchaser in lieu of all other remedies, including INCIDENTAL AND CONSEQUENTIAL DAMAGES. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SPECIFIED HEREIN. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. NO WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY, SHALL BE IMPLIED.

Please register your machine on our website within thirty (30) days of purchase to assist Square Scrub in providing the performance you expect from your new floor machine.

Repairs after the first 90 days of the warranty period but still during the first 12 months will be done for \$69 to cover labor and Square Scrub will prepay the shipping to return the Doodle Scrub if it is an under warranty repair.

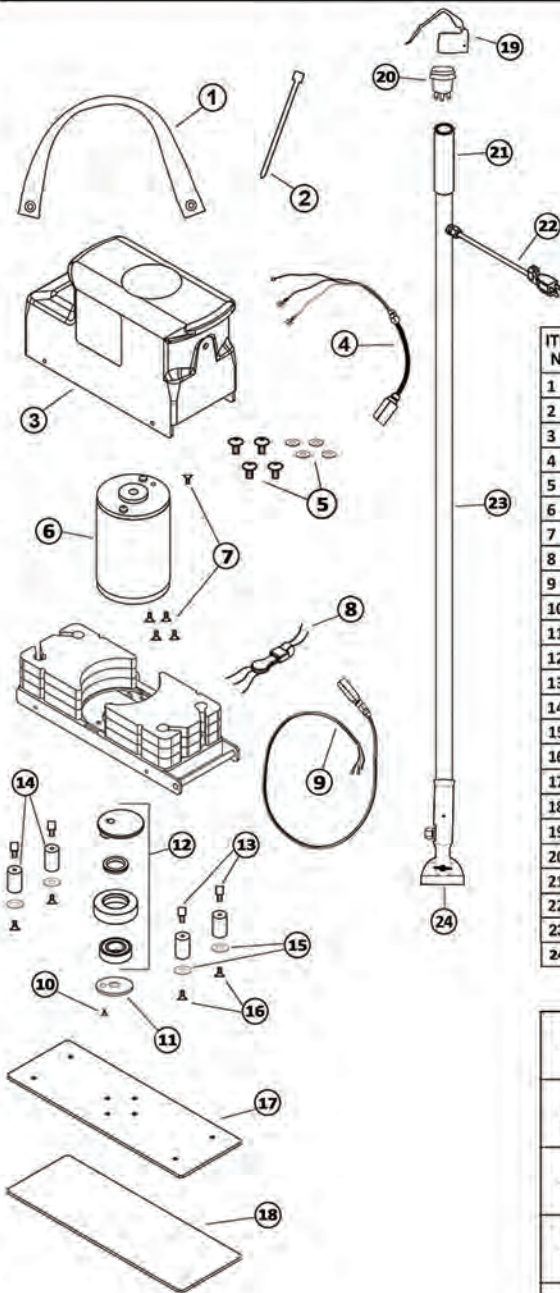
Repairs after the first 12 months will be done for \$69 flat fee plus the cost of parts and shipping.

Machine Serial # _____

Date of Purchase: _____

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Doodle Scrub Parts Breakdown



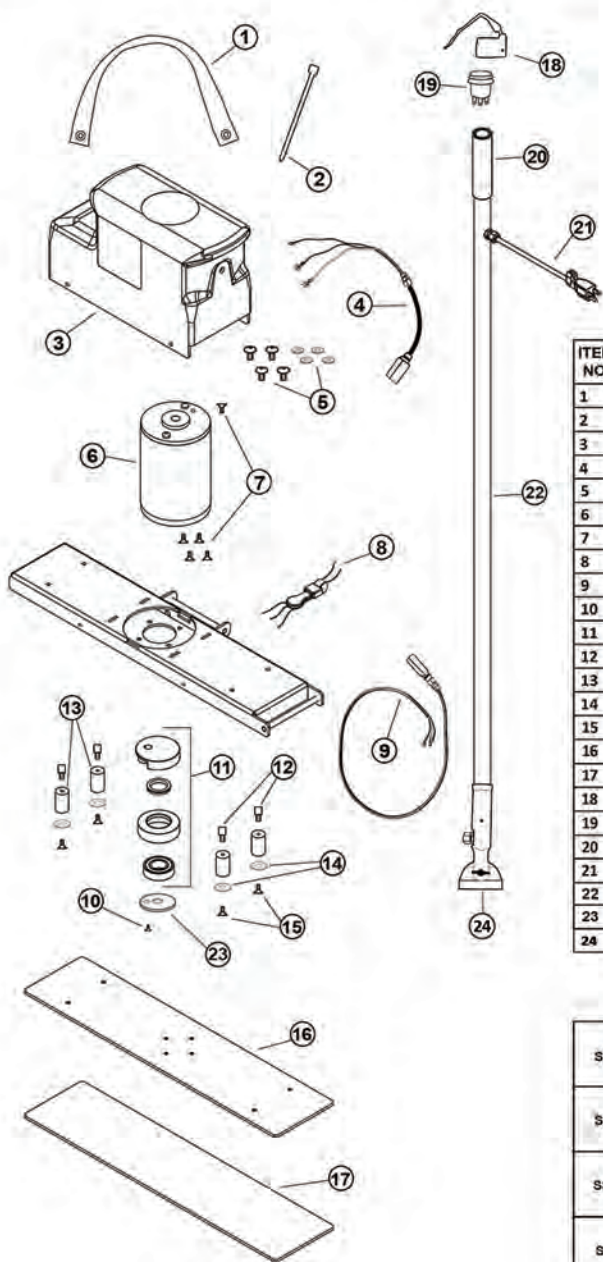
PARTS

ITEM NO.	PART NO.	PART DESCRIPTION
1	SS 051190	CARRY STRAP
2	N/A	ZIP TIE
3	SS 051161	DOODLE COVER
4	SS 051158	MOTOR CORD
5	INCLUDED IN KIT	COVER SCREW (4) / WASHERS (4)
6	INCLUDED IN KIT	MOTOR
7	INCLUDED IN KIT	MOTOR BOLT (5)
8	SS 051170	PTC/VARISTOR HARNESS
9	SS 051154	HANDLE CORD
10	INCLUDED IN KIT	MOTOR SHAFT BOLT
11	INCLUDED IN KIT	CRUSH WASHER
12	SS 051163	ECCENTRIC ASSEMBLY
13	INCLUDED IN KIT	TOP ISOLATOR BOLT
14	INCLUDED IN KIT	ISOLATOR (4)
15	INCLUDED IN KIT	ISOLATOR SPACER (4)
16	INCLUDED IN KIT	BOTTOM ISOLATOR BOLT (4)
17	SS 051134	BASE PLATE
18	SS 051103V	GRIP FACE
19	SS 051180	TRIGGER
20	SS 051104	EBG-9 SWITCH
21	SS 01012Z	HANDLE GRIP
22	SS 051156	POWER CORD
23	INCLUDED IN KIT	HANDLE
24	SS 051152	BASE CLIP

KITS

SS 051166	EBG-9 COVER REPLACEMENT KIT (Includes: 1, 2, 3, 4, 5)
SS 051106	MOTOR REPLACEMENT KIT (Includes: 6, 7, 10)
SS 051116	BASE PLATE KIT (Includes: 5, 10, 11, 12, 13, 14, 15, 16, 17, 18)
SS 051157	HANDLE CONVERSION KIT (Includes: 5, 3, 4, 8, 9, 22, 23)
SS 051101	ISOLATOR REPAIR KIT (Includes: 5, 10, 13, 14, 15, 18)

Doodle Mop Parts Breakdown



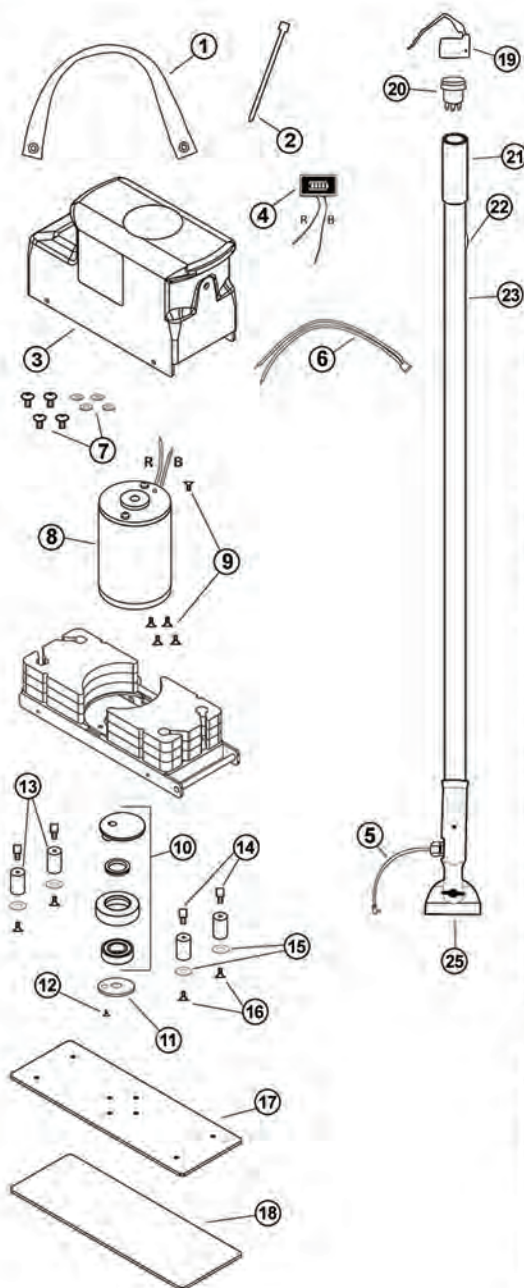
PARTS

ITEM NO.	PART NO.	PART DESCRIPTION
1	SS 100090	CARRY STRAP
2	N/A	ZIP TIE
3	SS 051661	DOODLE COVER
4	SS 051158	MOTOR CORD
5	INCLUDED IN KIT	COVER SCREW (4) / WASHERS (4)
6	INCLUDED IN KIT	MOTOR
7	INCLUDED IN KIT	MOTOR BOLT (6)
8	SS 061170	PTC/VARISTOR HARNESS
9	SS 051154	HANDLE CORD
10	INCLUDED IN KIT	MOTOR SHAFT BOLT
11	INCLUDED IN KIT	ECCENTRIC ASSEMBLY
12	INCLUDED IN KIT	TOP ISOLATOR BOLT
13	INCLUDED IN KIT	ISOLATOR (4)
14	INCLUDED IN KIT	ISOLATOR SPACER (4)
15	INCLUDED IN KIT	BOTTOM ISOLATOR BOLT (4)
16	SS 051634	BASE PLATE
17	SS 051603V	GRIP FACE
18	SS 051180	TRIGGER
19	SS 051104	EBG-9 SWITCH
20	SS 0101Z	HANDLE GRIP
21	SS 051156	POWER CORD
22	INCLUDED IN KIT	HANDLE
23	INCLUDED IN KIT	CRUSH WASHER
24	SS 051152	BASE CLIP

KITS

SS 051666	EBG-16 COVER REPLACEMENT KIT (includes: 3, 4, 5)
SS 051106	MOTOR REPLACEMENT KIT (includes: 6, 7, 8, 9, 10)
SS 051615	BASE PLATE KIT (includes: 5, 10, 11, 12, 13, 14, 15, 16, 17, 23)
SS 051601	ISOLATOR REPAIR KIT (includes: 6, 10, 12, 13, 14, 15, 17)

Battery Doodle Scrub Parts Breakdown



PARTS

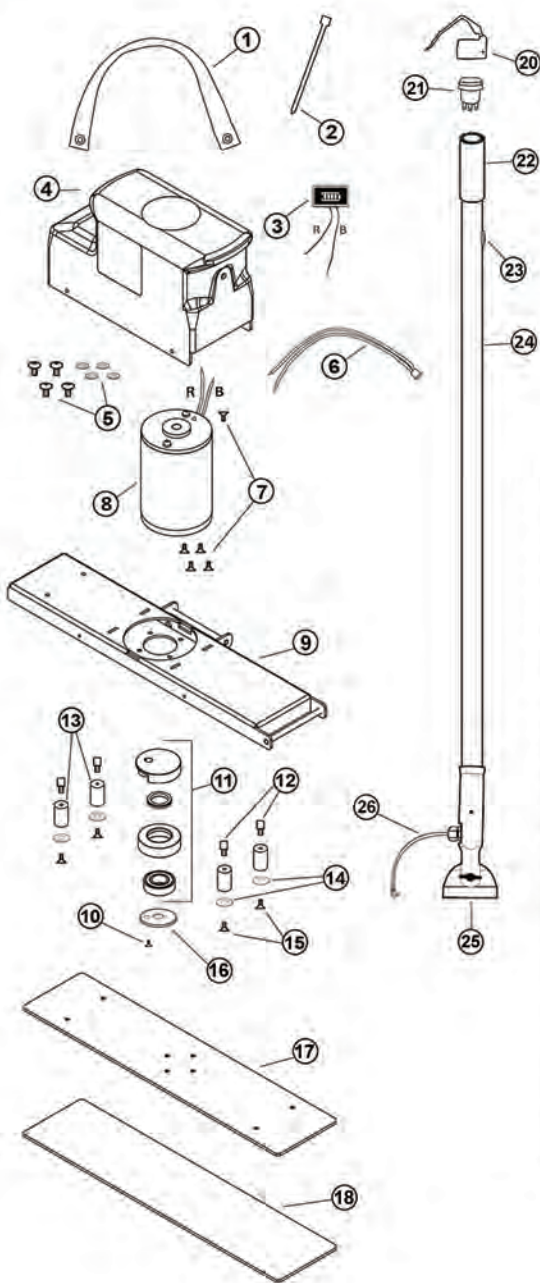
ITEM NO.	PART NO.	PART DESCRIPTION
1	SS 100090	CARRY STRAP
2	N/A	ZIP TIE
3	SS 051161	DOODLE COVER
4	SS 051168	BATTERY METER
5	SS 051142	BATTSCRUB CHARGING PORT KIT
6	SS 051144	BASE FEM WIRE KIT
7	INCLUDED IN KIT	COVER SCREW (4) / WASHERS (4)
8	INCLUDED IN KIT	MOTOR
9	INCLUDED IN KIT	MOTOR BOLT (6)
10	SS 051163	ECCENTRIC ASSEMBLY
11	INCLUDED IN KIT	CRUSH WASHER
12	INCLUDED IN KIT	MOTOR SHAFT BOLT
13	INCLUDED IN KIT	ISOLATOR (4)
14	INCLUDED IN KIT	TOP ISOLATOR BOLT
15	INCLUDED IN KIT	ISOLATOR SPACER (4)
16	INCLUDED IN KIT	BOTTOM ISOLATOR BOLT (4)
17	SS 051134	BASE PLATE
18	SS 051103V	GRIP FACE
19	SS 051180	TRIGGER
20	SS 051104	EBG-9 SWITCH
21	SS 0101Z	HANDLE GRIP
22	SS 051143	CHARGING PORT
23	SS 051140	BATTERY PACK / HANDLE
24	SS 051145-PLUS	CHARGER
25	SS 051152	BASE CLIP

KITS

SS 051166BAT	BATTERY POWERED EBG-9 COVER REPLACEMENT KIT (includes: 1, 2, 3, 4, 5, 6, 7)
SS 051106BAT	MOTOR REPLACEMENT KIT (includes: 8, 9, 12)
SS 051115	BASE PLATE KIT (includes: 7, 10, 11, 12, 13, 14, 15, 16, 17, 18)
SS 051101	ISOLATOR REPAIR KIT (includes: 7, 12, 13, 14, 15, 16, 18)

Battery Doodle Mop

Parts Breakdown



PARTS

ITEM NO.	PART NO.	PART DESCRIPTION
1	SS 100090	CARRY STRAP
2	N/A	ZIP TIE
3	SS 051168	BATTERY METER
4	SS 051661	DOODLE COVER
5	INCLUDED IN KIT	COVER SCREW (4) / WASHERS (4)
6	SS 051144	BASE FEM WIRE KIT
7	INCLUDED IN KIT	MOTOR BOLT (5)
8	INCLUDED IN KIT	MOTOR
9	N/A	BASE
10	INCLUDED IN KIT	MOTOR SHAFT BOLT
11	INCLUDED IN KIT	ECCENTRIC ASSEMBLY
12	INCLUDED IN KIT	TOP ISOLATOR BOLT
13	INCLUDED IN KIT	ISOLATOR (4)
14	INCLUDED IN KIT	ISOLATOR SPACER (4)
15	INCLUDED IN KIT	BOTTOM ISOLATOR BOLT (4)
16	INCLUDED IN KIT	CRUSH WASHER
17	SS 051634	BASE PLATE
18	SS 051603V	GRIP FACE
19	SS 051145-PLUS	CHARGER
20	SS 051180	TRIGGER
21	SS 051104	EBG-9 SWITCH
22	SS 01012	HANDLE GRIP
23	SS 051143	CHARGING PORT
24	SS 051140	BATTERY PACK / HANDLE
25	SS 051152	BASE CLIP
26	SS 051142	MALE WIRE KIT
27	SS 051153	3 WIRE CONNECTOR(2)

SQUARE SCRUB

SQUARE SCRUB SURFACE PREPARATION MACHINES



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