

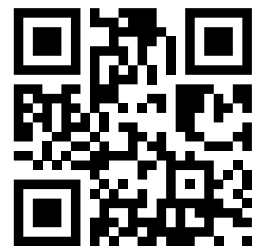


E87030-00 E29935-00
E88062-00



STEALTH™ ASD20B

20" Automatic Scrubber
with Brush Assist



Scan this QR code to view
equipment page

**Operator and Parts
Manual**

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RECEIVING THE MACHINE

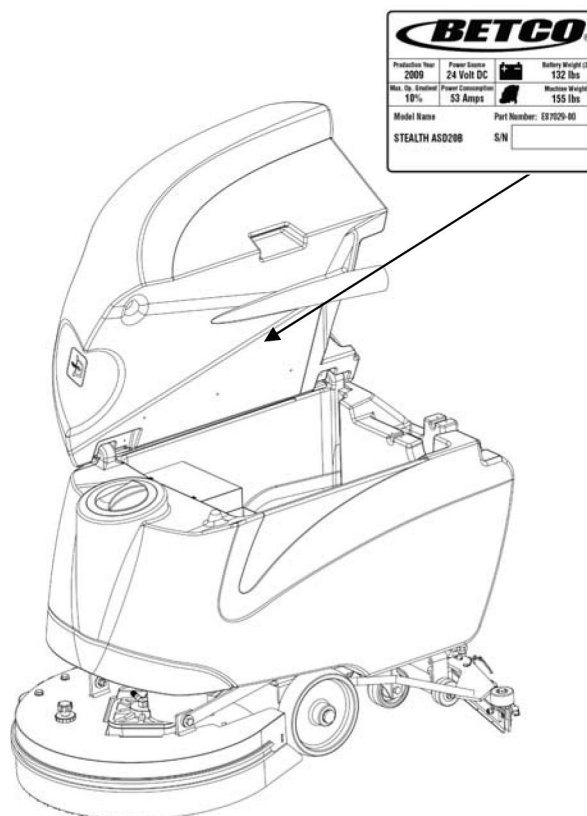
Immediately check, when receiving the machine, that all the materials indicated on delivery documents have been received and also that the machine has not been damaged in transit. If it has been damaged, this damage must be immediately reported to the shipper and also to our customer's service department.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

INTRODUCTION

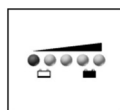
This is an automatic scrubber which, via the mechanical action of the rotating brush and the chemical action of a water/detergent solution, can clean many types of hard flooring. As it advances, it also collects the dirt removed and the detergent solution not absorbed by the floor.

The machine must be used only for this purpose. Even the best machines will only work well if used correctly and kept in good working order. We therefore suggest you read this instruction booklet carefully and re-read it whenever difficulties arise while using the machine. Please contact our technical service department or your dealers if you have any questions about the machine.

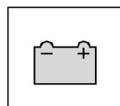
Serial # Plate



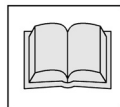
SYMBOLS USED ON THE MACHINE



Battery charge gauge

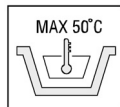


Battery symbol



Open book symbol

Used to tell the operator to read the manual before using the machine



Maximum solution temperature gauge

Located near the solution tank inlet

| TECHNICAL DESCRIPTION | Measurement Unit | Stealth™ ASD20B |
|--|-------------------------|------------------------|
| Rated power | HP (W) | 1.3 (950) |
| Working width | In (mm) | 19.7 (500) |
| Rear squeegee width | In (mm) | 29.2 (742) |
| Work capacity | ft²/h (m²/h) | 18,500 (1720) |
| Water consumption | g/m2 | 38 |
| Brush & Pad (diameter) | in (mm) | 20 (500) |
| Brush RPM | RPM | 140 |
| Brush pressure | Lbs. (Kg) | 51 (23) |
| Brush motor | V / HP (V / W) | 24 / 0.54 (24 / 400) |
| Drive Type | | Semi-Automatic |
| Vacuum motor | V / HP (V / W) | 36 / 0.74 (36 / 550) |
| Vacuum motor suction | water lift (mbar) | 75.6 (188) |
| Solution tank capacity | Gal (l) | 11 (40) |
| Recovery tank capacity | Gal (l) | 13 (50) |
| Weight of machine (excluding batteries) | Lbs. (Kg) | 165 (75) |
| Batteries | V / Ah | 12 / 130 (2) |
| Charger | V / A | 24 / 12 |
| Battery compartment dimensions (Length / Height / Width) | in x in x in | 14.2 x 12.8 x 13.0 |
| | (mm/mm/mm) | (360 /325 /330) |
| Machine dimensions (Length / Height / Width) | in x in x in | 45.3 x 39.4 x 20.9 |
| | (mm/mm/mm) | (1150 / 1000 / 530) |
| Noise level | dBA | 58 |

GENERAL SAFETY REGULATIONS

The regulations below must be carefully followed in order to avoid harm to the operator and damage to the machine.

- Read all labels on the machine carefully. Do not cover them for any reason and replace them immediately if they become damaged.
- The machine must be used exclusively by authorized and trained personnel.
- When operating the machine be careful of other people.
- The machine is not designed for cleaning carpets.
- The power cable outlet must be provided with a proper ground.
- Avoid damaging the power cable of the battery charger by crushing, bending, cutting or stressing it.
- Whenever the power cable of the battery charger is damaged, immediately contact a BETCO service center.
- Do not mix different types of detergent as this may produce harmful gases.
- Do not set containers on the machine.
- Machine storage temperature without fluids is between -10°F and 130°F, never store outside under humid conditions.
- Operating conditions: room temperature between 33°F and 100°F with relative humidity between 30% to 95%.
- Only use the machine in covered areas and do not expose it directly to rain.
- Never use the machine in an explosive environment.
- Do not use the machine as a means of transport.
- Never use acidic chemicals which could damage the machine.
- Avoid running the brushes with the machine stopped; this could damage the floor.
- Never vacuum up flammable liquids.
- Never use the machine to gather dangerous powders.
- Use a powder fire extinguisher in case of fire. Do not use water.
- Do not hit against shelving or scaffolding. The operator must always be equipped with the appropriate safety equipment (gloves, shoes, helmet, glasses, etc.)
- Do not use the machine on surfaces with an inclination greater than the one shown on the serial plate.
- The machine is designed to wash and dry floors simultaneously. Signal the presence of wet floors with suitable signs.
- If the machine does not work properly, perform routine maintenance. Otherwise, request the assistance of the BETCO technical service.
- When replacing parts ask for ORIGINAL spare parts from your Authorized BETCO Dealer and/or Retailer.
- Always turn 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 once a year.
- To prevent the formation of scale in the solution tank filter, do not store the machine with detergent solution in the tanks.
- Before using the machine make sure that all doors and covers are positioned as shown in this operating and maintenance manual.
- When your BETCO machine is ready to be retired, the machine must be disposed of properly. It contains oils and electronic components. The machine was built using totally recyclable materials.
- Use only brushes furnished with the machine or those specified in the user's manual. Use of other brushes can compromise safety.
- When removing the battery, unplug the battery connection, unplug the charger and disconnect the battery terminals.
- Before recycling the machine, remove the batteries.

MACHINE PREPARATION

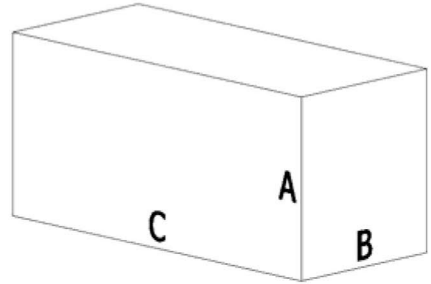
1. HANDLING THE PACKED MACHINE

Do not place more than two packages on top of each other.

The total weight is Lbs. (100 kg).

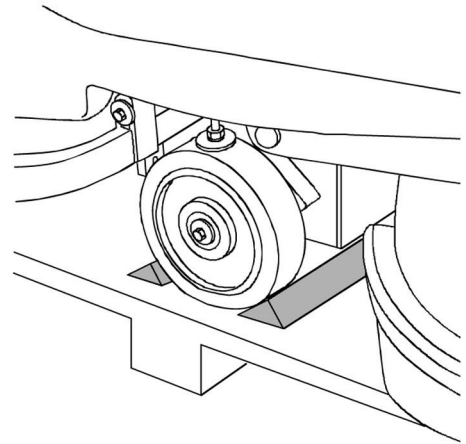
The overall dimensions of the package are:

- A : 45.1 in (1145 mm)
- B : 26.2 in (665 mm)
- C : 48.4 in (1230 mm)

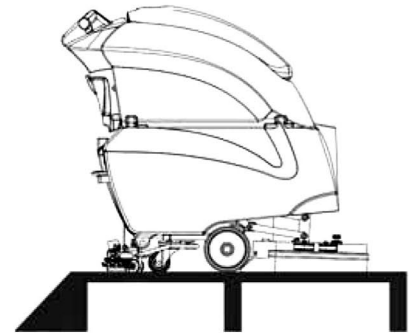


2. HOW TO UNPACK THE MACHINE

- A. Remove the outer packaging.
- B. The machine is placed on the pallet with wedges which block the wheels.
- C. Remove these wedges.



- D. Use a ramp to get the machine down from the pallet, pulling it backwards.
- E. Keep the pallet for any future transport needs.



MACHINE PREPARATION

3. BATTERY INSTALLATION

The machine will be supplied with a battery charger and either two 12V Wet or AGM batteries. The batteries must be housed in the battery tray in the battery compartment beneath the recovery tank.

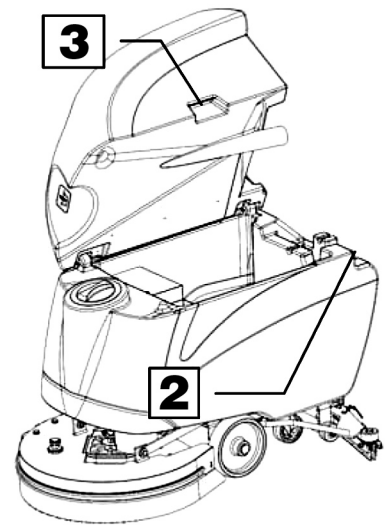
To insert the batteries you must:

- A. Lower the squeegee and brush deck.
- B. Open the rear latch **(2)** that secures the tank.
- C. Rotate the recovery tank as far as it will go, using the side handle **(3)**.



WARNING: To avoid acid spillage you can use sealed batteries.

WARNING: Perform one battery charging cycle before using the machine.



4. TYPE OF BATTERY

To power the machine you can use:

- Wet batteries
- AGM batteries
- Gel batteries

OTHER TYPES MUST NOT BE USED.

The maximum battery dimensions and the weight are:

Width 6.7 in (171 mm)

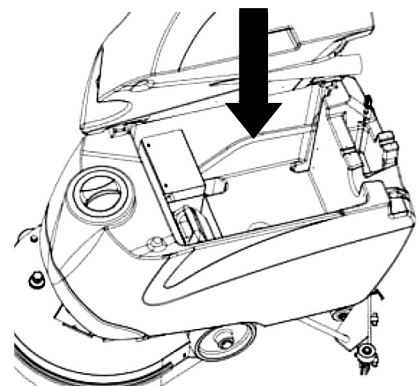
Length 12.9 in (329 mm)

Height 9.6 in (245 mm)

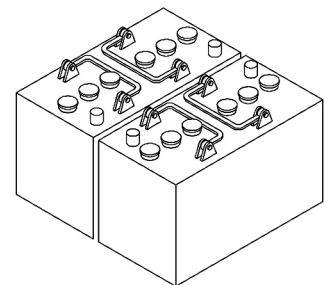
Weight Lbs. (31 kg)



WARNING: Your charger and battery check card must be set according to the type of battery you install. Call BETCO customer service to ensure correct charger setting after replacement batteries are installed.



- The batteries must be handled using lifting and transportation means suitable for the weight and dimensions.
- They must be connected together in series, to obtain an overall voltage of 24V on the lugs.
- The electrical connection operations must be carried out by certified trained personnel.



MACHINE PREPARATION

5. BATTERY MAINTENANCE

For maintenance and recharging, follow the instructions provided by the battery manufacturer.

6. BATTERY DISPOSAL

When the battery reaches the end of its working life, it must be disconnected by a certified professional, then lifted (using the handles and suitable lifting device) to remove it from the battery compartment.

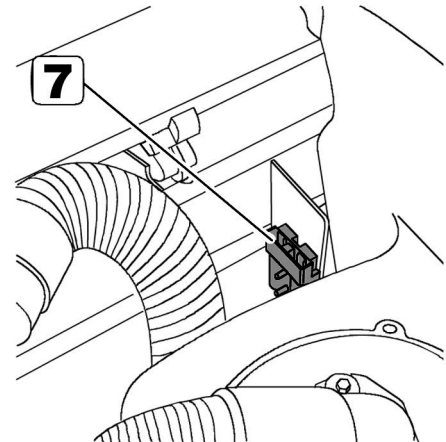
USED BATTERIES ARE CLASSIFIED AS HAZARDOUS WASTE AND MUST BE DISPOSED OF AT AUTHORIZED BATTERY DISPOSAL SITE.

7. CONNECTING THE BATTERY CHARGER

Beneath the recovery tank there is the battery connector (7). The battery charger connector must be plugged into the battery plug.



WARNING: This process must be carried out by qualified personnel. The incorrect connection of the cables to the connector can seriously harm people and damage objects.

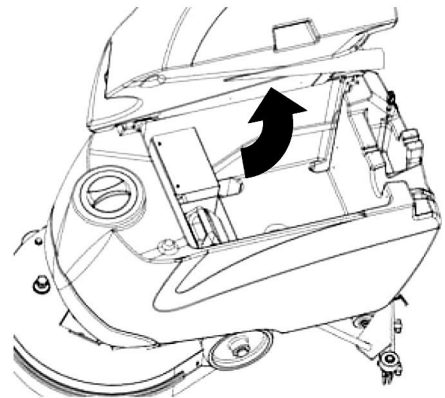


8. RECHARGING THE BATTERIES

Perform one complete battery charge cycle before using the machine. Avoid totally discharging the batteries! This can cause permanent damage. Recharge as soon as the battery discharged signal light starts to flash.



WARNING: Never leave the batteries completely discharged, not even if the machine is not being used. This can cause permanent damage to them. While recharging, keep the recovery tank raised. Ensure the battery charger is suitable for the batteries installed.



Danger of inhalation of gas and leakage of corrosive liquids.

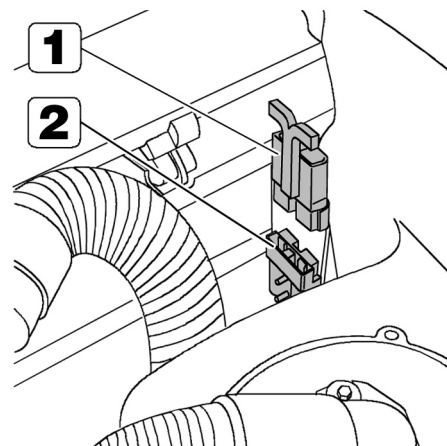


Danger of fire: do not go near flames.

MACHINE PREPARATION

9. CONNECTING THE BATTERY CONNECTOR

Connect the battery connector (2) to the machine connector (1)

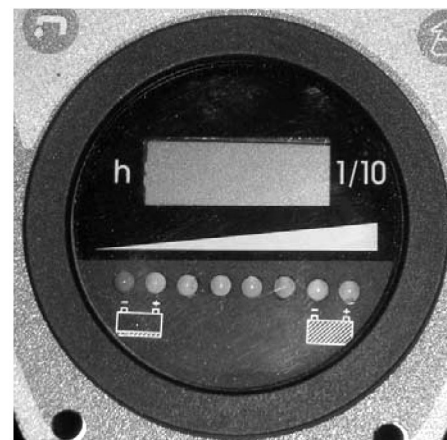


10. BATTERY INDICATOR

The battery indicator uses LEDs and has 8 positions (7 yellow - charged batteries, and 1 red - discharged batteries).



WARNING: A few seconds after the red indicator light comes on, the brush motor switches off automatically. With the remaining charge it is possible to complete the drying process before recharging.

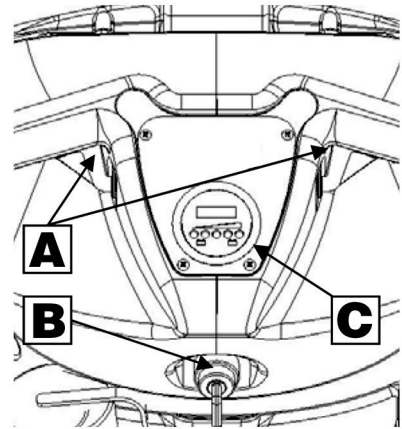


MACHINE PREPARATION

11. INSTRUMENT PANEL COMPONENTS

The instrument panel components are identified as follows:

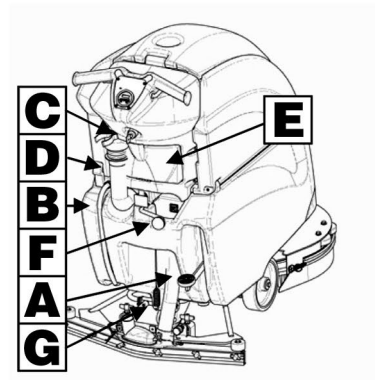
- A. Levers to activate brushes / traction (located beneath the grip)
- B. ON/OFF key switch
- C. Battery level / hour meter



12. REAR COMPONENTS

The rear components are identified as follows:

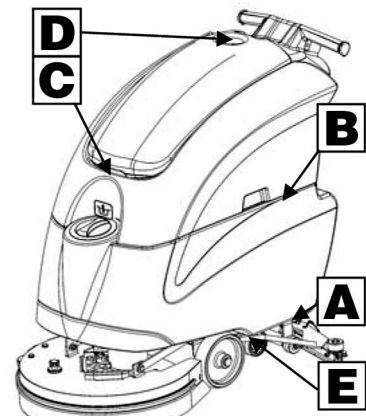
- A. Foot pedal to raise the brush deck
- B. Water / solution level hose
- C. Drain hose with recovery tank cap
- D. Latch to close the tanks
- E. Storage compartment
- F. Lever to raise the squeegee
- G. Solution filter



13. SIDE COMPONENTS

The side components are identified as follows:

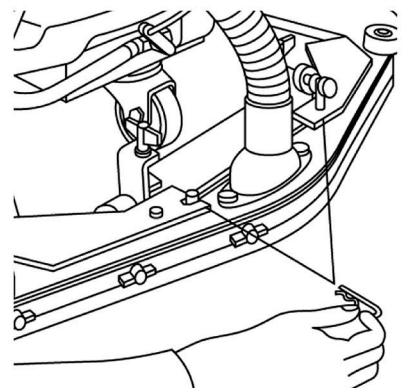
- A. Valve for manual regulation of clean water outlet
- B. Handle to raise the recovery tank
- C. Handle to raise the vacuum unit
- D. Upper storage compartment
- E. Brake lever



14. ASSEMBLING THE SQUEEGEE

For packaging reasons, the squeegee is supplied dismantled from the machine, and must be assembled as follows:

- A. Insert the two small pins of the squeegee in the appropriate holes on the squeegee support;
- B. Insert the two cotter pins chained to the squeegee;
- C. Plug the squeegee hose into the squeegee shoe adaptor.

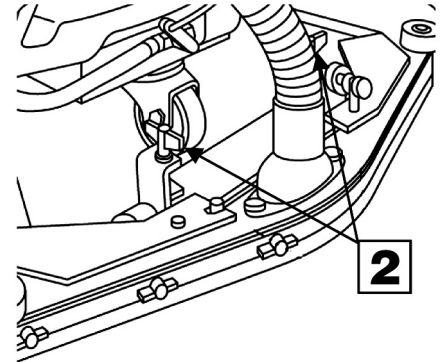


MACHINE PREPARATION

15. ADJUSTING THE SQUEEGEE HEIGHT

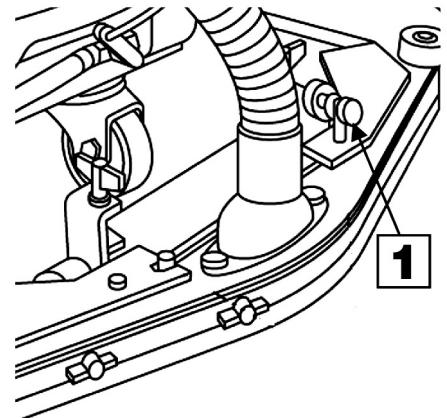
The height of the squeegee must be adjusted based on wear of the squeegee blade. To do this, turn the knobs **(2)** counter clockwise to raise the squeegee, and clockwise to lower it.

Note: *the right and left wheels must be adjusted to the same level, so the squeegee works parallel to the floor.*



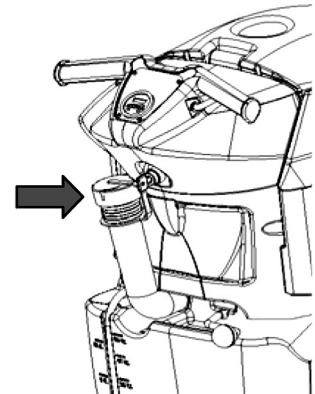
16. ADJUSTING THE SQUEEGEE INCLINATION

During working operation, the rear squeegee blade is slightly bent backwards (by about 0.2 in (5 mm)) in a uniform manner for its entire length. If it is necessary to increase the bend of the squeegee blade in the central region, you must tilt the squeegee backwards, rotating the adjuster **(1)** counter clockwise. To increase the bend of the squeegee blade at the sides of the squeegee, rotate the adjuster clockwise. When fully adjusted, tighten the jam nut.



17. RECOVERY TANK

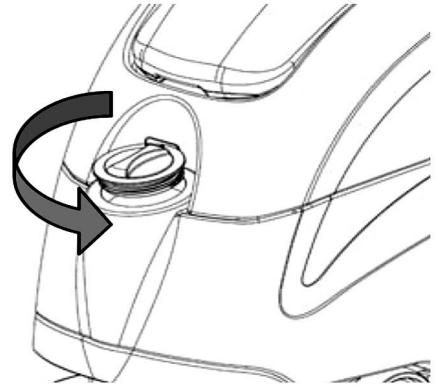
Check the drain hose cap (on the rear of the machine) to ensure it's closed.



MACHINE PREPARATION

18. SOLUTION TANK

Remove the front inlet cap and confirm the solution filter is correctly installed. Confirm the filter cap (beneath the solution tank, at the back) is correctly closed.



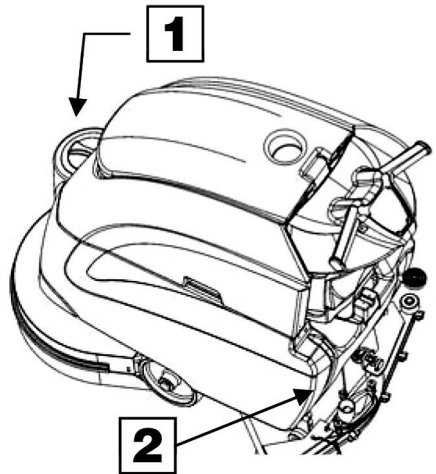
19. SOLUTION TANK

Fill the tank with clean, room temperature water through the front fill location (1). Water temperature not to exceed 120°F (50°C). You can check the level of solution in the tank by reviewing fluid level in the sight tube (2). Add the liquid detergent into the tank, in the concentration and manner specified by the manufacturer. The formation of excess foam could damage the vacuum motor, so be sure to use the correct concentration of detergent.



WARNING: Always use low-foam detergent. Introduce a small amount of defoaming chemical in the recovery tank before starting to work to prevent foam from being generated.

WARNING: Never use acids.



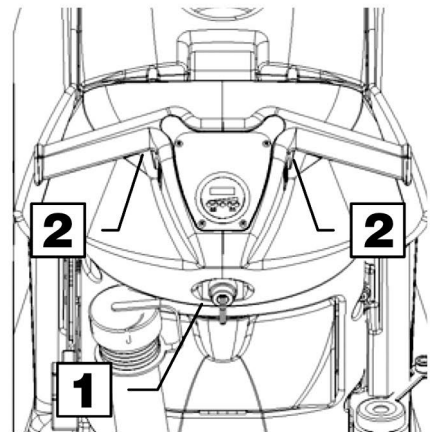
20. MOUNTING THE BRUSH

- A. With the brush deck up, place the brush under the brush deck and position it in line with the clutch plate beneath the brush deck.
- B. Lower the brush deck, turn the key (1) to position "1", pull the levers (2) on the handlebars.

The brush will automatically attach to the drive under the brush deck.



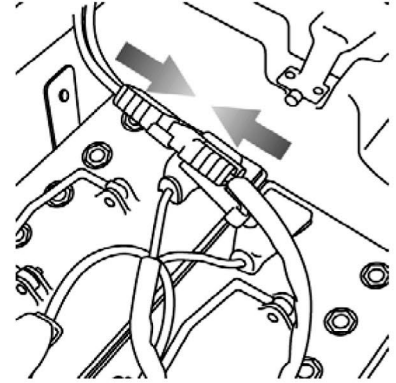
WARNING: Make sure there are no objects or people in the vicinity of the brush when doing this operation.



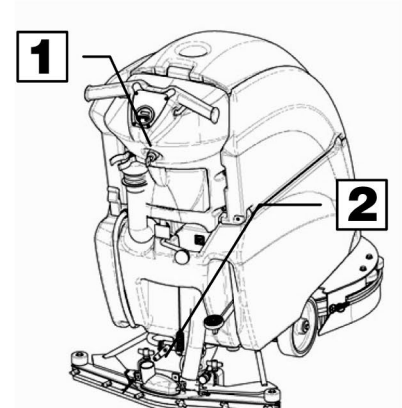
OPERATION

1. MACHINE OPERATION

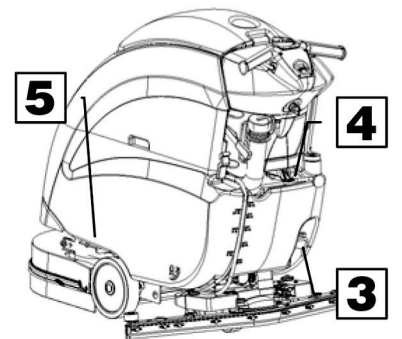
A. Connect the battery plug to the machine plug.



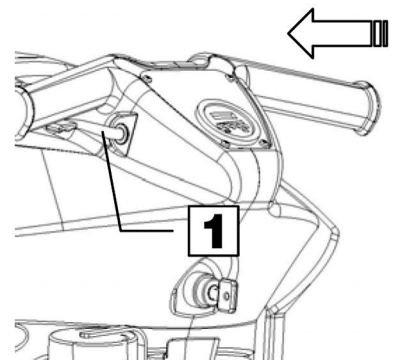
- B. Turn the key **(1)** of the main switch to the "ON" position (clockwise). The battery charge level indicator lights will immediately turn on.
- C. Turn on the water valve **(2)** (the water dispenses automatically when the brush is turning).



- D. Release the lever **(3)** and lower the brush deck.
- E. Lower the squeegee, by rotating the squeegee lift lever **(4)** counter clockwise. The vacuum motor will turn on.
- F. Confirm that the brake **(5)** is released.



- G. Pressing the levers **(1)**, activates the brushes and the machine begins to move itself forward. During the first few feet, adjust the amount of solution dispensed, and confirm that the squeegee dries the floor.
- H. The machine will now start to scrub and dry until the solution tank is empty or recovery tank is full.



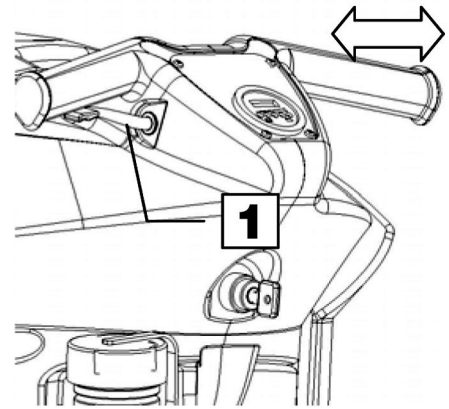
OPERATION

2. FORWARD MOVEMENTS

The traction of these machines is obtained by means of the pad which, working slightly inclined, is able to pull the machine forward. To move the machine, activate the switch levers (1) on the handlebars.



WARNING: When moving in reverse lift the squeegee.

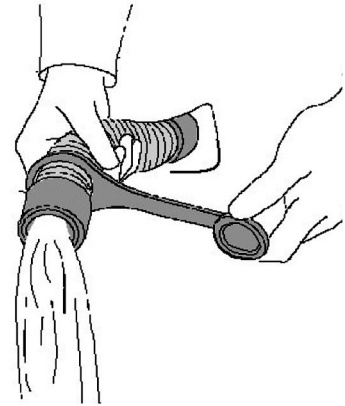


3. OVERFLOW DEVICE

The machine has a shut off float in a filter basket that activates when the recovery tank is full and stops airflow into the vacuum hose. At this point you must empty the recovery tank by removing the cap of the drain hose.



WARNING: Always wear gloves when doing this operation to protect you from contact with hazardous chemicals.



SHUTTING DOWN THE MACHINE

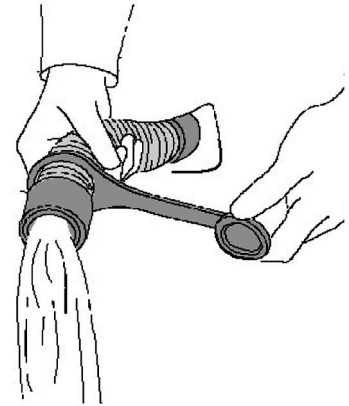
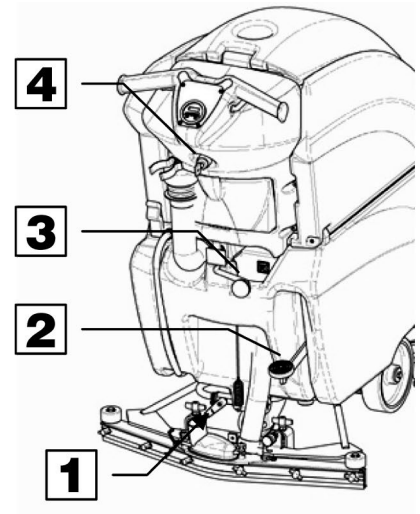
1. AFTER FINISHED CLEANING

Do the following when shutting down the machine and before you perform any type of maintenance:

- A. Turn off the solution valve using the knob **(1)**
 - B. Raise the brush deck using the foot pedal **(2)**
 - C. Raise the squeegee using the squeegee lift lever **(3)**
 - D. Turn off the key switch **(4)**
 - E. Move the machine where the tanks can be drained.
-
- F. Remove the drain hose from its holder, unscrew the drain cap and empty the recovery tank.
 - G. The squeegee must be raised when the machine is not operating, to avoid deforming the squeegee blades.
 - H. Remove the floor scrub pad and clean it with water.



WARNING: Always wear gloves when doing this operation to protect you from contact with hazardous chemicals.



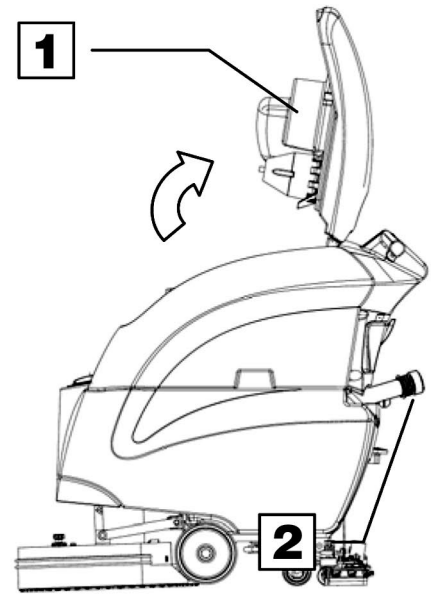
DAILY MAINTENANCE

1. CLEANING THE RECOVERY TANK

- A. Raise the vacuum cover (1).
- B. Remove the drain hose (2) from its holder and empty the tank.
- C. Rinse the inside of the tank with water.
- D. Close the recover tank cover on the machine and replace the drain hose cap and drain hose.



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

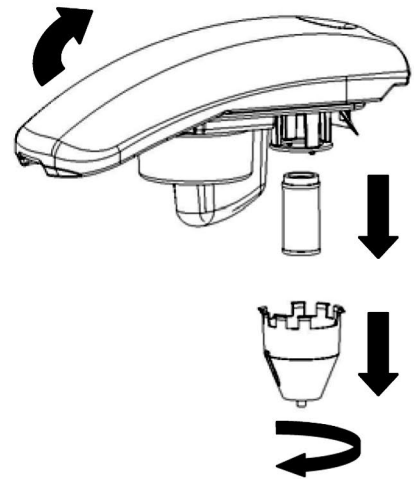


2. CLEANING THE VACUUM FILTER

- A. Raise the recover tank cover.
- B. Remove the vacuum filter cover by rotating it clockwise.
- C. Pull the filter to remove it.
- D. Use water to clean the filter.
- E. Perform the cleaning operations with care.
- F. Reassemble all the components.



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

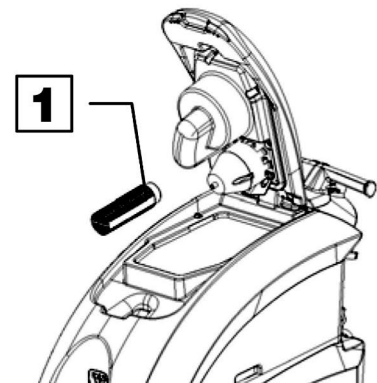


3. CLEANING THE VACUUM HOSE FILTER

- A. Raise the recover tank cover.
- B. Rotate the inner filter (1) and remove it.
- C. Use water to clean the filter.
- D. Perform the cleaning operations with care.
- E. Reassemble all the components.



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



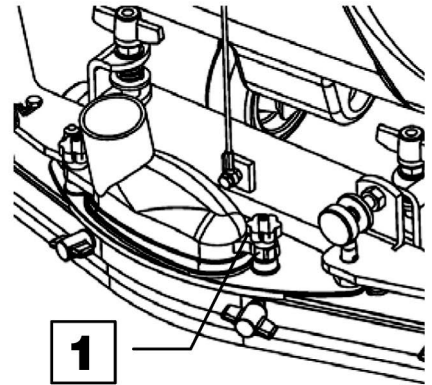
DAILY MAINTENANCE

4. CLEANING THE SQUEEGEE

For the best floor drying performance keep the squeegee clean.

To clean it:

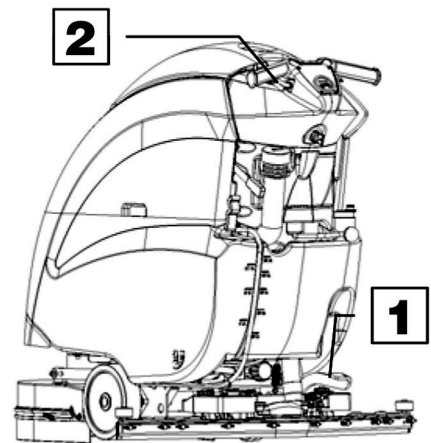
- A. Remove the vacuum hose from the squeegee.
- B. Loosen the knobs (1) that hold the squeegee shoe adapter.
- C. Remove and clean the squeegee shoe adapter.
- D. Carefully clean inside the squeegee.
- E. Carefully clean the squeegee blades.
- F. Reassemble all the squeegee components.



5. REMOVING THE PAD

To remove the pad driver:

- A. Turn on the machine with the key switch.
- B. Press the foot pedal that raises and lowers the brush deck (1), and slightly raise the floor pad off the floor.
- C. Pull the switch levers (2) and quickly release them.
- D. The pad driver will be automatically release from the brush deck.



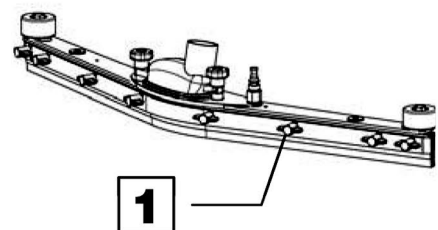
6. REPLACING THE SQUEEGEE BLADES

Check the condition of the squeegee blades and, if necessary, replace them.

To replace them:

- A. Remove the squeegee vacuum hose from the squeegee shoe adapter.
- B. Remove the cotter pins that pass through the mounting pins of the squeegee shoe.
- C. Remove the squeegee shoe from the squeegee yoke.
- D. Loosen the knobs two complete turns (1).
- E. Remove the squeegee band clamp and squeegee blade.
- F. Replace the squeegee blades.

To reassemble the squeegee, repeat the above-mentioned operations in the reverse order.



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

WEEKLY MAINTENANCE

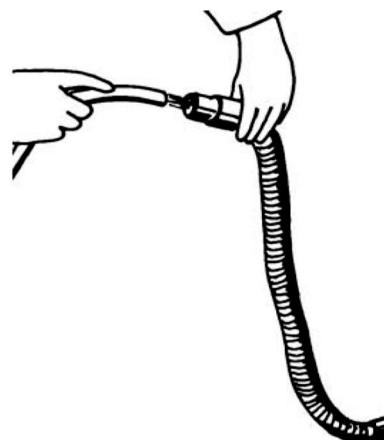
1. CLEANING THE SQUEEGEE HOSE

Every week, or whenever vacuum seems to be unsatisfactory, check the squeegee hose for obstructions. To clean it, proceed as follows:

- A. Remove the hose from the sleeve on the squeegee.
- B. Remove the other end from the recovery tank.
- C. Wash the inside of the hose with water introduced from the side where it is connected to the tank.
- D. Reassemble the hose.

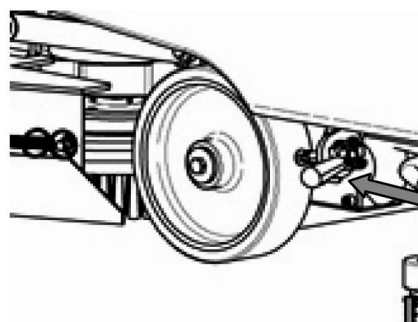


WARNING: Always wear gloves when doing this operation to protect yourself from contact with hazardous chemicals.



2. CHECKING THE BRAKE

Every week, check the distance between the work brake pads and the wheels. If necessary, adjust them by means of the nuts, so they are at a distance of 0.12 in (3 mm) when released.

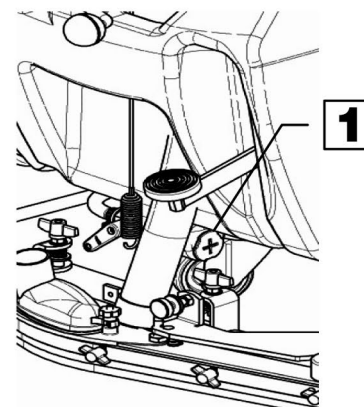


3. CLEANING THE SOLUTION TANK

- A. Loosen the solution tank cap.
- B. Rinse with water.
- C. Loosen the drain cap (1) located on the filter, and empty the tank.



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



TROUBLESHOOTING GUIDE

INSUFFICIENT WATER ON THE PAD

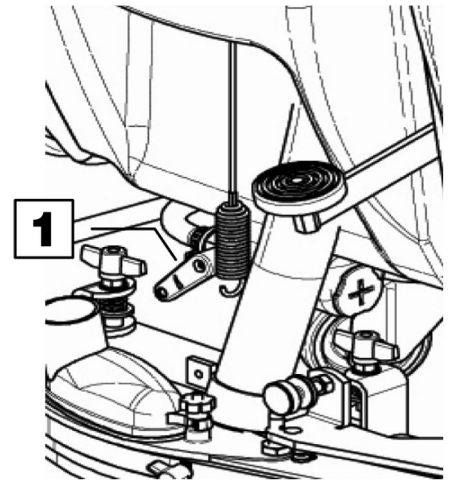
1. Check the valve – located beneath the symbol – (1) is turned on.
2. Confirm that there is water in the solution tank.

THE MACHINE DOES NOT CLEAN WELL

1. Check the condition of the pad and, if necessary, replace it.
2. For cleaning floors where the dirt is particularly resistant, we recommend the use of special brushes supplied upon request and according to needs.

THE SQUEEGEE DOES NOT DRY EFFECTIVELY

1. Confirm that the squeegee blades are clean.
2. Adjust the inclination of the squeegee.
3. Ensure the vacuum hose is correctly inserted in its housing on the recovery tank.
4. Check the inner filter of the recovery tank to ensure it is not dirty and, if necessary, clean it thoroughly.
5. Disassemble the entire vacuum unit and clean it.
6. Replace the squeegee blades, if worn.
7. Ensure the vacuum motor switch is turned on.
8. Check squeegee wheel adjustment.



TOO MUCH FOAM IS GENERATED

Check that low-foam detergent is being used. If necessary add a small amount of defoaming liquid to the recovery tank. Remember that more foam is generated when the floors are not very dirty. Dilute the detergent more when cleaning floors that are not very dirty.

CHOOSING AND USING THE BRUSHES

POLYPROPYLENE BRUSH (PPL)

Used on all types of floors. Good resistance to wear and tear, and hot water (no greater than 140°F (60°C)).

NYLON BRUSH

Used on all types of floors. Excellent resistance to wear and tear and hot water (even over 140°F (60°C)).

ABRASIVE BRUSH

The bristles of this type of brush are coated with highly aggressive abrasives. It is used to clean very dirty floors.

THICKNESS OF THE BRISTLES

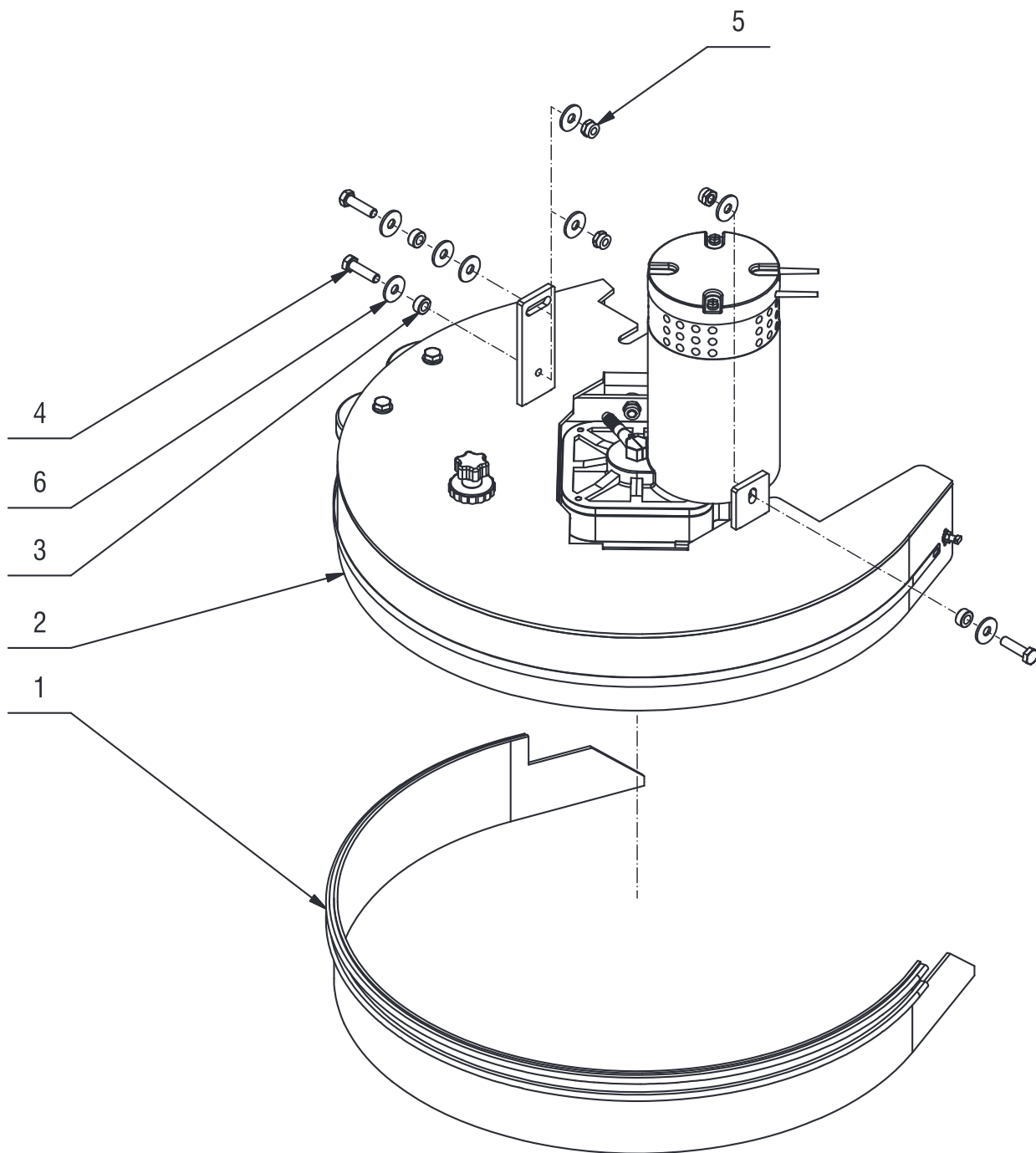
Thicker bristles are more rigid and are therefore used on smooth floors or floors with small joints. On uneven floors or those with deep joints, it is advisable to use softer bristles which can enter the gaps easier. Remember that when the bristles are worn and too short, they will become rigid and are no longer able to penetrate and clean deep down. In this case the brush tends to jump.

PAD DRIVER

The pad holder is recommended for cleaning smooth surfaces. There are two types of pad holder:

1. The traditional pad holder is fitted with a series of anchor points that allow the abrasive floor pad to be held and dragged while working.
2. The CENTER LOCK type pad holder not only has anchor points, but also a snap-type central locking system made of plastic that allows the abrasive floor pad to be perfectly centered and held without any risk of it becoming detached.

BRUSH DECK DIAGRAM - BEFORE SERIAL NUMBER 214999999

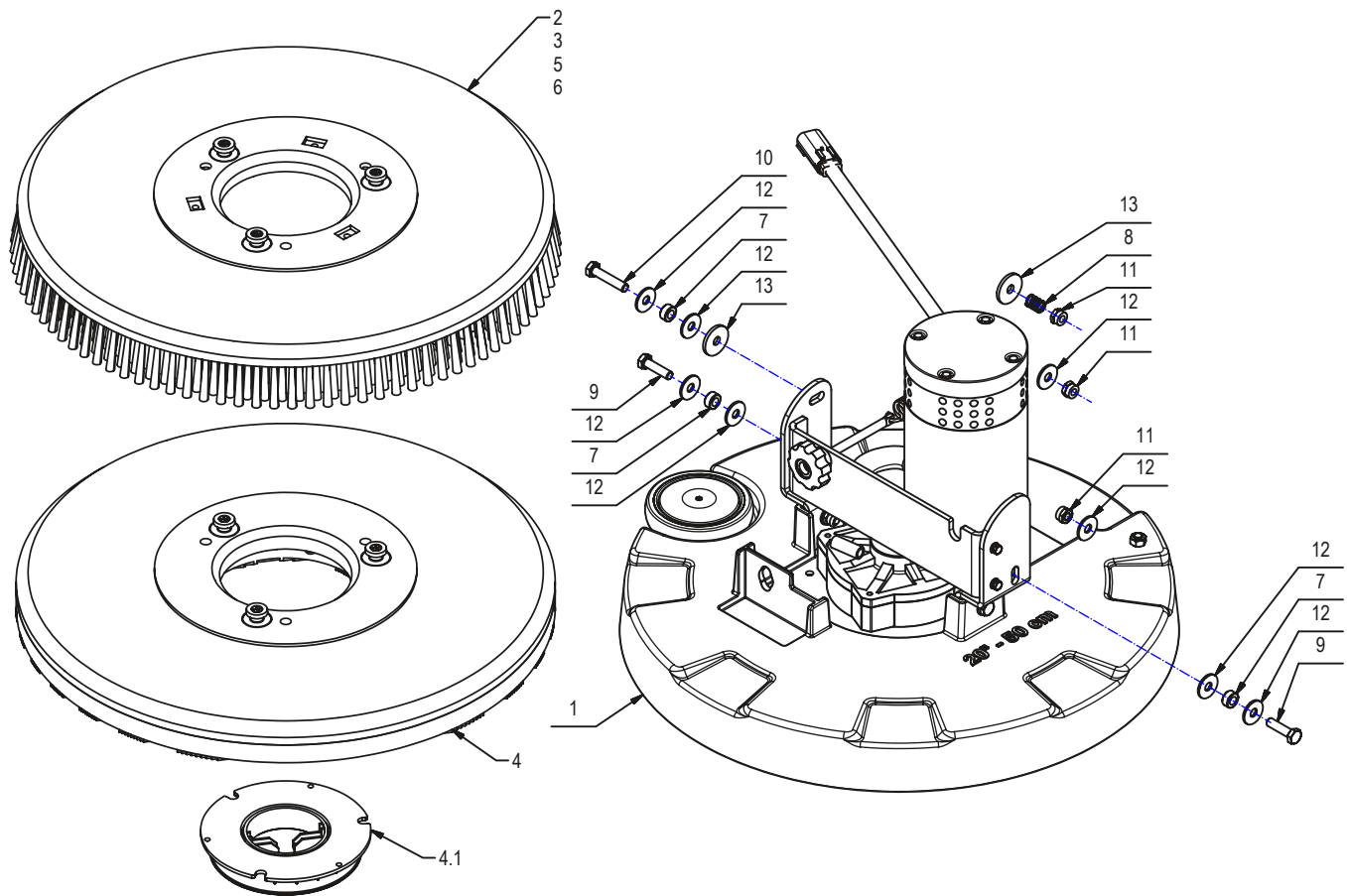


BRUSH DECK PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. |
|-------|--------|-------------------------|------|
| 1 | E88272 | Brush Deck Splash Guard | 1 |
| 2 | E20073 | Brush Deck | 1 |
| 3 | E83970 | Bushing | 3 |

| Item# | Part # | Description | Qty. |
|-------|--------|----------------------------|------|
| 4 | E83802 | Hex Bolt M8x30 Zinc | 3 |
| 5 | E81709 | Nyloc Hex Nut, M8 Zinc | 3 |
| 6 | E83404 | Flat Washer M9x24x2.5 Zinc | 8 |

BRUSH DECK DIAGRAM - AFTER SERIAL NUMBER 215000000

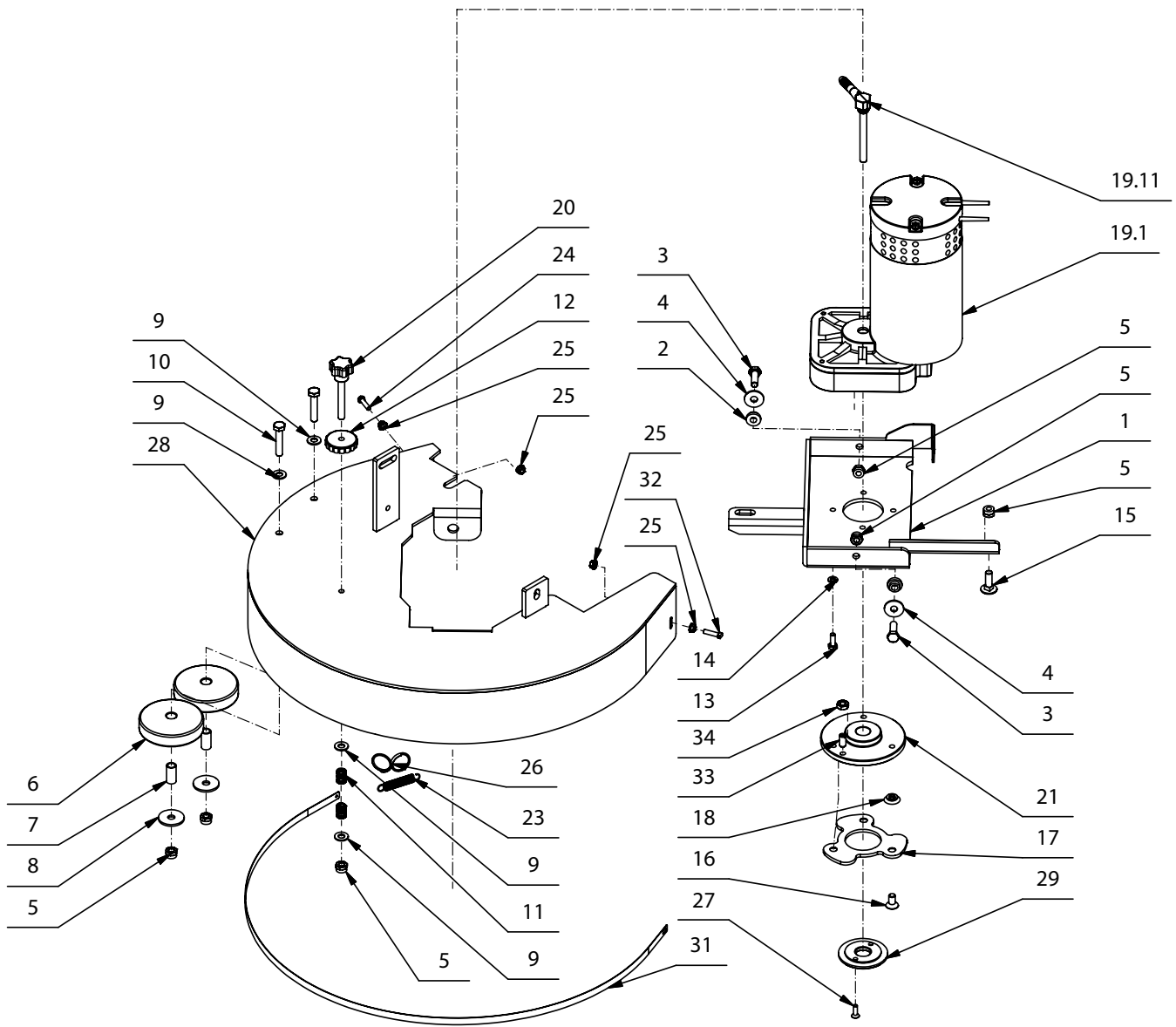


BRUSH DECK PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. |
|-------|--------|----------------------------------|------|
| 1 | E84318 | Brush Deck Housing | 1 |
| 2 | E83035 | Brush, Heavy Duty 20" 0.7mm | 1 |
| 3 | E83033 | Brush, General Purpose 20" 0.3mm | 1 |
| 4 | E82320 | Pad Driver Assembly, 20" | 1 |
| 4.1 | E82367 | Center Lock | 1 |
| 5 | E83034 | Brush, Medium Duty 20" 0.55mm | 1 |
| 6 | E82633 | Brush, Stripping Grit 20" 1.2mm | 1 |

| Item# | Part # | Description | Qty. |
|-------|--------|--|------|
| 7 | E83970 | Bushing | 3 |
| 8 | E82309 | Spring, 11.8x1.2x15mm Zinc Compression | 1 |
| 9 | E83802 | Hex Bolt M8x30 Zinc | 2 |
| 10 | E83830 | Hex Bolt M8x40 Zinc | 1 |
| 11 | E86853 | Nyloc Hex Nut, M8 Zinc | 3 |
| 12 | E83404 | Washer, Flat, M8 x 24 OD, Zinc | 8 |
| 13 | E83832 | Flat Washer M8.5x30x3 Nylon | 2 |

BRUSH DECK DRIVE DIAGRAM - BEFORE SERIAL NUMBER 214999999

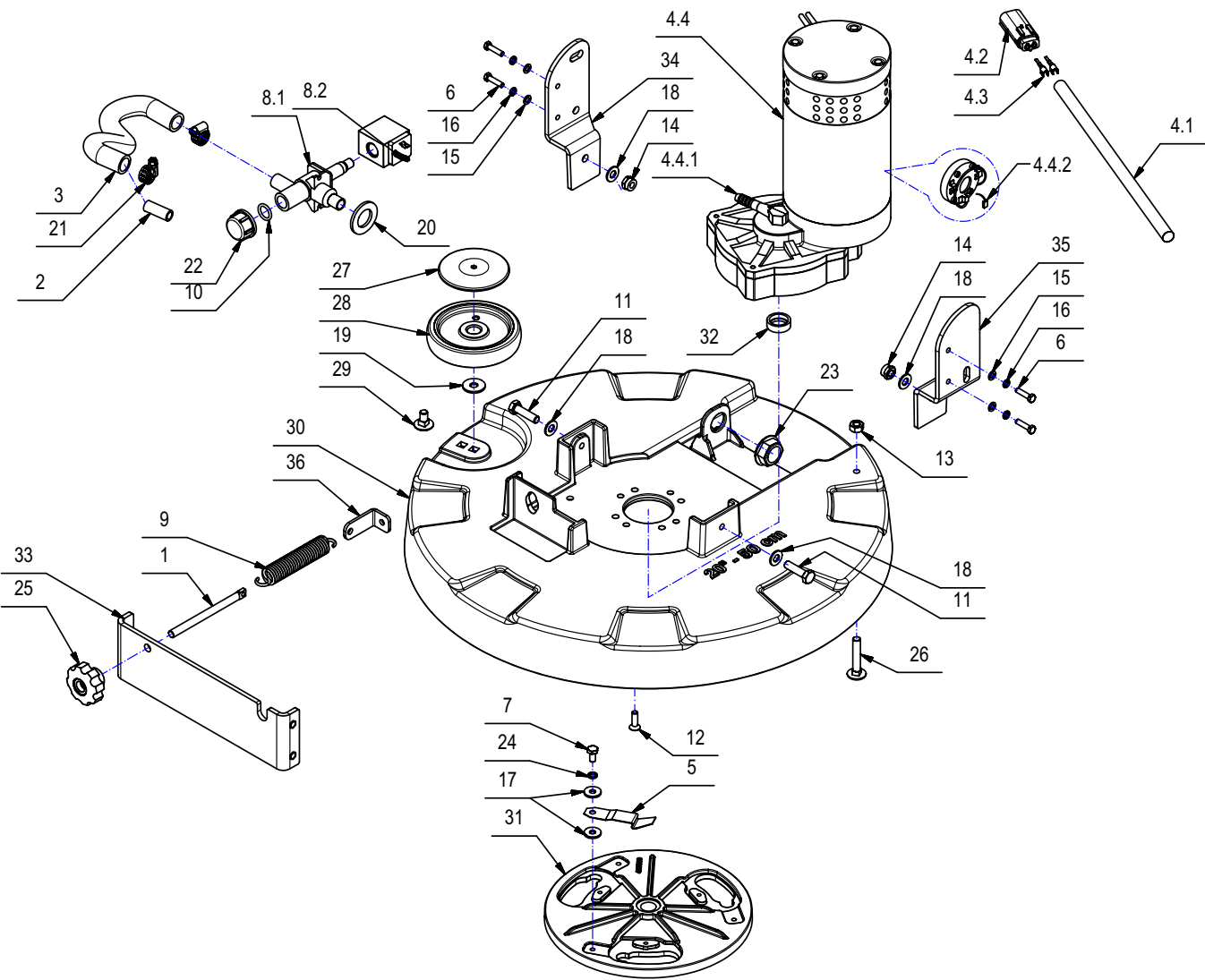


BRUSH DECK DRIVE PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. |
|-------|--------|--------------------------------------|------|
| 1 | E20011 | Motor Mount Plate | 1 |
| 2 | E82312 | Bushing | 2 |
| 3 | E83833 | Hex Bolt M8x25 Zinc | 2 |
| 4 | E83404 | Flat Washer M9x24x2.5 Zinc | 2 |
| 5 | E81709 | Nyloc Hex Nut, M8 Zinc | 6 |
| 6 | E83895 | Wheel 80 OD x 23 W | 2 |
| 7 | E83524 | Bushing | 2 |
| 8 | E81918 | Flat Washer M9x32x2.5 Zinc | 2 |
| 9 | E81874 | Flat Washer M8x17x1.6 Zinc | 4 |
| 10 | E83830 | Hex Bolt M8x40 Zinc | 2 |
| 11 | E82309 | Spring, Compression | 2 |
| 12 | E83331 | Knob | 1 |
| 13 | E83547 | M6x16 Bolt, Zinc Hex Head 4 | |
| 14 | E82774 | Lock Washer, M6 Zinc | 4 |
| 15 | E20093 | Carriage Bolt M8x25 Zinc | 1 |
| 16 | E20297 | Flat Hd Soc Machine Screw M8x16 Zinc | 3 |
| 17 | E82844 | Clutch Plate | 1 |

| Item# | Part # | Description | Qty. |
|-------|--------|------------------------------------|------|
| 18 | E82845 | Spacer | 3 |
| 19 | E88245 | Motor, Geared 24V 400W 140 RPM | 1 |
| 19.11 | E20451 | Fitting, Solution Delivery Tube | 1 |
| 20 | E83565 | Knob | 1 |
| 21 | E88246 | Brush, Flange Threaded | 1 |
| 23 | E83491 | Spring | 1 |
| 24 | E83881 | Hex Bolt M5x20 Zinc | 1 |
| 25 | E88010 | Hex Nut, M5 | 4 |
| 26 | E83489 | Rings | 1 |
| 27 | E20290 | Flat Hd Soc Machine Screw M5x16 SS | 2 |
| 28 | E20507 | Brush Deck | 1 |
| 29 | E20584 | Retainer | 1 |
| 31 | E86169 | Band Clamp | 1 |
| 32 | E83823 | Screw M5x20/ SS Custom | 1 |
| 33 | E20592 | Dowel Pin M8 | 1 |
| 34 | E83672 | Hex Jam Nut, M8x5 SS | 1 |

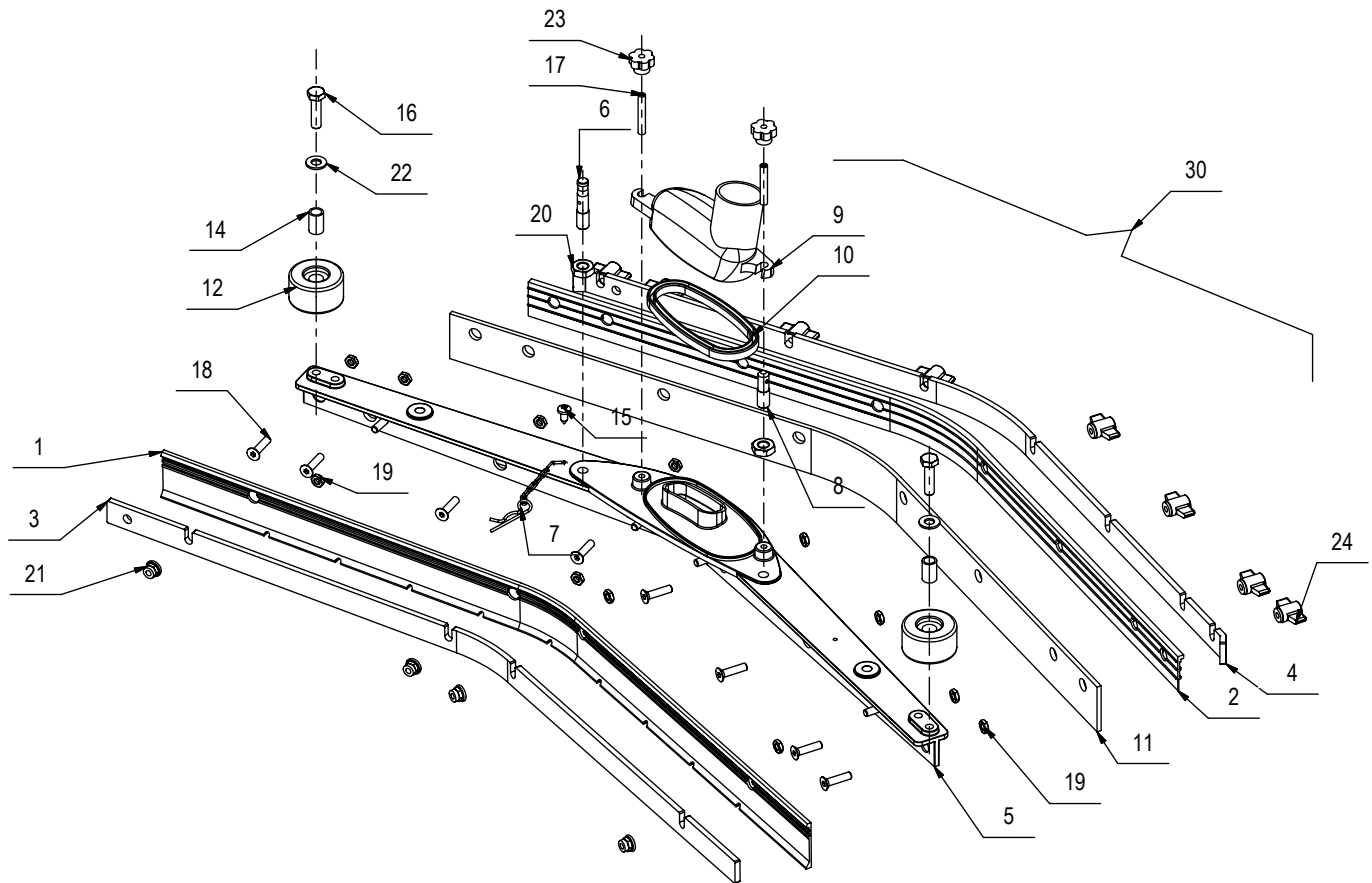
BRUSH DECK DRIVE DIAGRAM - AFTER SERIAL NUMBER 215000000



BRUSH DECK DRIVE PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. | Item# | Part # | Description | Qty. |
|-------|--------|--------------------------------------|------|-------|--------|--------------------------------|------|
| 1 | E84326 | Threaded Rod | 1 | 16 | E20123 | Lock Washer M5x1.6 Zinc | 4 |
| 2 | E22639 | Tubing, 1.25" | 1 | 17 | E83799 | Flat Washer M6.6x18x2 SS | 2 |
| 3 | E84327 | Tubing, 6.5" | 1 | 18 | E81874 | Flat Washer M8x17x1.6 Zinc | 4 |
| 4.1 | E22640 | Cable Sheath | 1 | 19 | E83404 | Washer, Flat, M8 x 24 OD, Zinc | 1 |
| 4.2 | E22641 | Connector, Female | 1 | 20 | E20253 | Flat Washer M21x60x3 Nylon | 1 |
| 4.3 | E84319 | Molex Pin | 2 | 21 | E85762 | Hose Clamp | 2 |
| 4.4 | E84328 | Brush Motor, 24V 500W | 1 | 22 | E83882 | Cap, 1/2" NPT | 1 |
| 4.4.1 | E20451 | Fitting, Solution Delivery Tube | 1 | 23 | E20433 | Nut, Hex Flange, M20, Plastic | 1 |
| 4.4.2 | E81553 | Carbon Brush | 4 | 24 | E20323 | Lock Washer M6 SS | 1 |
| 5 | E81659 | Spring | 1 | 25 | E84329 | Adjustment Knob | 1 |
| 6 | E83881 | Hex Bolt M5x20 Zinc | 4 | 26 | E84320 | Bolt, M8 x 45 | 1 |
| 7 | E83279 | Screw | 1 | 27 | E22646 | Wheel Cover | 1 |
| 8 | E82322 | Solenoid Valve, 24v 10w 3-Port Nylon | 1 | 28 | E22668 | Bumper Wheel | 1 |
| 8.1 | E81794 | Valve Body, Solenoid | 1 | 29 | E22653 | Screw, M8 x 16 | 1 |
| 8.2 | E81795 | Solenoid | 1 | 30 | E84318 | Brush Base Housing | 1 |
| 9 | E22288 | Spring, 20x2.8x109mm Zinc Tension | 1 | 31 | E84330 | Pad Gimble | 1 |
| 10 | E83617 | O-Ring, 14x2.5mm Buna-N | 1 | 32 | E84321 | Spacer | 1 |
| 11 | E83802 | Hex Bolt M8x30 Zinc | 2 | 33 | E84322 | Front Plate | 1 |
| 12 | E83831 | Flat Hd Soc Machine Screw M6x20 SS | 4 | 34 | E84323 | Deck Mounting Plate, Right | 1 |
| 13 | E85499 | Hex Nut, M8x6.5 SS | 1 | 35 | E84324 | Deck Mounting Plate, Left | 1 |
| 14 | E86853 | Nyloc Hex Nut, M8 Zinc | 2 | 36 | E84325 | Plate | 1 |
| 15 | E83879 | Flat Washer M5x11x1 Zinc | 4 | | | | |

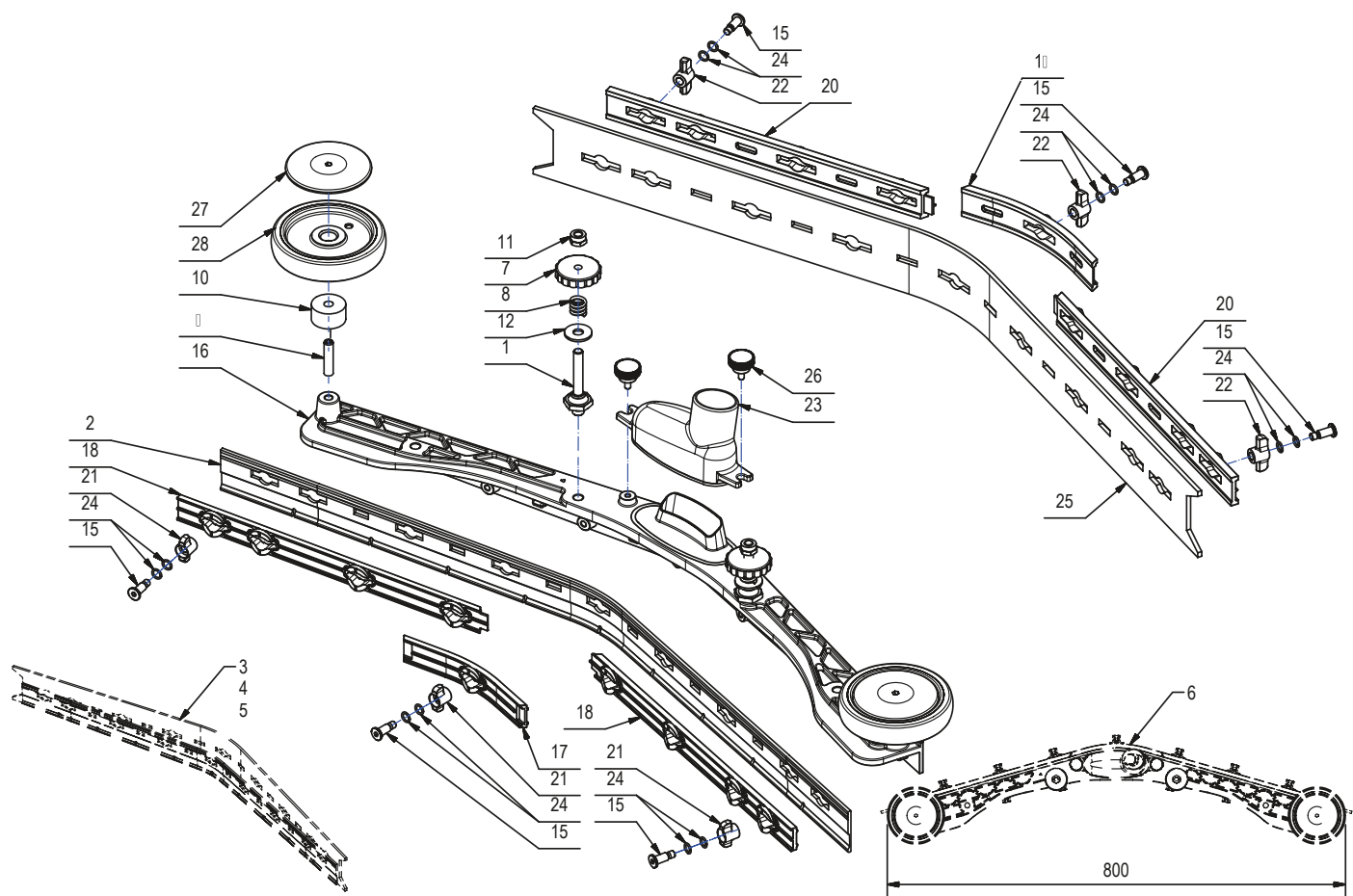
SQUEEGEE ASSEMBLY DIAGRAM - BEFORE SERIAL NUMBER 214999999



SQUEEGEE ASSEMBLY PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. | Item# | Part # | Description | Qty. |
|-------|--------|--|------|-------|--------|---|------|
| 1 | E83909 | Squeegee Blade, Polyurethane 30" x 1 3/4" x 1/8" | 1 | 14 | E82253 | Bushing, Brass OD 11.95mm x ID 8.9mm x L 8.45mm | 1 |
| 2 | E12560 | Squeegee Blade, Polyurethane 30 3/4" x 1 3/4" x 1/8" | 1 | 15 | E83851 | Screw, Pan Hd Phil Self Tap M5.5x13 SS | 2 |
| 3 | E82608 | Band Clamp 29 1/2" x 7/8" x 1/8" | 1 | 16 | E83802 | Hex Bolt M8x30 Zinc | 2 |
| 4 | E82676 | Band Clamp 31 1/4" x 7/8" x 1/8" | 1 | 17 | E82707 | Set Screw Hex Soc Flat End M6x40 SS | 8 |
| 5 | E88240 | Squeegee Body | 1 | 18 | E81848 | Flat Hd Soc Machine Screw M6x25 SS | 12 |
| 6 | E83911 | Stud Bolt M10x46 Custom | 1 | 19 | E20114 | Hex Jam Nut, M6X3 SS | 2 |
| 7 | E83590 | Chain | 1 | 20 | E83875 | Hex Jam Nut, M10X6 Zinc | 4 |
| 8 | E83945 | Stud Bolt M10x33 Custom | 1 | 21 | E20117 | Nyloc Hex Jam Nut, M6x9 SS | 2 |
| 9 | E82307 | Squeegee Vacuum Adapter | 1 | 22 | E81874 | Flat Washer M8x17x1.6 Zinc | 2 |
| 10 | E83971 | Gasket | 1 | 23 | E83810 | Knob | 8 |
| 11 | E12686 | Squeegee Blade, Gum Rubber 30 3/4" x 1 3/4" x 1/8" | 1 | 24 | E83591 | Knob | 1 |
| 12 | E82451 | Wheel 45 OD x 25 W | 2 | 30 | E88536 | Squeegee Assembly | 1 |
| 13 | E83914 | Hex Bolt M6x20 SS | 2 | | | | |

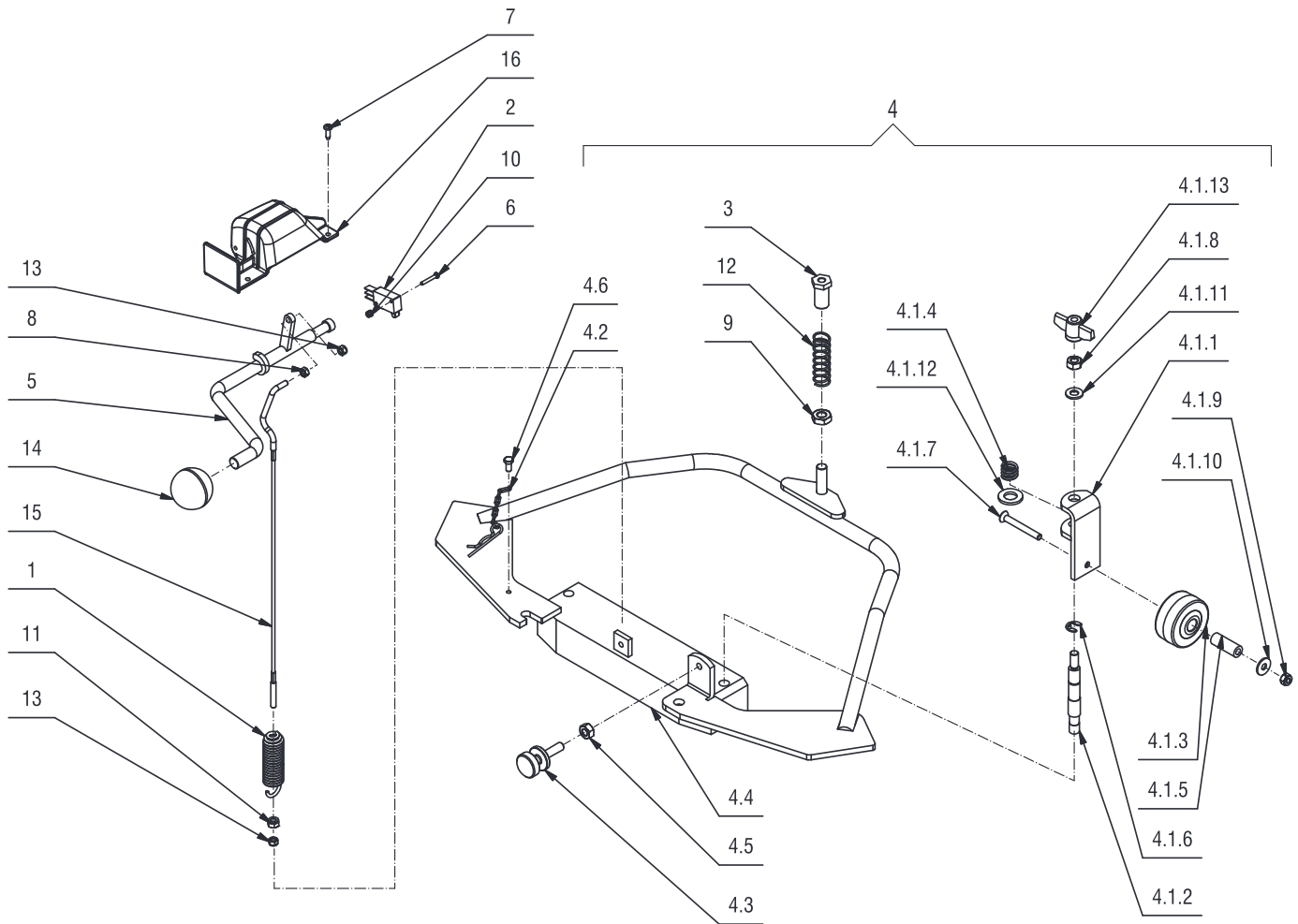
SQUEEGEE ASSEMBLY DIAGRAM - AFTER SERIAL NUMBER 215000000



SQUEEGEE ASSEMBLY PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. | Item# | Part # | Description | Qty. |
|-------|--------|--|------|-------|--------|-----------------------------------|------|
| 1 | E84336 | Mounting Stud | 2 | 17 | E22352 | Center Front Squeegee Blade Clamp | 1 |
| 3 | E22637 | Squeegee Blade Kit, 31" | 1 | 18 | E22635 | Clamp, Front Squeegee Blade | 2 |
| 4 | E84277 | Squeegee Blade Kit, Poly, 31" | 1 | 19 | E22355 | Center Rear Squeegee Blade Clamp | 1 |
| 5 | E84278 | Squeegee Blade Kit, Latex, 31" | 1 | 20 | E22634 | Rear Squeegee Blade Clamp | 2 |
| 6 | E84337 | Squeegee Assembly Complete, 31.5" | 1 | 21 | E22358 | Wing Nut Knob | 9 |
| 7 | E83331 | Knob, M8 Round Nylon Female | 2 | 22 | E22359 | Wing Nut Knob | 9 |
| 8 | E83402 | Spring, 15mm O.D. x 11mm I.D. x 16mm L | 2 | 23 | E22360 | Squeegee Shoe Adapter | 1 |
| 9 | E83804 | Stud | 2 | 24 | E22385 | O-Ring, 7mm | 36 |
| 10 | E84338 | Spacer | 2 | 25A | E22637 | Squeegee Blade Kit, 31" | 1 |
| 11 | E81342 | Nut, Hex Jam, Nyloc, M8 SS | 2 | 25B | E84277 | Squeegee Blade Kit, Poly, 31" | 1 |
| 12 | E86164 | Flat Washer M9x24x2.5 SS | 2 | 25C | E84278 | Squeegee Blade Kit, Latex, 31" | 1 |
| 15 | E22346 | Screw, Custom Cap | 18 | 26 | E22630 | Thumb Screw | 2 |
| 16 | E22633 | Squeegee Body | 1 | 27 | E22646 | Wheel Cover | 2 |
| | | | | 28 | E22668 | Bumper Wheel | 2 |

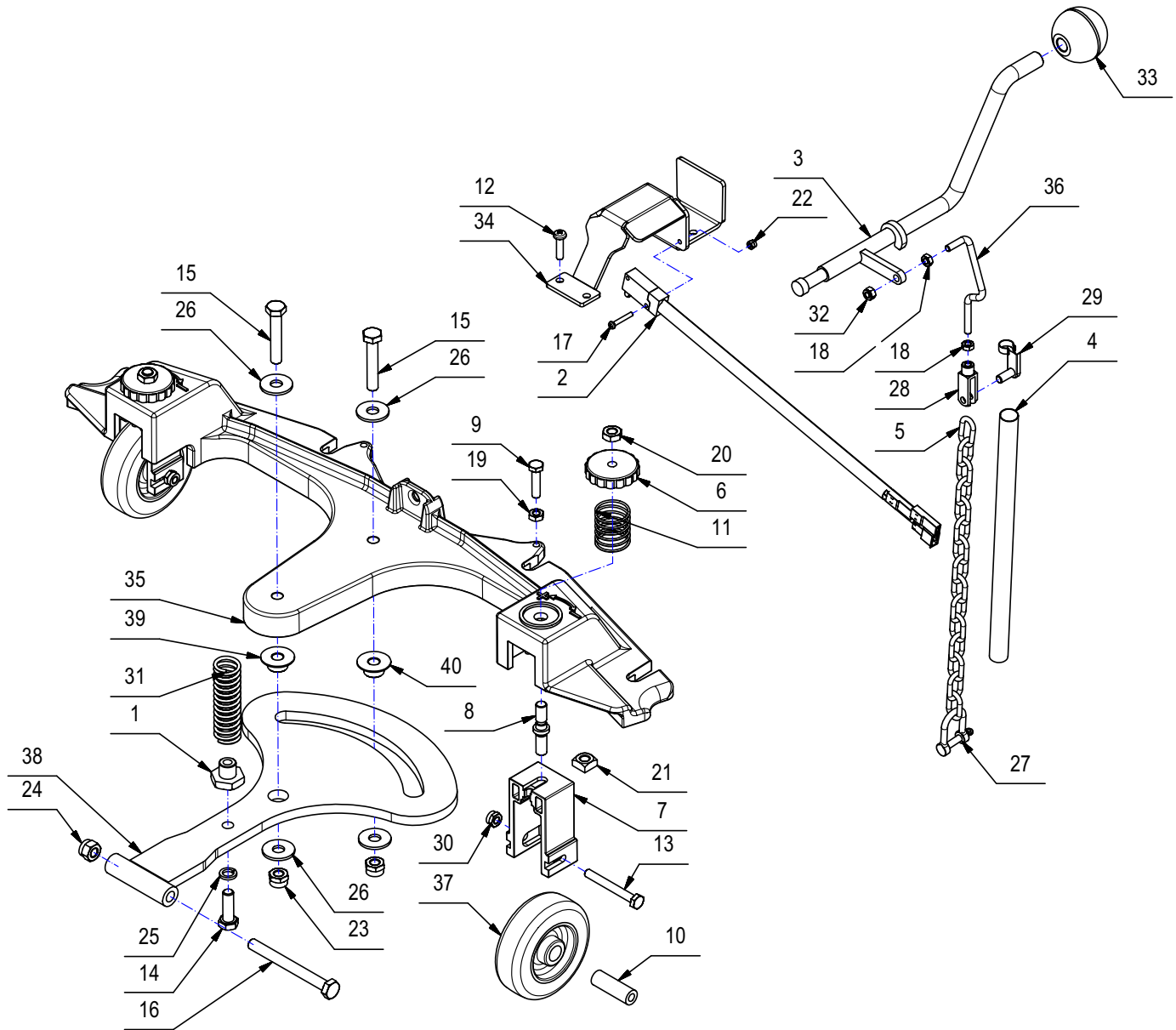
SQUEEGEE YOKE DIAGRAM - BEFORE SERIAL NUMBER 214999999



SQUEEGEE YOKE PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. | Item# | Part # | Description | Qty. |
|--------|--------|--------------------------------------|------|-------|--------|--------------------------------------|------|
| 1 | E82279 | Spring | 1 | 4.2 | E83590 | Chain | 1 |
| 2 | E88279 | Micro Switch Sealed | 1 | 4.3 | E83655 | Adjuster Knob | 1 |
| 3 | E20373 | Guide Bushing | 1 | 4.4 | E20286 | Squeegee Yoke | 1 |
| 4 | E20227 | Squeegee Yoke ASM | 1 | 4.5 | E85499 | Hex Nut, M8x6.5 SS | 1 |
| 4.1 | E20644 | Squeegee Wheel Support ASM | 2 | 4.6 | E20134 | Hex Bolt M5x10 Zinc | 1 |
| 4.1.1 | E85497 | Weldment, Squeegee Wheel Support | 1 | 5 | E20408 | Squeegee Lift Lever | 1 |
| 4.1.2 | E82329 | Threaded Pin | 1 | 6 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 2 |
| 4.1.3 | E82428 | Wheel 52 OD x 28 W | 1 | 7 | E83838 | Screw 4.2 X 13 | 4 |
| 4.1.4 | E81634 | Spring Compression | 1 | 8 | E82317 | Hex Jam Nut, M5X3.5 Zinc | 1 |
| 4.1.5 | E82273 | Bushing | 1 | 9 | E83875 | Hex Jam Nut, M10X6 Zinc | 1 |
| 4.1.6 | E85498 | E Style Circlip | 1 | 10 | E81673 | Hex Nyloc Nut, M3 Zinc | 2 |
| 4.1.7 | E20246 | Flat Hd Soc Machine Screw M6x50 Zinc | 1 | 11 | E83550 | NyLoc Hex Nut, M6 Zinc | 1 |
| 4.1.8 | E83656 | Hex Nut, M8x6.5 Zinc | 1 | 12 | E88248 | Spring 17 x 14 x 53 Wide D=1.5 | 1 |
| 4.1.9 | E83550 | NyLoc Hex Nut, M6 Zinc | 1 | 13 | E20382 | Nyloc Hex Nut, M5x5 Zinc | 2 |
| 4.1.10 | E82798 | Flat Washer M6x18x1.5 Zinc | 1 | 14 | E20638 | Knob | 1 |
| 4.1.11 | E81874 | Flat Washer M8x17x1.6 Zinc | 1 | 15 | E88250 | Squeegee Lift Cable | 1 |
| 4.1.12 | E85722 | Flat Washer M13x24x2.5 Zinc | 1 | 16 | E20641 | Bracket | 1 |
| 4.1.13 | E83531 | Knob | 1 | | | | |

SQUEEGEE YOKE DIAGRAM - AFTER SERIAL NUMBER 215000000

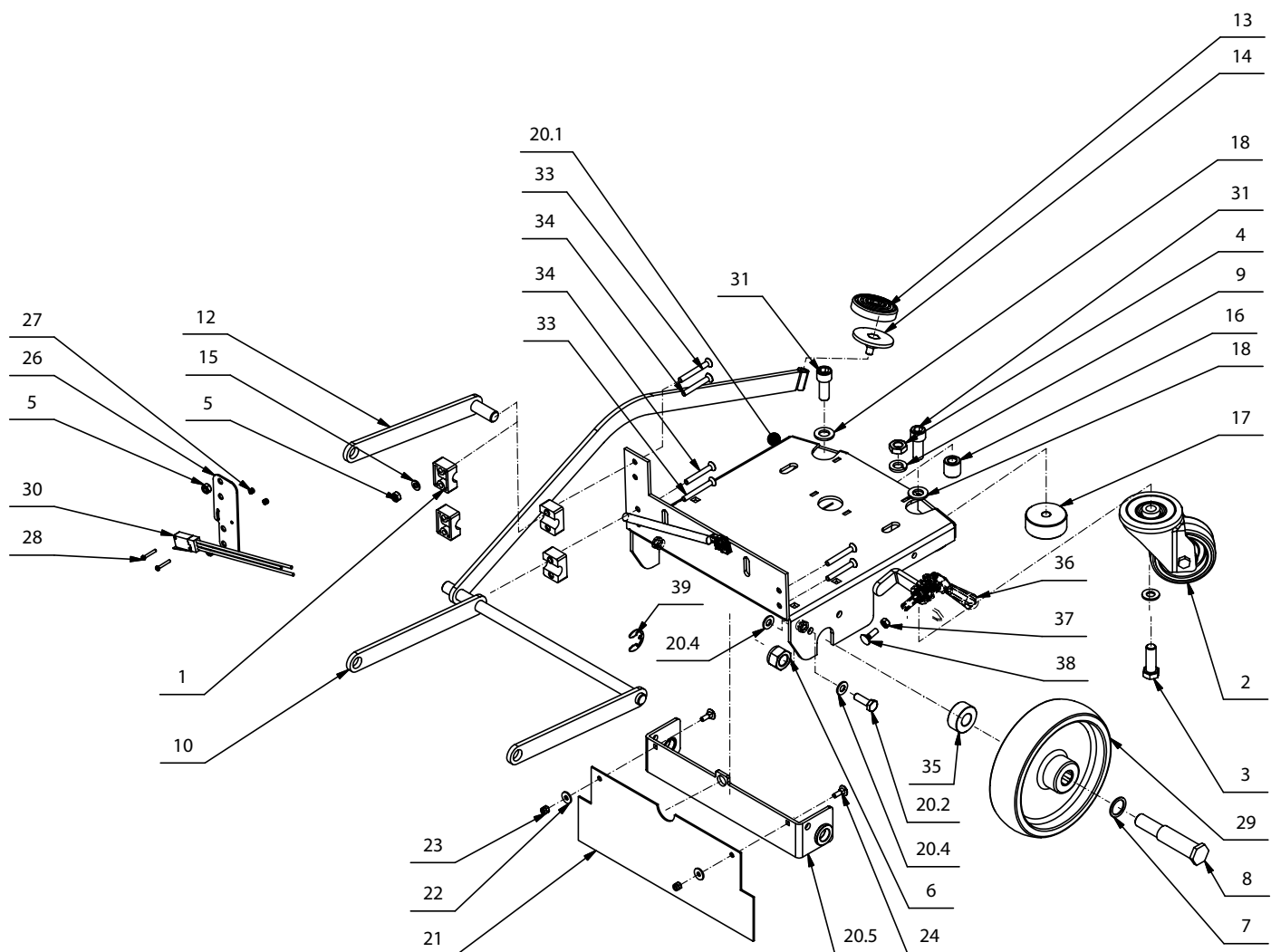


SQUEEGEE YOKE PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. |
|-------|--------|---|------|
| 1 | E20006 | Bushing | 1 |
| 2 | E88279 | Micro Switch Sealed | 1 |
| 3 | E20408 | Squeegee Lift Lever | 1 |
| 4 | E84339 | Sheath | 1 |
| 5 | E84340 | Squeegee Lift Chain | 1 |
| 6 | E83331 | Knob, M8 Round Nylon Female | 2 |
| 7 | E20078 | Squeegee Wheel Support | 2 |
| 8 | E20079 | Threaded Adjuster Rod | 2 |
| 9 | E22671 | Bolt, M6 x 25 | 1 |
| 10 | E82274 | Bushing | 2 |
| 11 | E20091 | Spring | 2 |
| 12 | E82288 | Screw, Pan Hd Phil, Self Tap, M5.2 x 20, Zinc | 4 |
| 13 | E83933 | Screw, Tripla Side Squeegee | 2 |
| 14 | E83833 | Hex Bolt M8x25 Zinc | 1 |
| 15 | E20287 | Hex Bolt M8x45 SS | 2 |
| 16 | E20099 | Hex Bolt M8x80 SS | 1 |
| 17 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 2 |
| 18 | E82317 | Hex Jam Nut, M5X3.5 Zinc | 2 |
| 19 | E20113 | Hex Jam Nut, M6X4 SS | 1 |
| 20 | E83672 | Hex Jam Nut, M8x5 SS | 2 |

| Item# | Part # | Description | Qty. |
|-------|--------|-----------------------------|------|
| 21 | E83824 | Square Nut, M8 SS | 2 |
| 22 | E81673 | Nut, Hex Nyloc, M3 Zinc | 2 |
| 23 | E81342 | Nut, Hex Jam, Nyloc, M8 SS | 2 |
| 24 | E20119 | Nyloc Hex Nut, M8 SS | 1 |
| 25 | E81046 | Lock Washer M8 Zinc | 1 |
| 26 | E86164 | Flat Washer M9x24x2.5 SS | 4 |
| 27 | E86147 | Split Pin | 1 |
| 28 | E83538 | Fork | 1 |
| 29 | E83542 | Clip | 1 |
| 30 | E82314 | Nut, Hex Jam, Nyloc, M6, SS | 2 |
| 31 | E20519 | Spring | 1 |
| 32 | E82256 | Nyloc Hex Nut, M5x7 Zinc | 1 |
| 33 | E20638 | Knob | 1 |
| 34 | E84341 | Cam Guard | 1 |
| 35 | E84342 | Squeegee Carriage | 1 |
| 36 | E84343 | Lift Coupling | 1 |
| 37 | E84344 | Squeegee Support Wheel | 2 |
| 38 | E84345 | Pivot Plate | 1 |
| 39 | E84346 | Spacer | 1 |
| 40 | E84347 | Spacer | 1 |

MAIN FRAME DIAGRAM - BEFORE SERIAL NUMBER 214999999

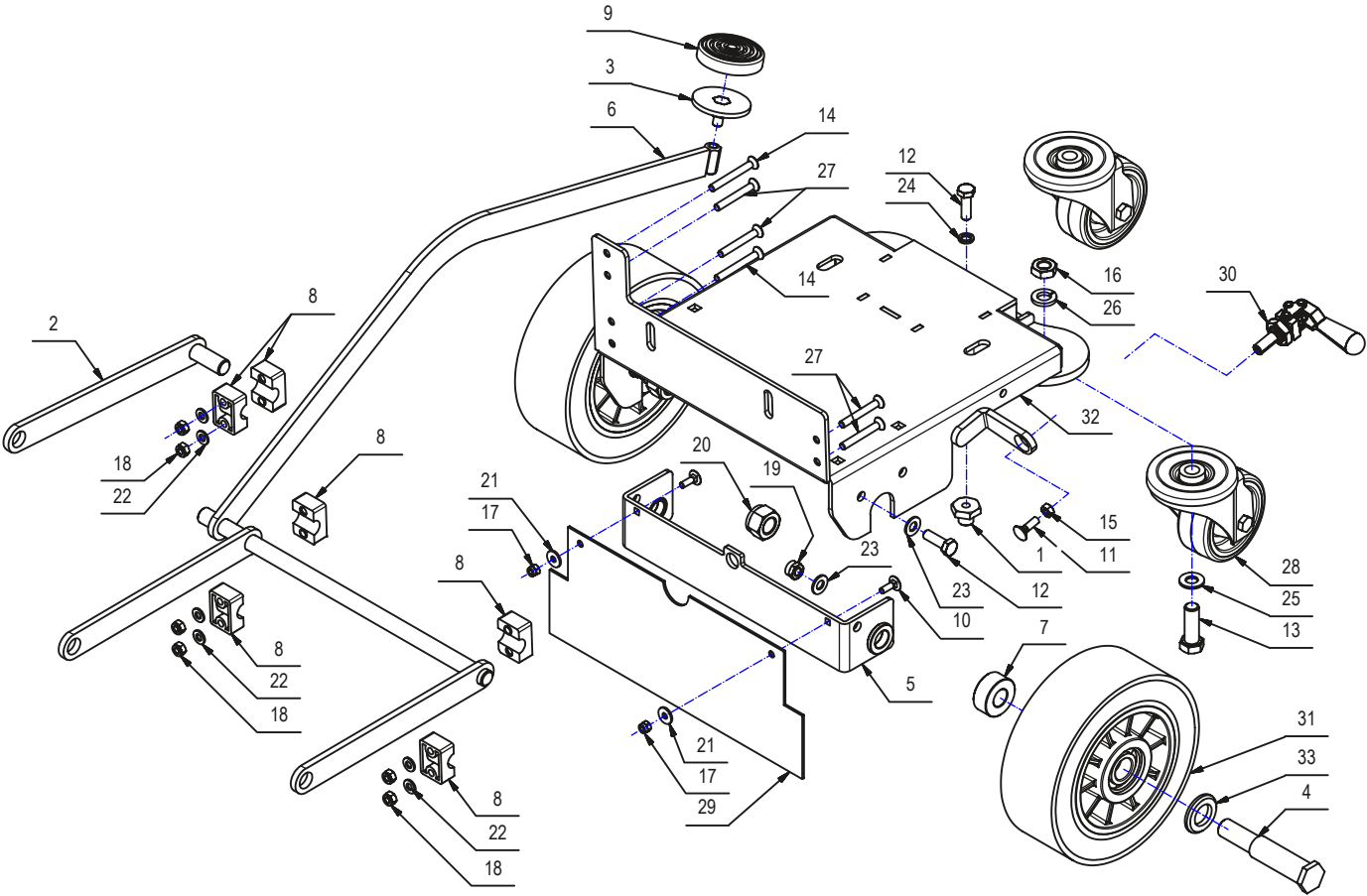


MAIN FRAME PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. |
|-------|--------|------------------------------------|------|
| 1 | E82834 | Pivot Block | 6 |
| 2 | E20437 | Castor | 1 |
| 3 | E81735 | Hex Bolt M12x35 Zinc | 1 |
| 4 | E83829 | Hex Jam Nut, M12X7 Zinc | 1 |
| 5 | E83550 | NyLoc Hex Nut, M6 Zinc | 8 |
| 6 | E81627 | Nyloc Hex Nut, M16 Zinc | 2 |
| 7 | E81948 | Flat Washer M20x26x1.5 AL | 2 |
| 8 | E20647 | Axle Shaft | 2 |
| 9 | E81738 | Flat Washer M4x12x3 Zinc | 1 |
| 10 | E20388 | Brush Deck Lift Arm Weldment | 1 |
| 12 | E83597 | Brush Deck Lift Idler Arm Weldment | 1 |
| 13 | E83669 | Pedal cover | 1 |
| 14 | E20370 | Foot Pedal | 1 |
| 15 | E82761 | Washer 6x12x1.6 | 6 |
| 16 | E20226 | Bumper | 1 |
| 17 | E20334 | Bumper | 1 |
| 18 | E85722 | Flat Washer M13x24x2.5 Zinc | 2 |
| 20 | E20430 | Main Frame ASM | 1 |
| 20.1 | E20600 | Main Frame Weldment | 1 |
| 20.2 | E83833 | Hex Bolt M8x25 Zinc | 2 |

| Item# | Part # | Description | Qty. |
|-------|--------|--------------------------------------|------|
| 20.4 | E81874 | Flat Washer M8x17x1.6 Zinc | 4 |
| 20.5 | E20532 | Axle Mounting Bracket | 1 |
| 20.6 | E81709 | Nyloc Hex Nut, M8 Zinc | 2 |
| 21 | E20501 | Splash Guard | 1 |
| 22 | E20122 | Flat Washer M5 x 15 x 1.5 SS | 2 |
| 23 | E20705 | Nyloc Hex Nut, M5 Zinc | 2 |
| 24 | E20488 | Carriage Bolt M5x16 Zinc | 2 |
| 26 | E20473 | Switch Plate | 1 |
| 27 | E20435 | Nyloc Hex Nut, M3 SS | 2 |
| 28 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 2 |
| 29 | E82551 | Transport Wheel 175 OD x 45 W | 2 |
| 30 | E88256 | Micro Switch | 1 |
| 31 | E20380 | Soc Hd Cap Screw M12x30 Zinc | 2 |
| 33 | E20246 | Flat Hd Soc Machine Screw M6x50 Zinc | 2 |
| 34 | E20255 | Flat Hd Soc Machine Screw M6x45 Zinc | 4 |
| 35 | E20528 | Spacer | 2 |
| 36 | E20369 | Parking Brake | 1 |
| 37 | E83852 | Hex Nut, M6x5 | 1 |
| 38 | E20356 | Carriage Bolt M6x20 Zinc | 1 |
| 39 | E20706 | Retaining Ring, E-Style M15 | 1 |

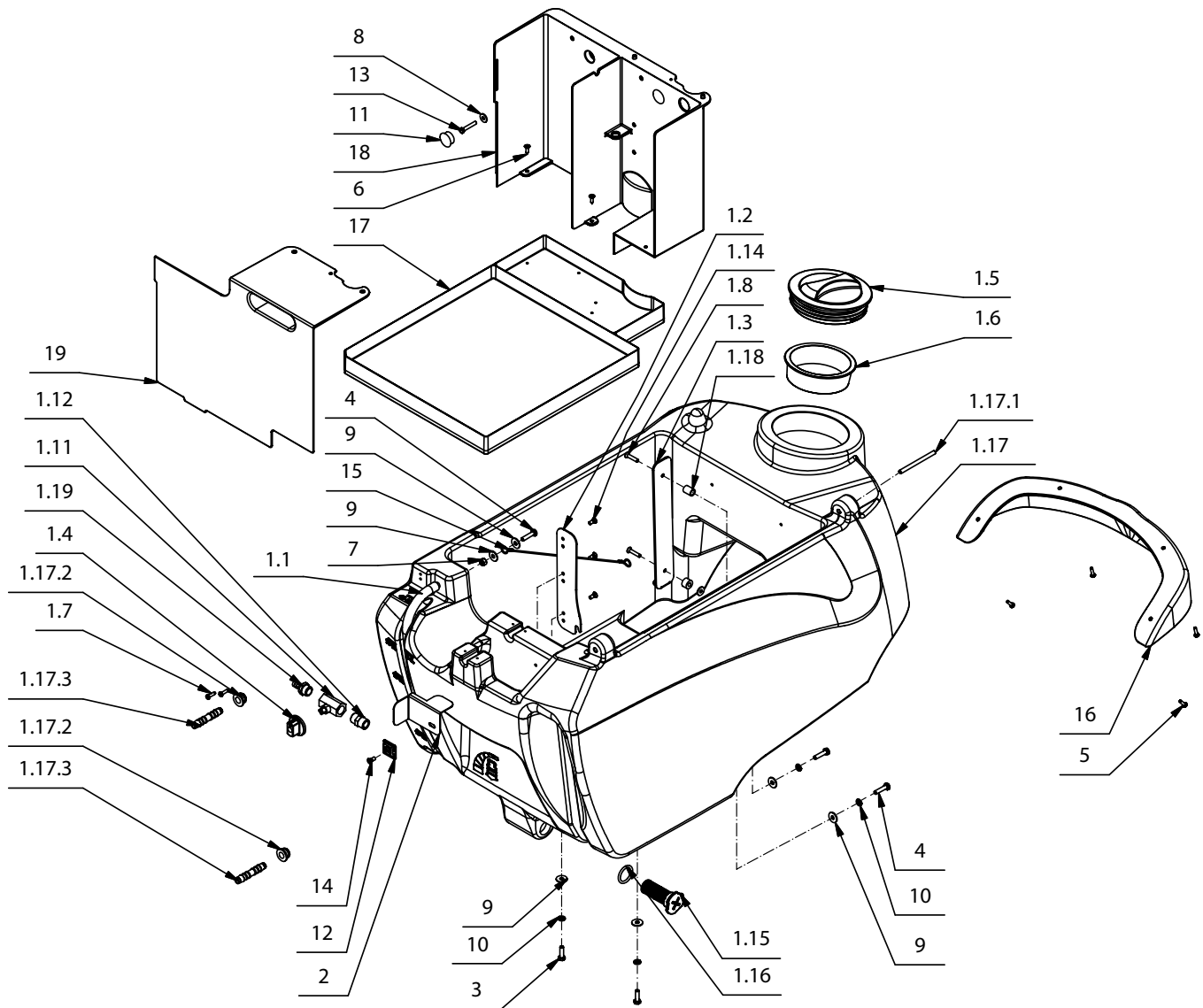
MAIN FRAME DIAGRAM - AFTER SERIAL NUMBER 215000000



MAIN FRAME PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. | Item# | Part # | Description | Qty. |
|-------|--------|--------------------------------------|------|-------|--------|--------------------------------------|------|
| 1 | E20006 | Bushing | 1 | 18 | E83550 | NyLoc Hex Nut, M6 Zinc | 6 |
| 2 | E83597 | Brush Deck Lift Idler Arm Weldment | 1 | 19 | E86853 | Nyloc Hex Nut, M8 Zinc | 2 |
| 3 | E20370 | Foot Pedal | 1 | 20 | E81627 | Nyloc Hex Nut, M16 Zinc | 2 |
| 4 | E20647 | Axle Shaft | 2 | 21 | E20122 | Flat Washer M5 x 15 x 1.5 SS | 2 |
| 5 | E20532 | Axle Mounting Bracket | 1 | 22 | E82761 | Flat Washer M6x12x1.6 Zinc | 6 |
| 6 | E20388 | Brush Deck Lift Arm Weldment | 1 | 23 | E81874 | Flat Washer M8x17x1.6 Zinc | 4 |
| 7 | E20528 | Spacer | 2 | 24 | E81046 | Lock Washer M8 Zinc | 1 |
| 8 | E82834 | Pivot Block | 6 | 25 | E82773 | Flat Washer M10x21x2 Zinc | 2 |
| 9 | E83669 | Pedal cover | 1 | 26 | E81738 | Flat Washer M4x12x3 Zinc | 2 |
| 10 | E20488 | Carriage Bolt M5x16 Zinc | 2 | 27 | E20255 | Flat Hd Soc Machine Screw M6x45 Zinc | 4 |
| 11 | E20356 | Carriage Bolt M6x20 Zinc | 1 | 28 | E20437 | Castor | 2 |
| 12 | E83833 | Hex Bolt M8x25 Zinc | 3 | 29 | E20501 | Splash Guard | 1 |
| 13 | E81735 | Hex Bolt M12x35 Zinc | 2 | 30 | E20369 | Parking Brake | 1 |
| 14 | E20246 | Flat Hd Soc Machine Screw M6x50 Zinc | 2 | 31 | E84234 | Front Wheel | 2 |
| 15 | E83852 | Nut, Hex, M8, Zinc | 1 | 32 | E84331 | Chassis | 1 |
| 16 | E83829 | Hex Jam Nut, M12X7 Zinc | 2 | 33 | E84332 | Bearing Washer | 2 |
| 17 | E20705 | Nut, Nyloc, Hex, M5, Zinc | 2 | | | | |

SOLUTION TANK DIAGRAM

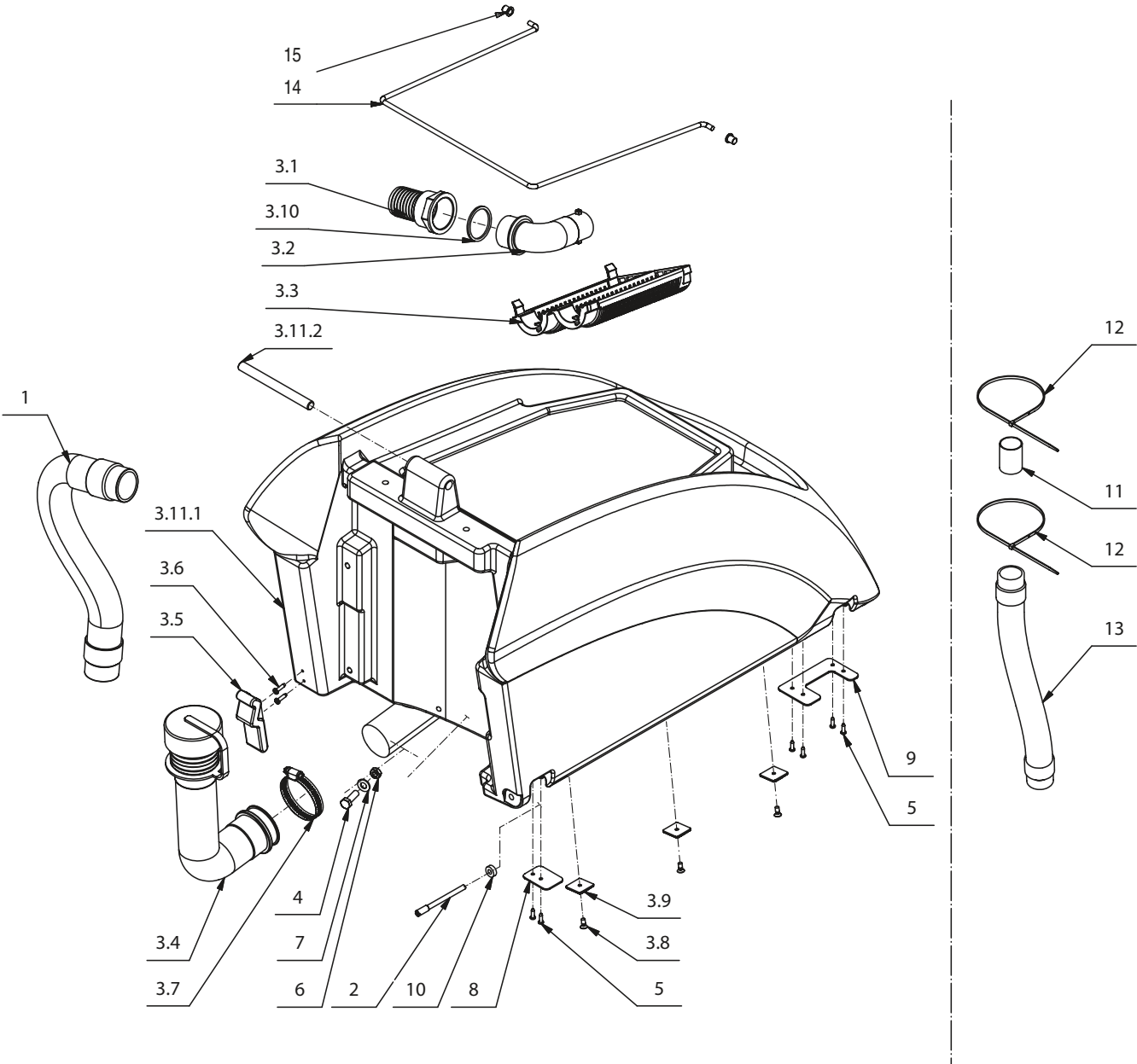


SOLUTION TANK PARTS LISTING

| Item# | Part # | Description | Qty. |
|--------|--------|--|------|
| 1 | E20285 | Solution Tank ASM | 1 |
| 1.1 | E88258 | Hose, Glass Reinforced 15 OD x 10 ID x 496 L | 1 |
| 1.2 | E20409 | Foot Pedal Latch Plate | 1 |
| 1.3 | E20611 | Guard Plate | 1 |
| 1.4 | E86145 | Knob | 1 |
| 1.5 | E82429 | Cap | 1 |
| 1.6 | E82612 | Filter | 1 |
| 1.7 | E20107 | Screw, Pan Hd Phil Self Tap M4.2x16 SS | 2 |
| 1.8 | E20110 | Flat Hd Soc Machine Screw M5x25 SS | 2 |
| 1.9 | E20122 | Flat Washer M5 x 15 x 1.5 SS | 1 |
| 1.10 | E85762 | Hose Clamp | 1 |
| 1.11 | E83361 | Ball Valve | 1 |
| 1.12 | E83943 | Nipple 3/8 | 1 |
| 1.13 | E81981 | Spacer | 1 |
| 1.14 | E20468 | Flat Hd Phil Machine Screw M5x12 Zinc | 3 |
| 1.15 | E88259 | Filter, Water 23 x 53 Plug 3/4" | 1 |
| 1.16 | E88261 | Flat Washer M8.2x32x4 Zinc | 1 |
| 1.17 | E20197 | Solution Tank, Gray | 1 |
| 1.17.1 | E20389 | Hinge Pin | 1 |
| 1.17.2 | E20271 | Grommet | 2 |
| 1.17.3 | E20196 | Fitting, Barbed | 2 |

| Item# | Part # | Description | Qty. |
|-------|--------|--|------|
| 1.18 | E20577 | Spacer | 1 |
| 1.19 | E20602 | Fitting, Barbed Threaded | 1 |
| 2 | E20411 | Bracket | 1 |
| 3 | E82772 | Hex Bolt M6x20 Zinc | 2 |
| 4 | E20090 | Hex Bolt M6x25 Zinc | 3 |
| 5 | E20392 | Pan Hd Phil Machine Screw M4x16 Zinc | 4 |
| 6 | E83796 | Screw, Pan Hd Phil Self Tap M4.2x16 Zinc | 5 |
| 7 | E20112 | Hex Nut, M6x6 Zinc | 1 |
| 8 | E20121 | Flat Washer M5x15x1.5 Zinc | 2 |
| 9 | E82798 | Washer, 6x18x1.5 | 6 |
| 10 | E82774 | Lock Washer, M6 Zinc | 4 |
| 11 | E20708 | Cover, Bolt | 2 |
| 12 | E81619 | Support Bracket | 1 |
| 13 | E20359 | Hex Bolt M5x30 Zinc | 2 |
| 14 | E20468 | Flat Hd Phil Machine Screw M5x12 Zinc | 1 |
| 15 | E88260 | Lanyard | 1 |
| 16 | E20438 | Bezel | 1 |
| 17 | E20709 | Battery Tray | 1 |
| 18 | E20710 | Housing, Plastic | 1 |
| 19 | E20711 | Housing Cover, Plastic | 1 |

RECOVERY TANK DIAGRAM

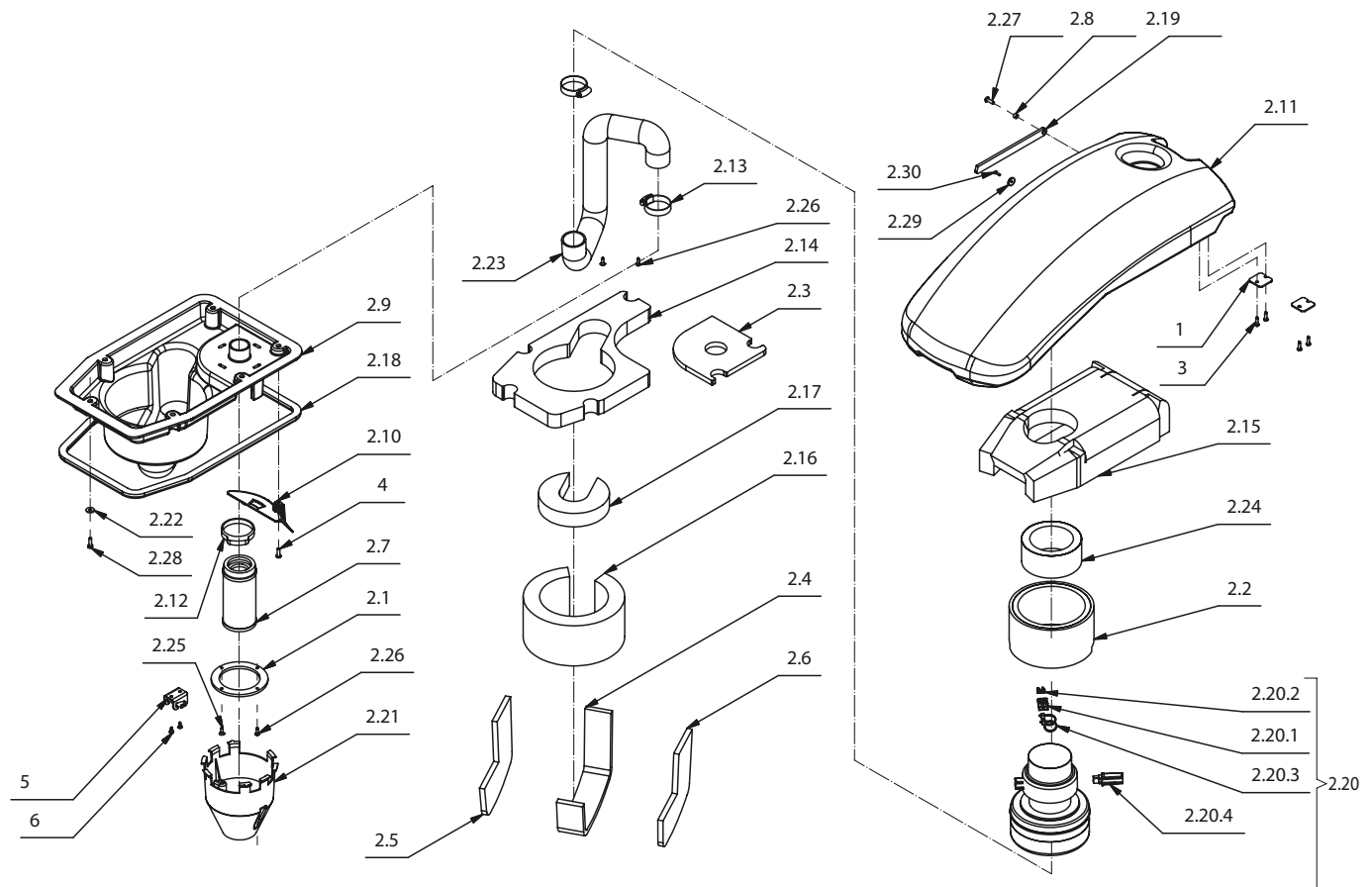


RECOVERY TANK PARTS LISTING

| Item# | Part # | Description | Qty. |
|--------|--------|--|------|
| 1 | E88499 | Hose, Vacuum | 1 |
| 2 | E20074 | Hinge Pin | 1 |
| 3 | E20354 | Recovery Tank ASM | 1 |
| 3.1 | E20189 | Fitting, Barbed | 1 |
| 3.2 | E20186 | Elbow | 1 |
| 3.3 | E88285 | Filter, Cage | 1 |
| 3.4 | E88286 | Hose, Drain | 1 |
| 3.5 | E20413 | Latch | 1 |
| 3.6 | E20107 | Screw, Pan Hd Phil Self Tap M4.2x16 SS | 2 |
| 3.7 | E20707 | Clamp, Hose M40-64 Zinc | 1 |
| 3.8 | E20468 | Flat Hd Phil Machine Screw M5x12 Zinc | 3 |
| 3.9 | E81619 | Cable Tie Holder | 3 |
| 3.10 | E82341 | Gasket | 1 |
| 3.11.1 | E20198 | Recovery Tank, Red | 1 |

| Item# | Part # | Description | Qty. |
|--------|--------|--|------|
| 3.11.2 | E20188 | Hinge Pin | 1 |
| 4 | E83833 | Hex Bolt M8x25 Zinc | 1 |
| 5 | E82638 | Screw, Pan Hd Phil Self Tap M3.9x13 SS | 6 |
| 6 | E82808 | Hex Jam Nut, M8X5 Zinc | 1 |
| 7 | E20127 | Flat Washer M9x18x1.5 Zinc | 1 |
| 8 | E20563 | Plate | 1 |
| 9 | E20195 | Plate | 1 |
| 10 | E20524 | Spacer, Nylon | 1 |
| 11 | E88500 | Fitting, Hose D38, W1.5, L50 | 1 |
| 12 | E83920 | Clamp 9x300 4,8x360 black | 2 |
| 13 | E88499 | Hose, Vacuum | 1 |
| 14 | E22072 | Bale, Vac Lid | 1 |
| 15 | E22074 | Plug, Vac Lid Bale | 2 |

VACUUM UNIT DIAGRAM

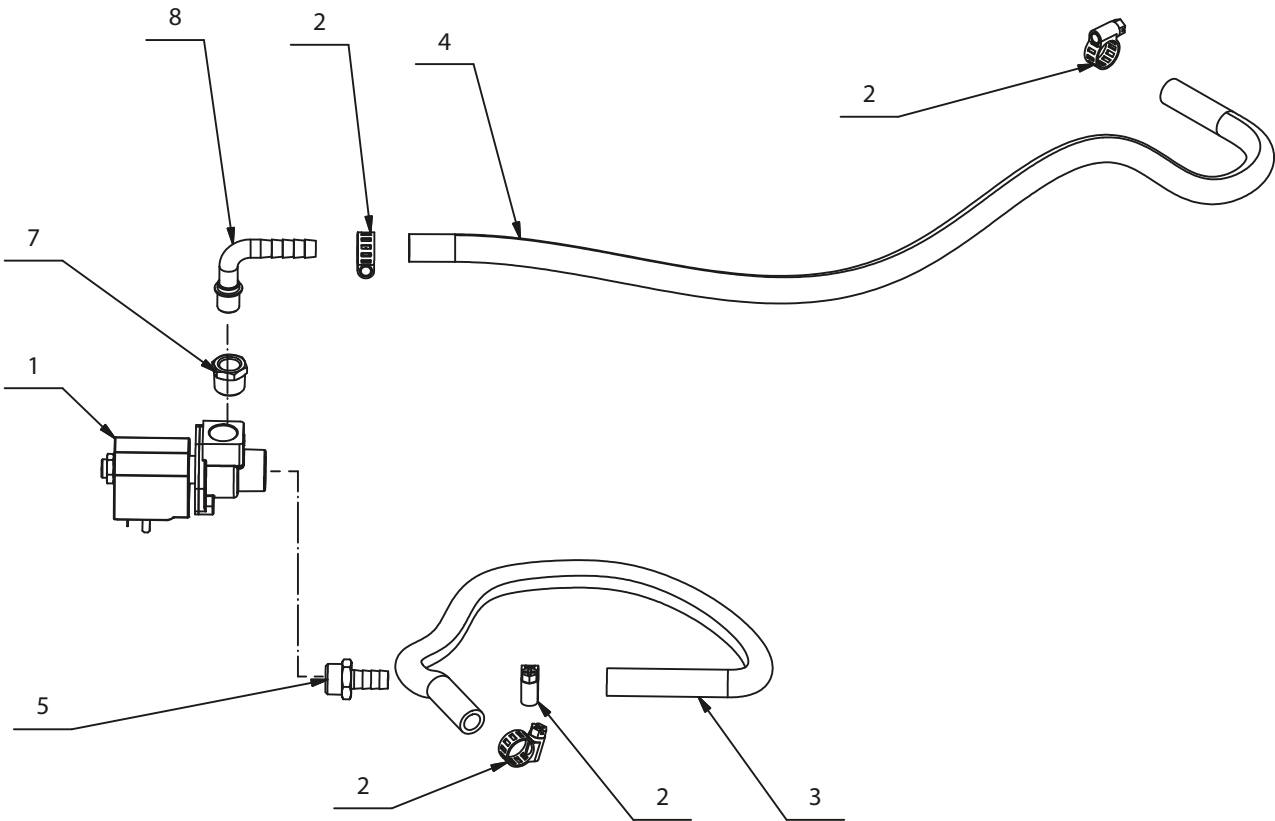


VACUUM UNIT PARTS LISTING

| Item# | Part # | Description | Qty. |
|-------|--------|-------------------------|------|
| 1 | E20265 | Plate | 2 |
| 2 | E20066 | Recovery Tank Cover ASM | 1 |
| 2.1 | E20305 | Mounting Ring | 1 |
| 2.2 | E20652 | Sound Deadening Foam | 1 |
| 2.3 | E20180 | Sound Deadening Foam | 1 |
| 2.4 | E20179 | Sound Deadening Foam | 1 |
| 2.5 | E20178 | Sound Deadening Foam | 1 |
| 2.6 | E20266 | Sound Deadening Foam | 1 |
| 2.7 | E88292 | Filter, Cage | 1 |
| 2.8 | E20486 | Bushing | 1 |
| 2.9 | E20384 | Vacuum Motor Cover | 1 |
| 2.10 | E20191 | Deflector | 1 |
| 2.11 | E20199 | Recovery Tank Cover | 1 |
| 2.12 | E81710 | Hose Clamp | 1 |
| 2.13 | E20325 | Hose Clamp | 2 |
| 2.14 | E20181 | Sound Deadening Foam | 1 |
| 2.15 | E20184 | Sound Deadening Foam | 1 |
| 2.16 | E20183 | Sound Deadening Foam | 1 |
| 2.17 | E20182 | Sound Deadening Foam | 1 |
| 2.18 | E88289 | Gasket | 1 |

| Item# | Part # | Description | Qty. |
|--------|--------|--|------|
| 2.19 | E20064 | Support Bracket | 1 |
| 2.20 | E88291 | Vacuum Motor 36VDC 550W | 1 |
| 2.20.1 | E83897 | Connector, Electrical Housing 30A | 2 |
| 2.20.2 | E83883 | Lug, Electrical 30A | 2 |
| 2.20.3 | E83935 | Wire Tie | 2 |
| 2.20.4 | E20525 | Carbon Brush | 2 |
| 2.21 | E81006 | Vacuum Splash Guard | 1 |
| 2.22 | E20122 | Flat Washer M5 x 15 x 1.5 SS | 5 |
| 2.23 | E88290 | Hose, Vacuum | 1 |
| 2.24 | E20440 | Sound Deadening Foam | 1 |
| 2.25 | E83796 | Screw, Pan Hd Phil Self Tap M4.2x16 Zinc | 2 |
| 2.26 | E83838 | Screw, Flat Hd M4x15 Zinc | 2 |
| 2.27 | E20442 | Button Hd Soc Machine Screw M5x16 Zinc | 1 |
| 2.28 | E20084 | Hex Bolt M5x16 SS | 5 |
| 2.29 | E20712 | Magnet | 1 |
| 2.30 | E20192 | CHIPBOARD SCREW M3x12 Zinc | 1 |
| 3 | E20107 | Screw, Pan Hd Phil Self Tap M4.2x16 SS | 4 |
| 4 | E20298 | Soc Button Head Screw M5x16 SS | 1 |
| 5 | E22075 | Hook, Vac Lid Bale | 1 |
| 6 | E22076 | Screw, M4 x 10 | 2 |

SOLUTION DELIVERY DIAGRAM

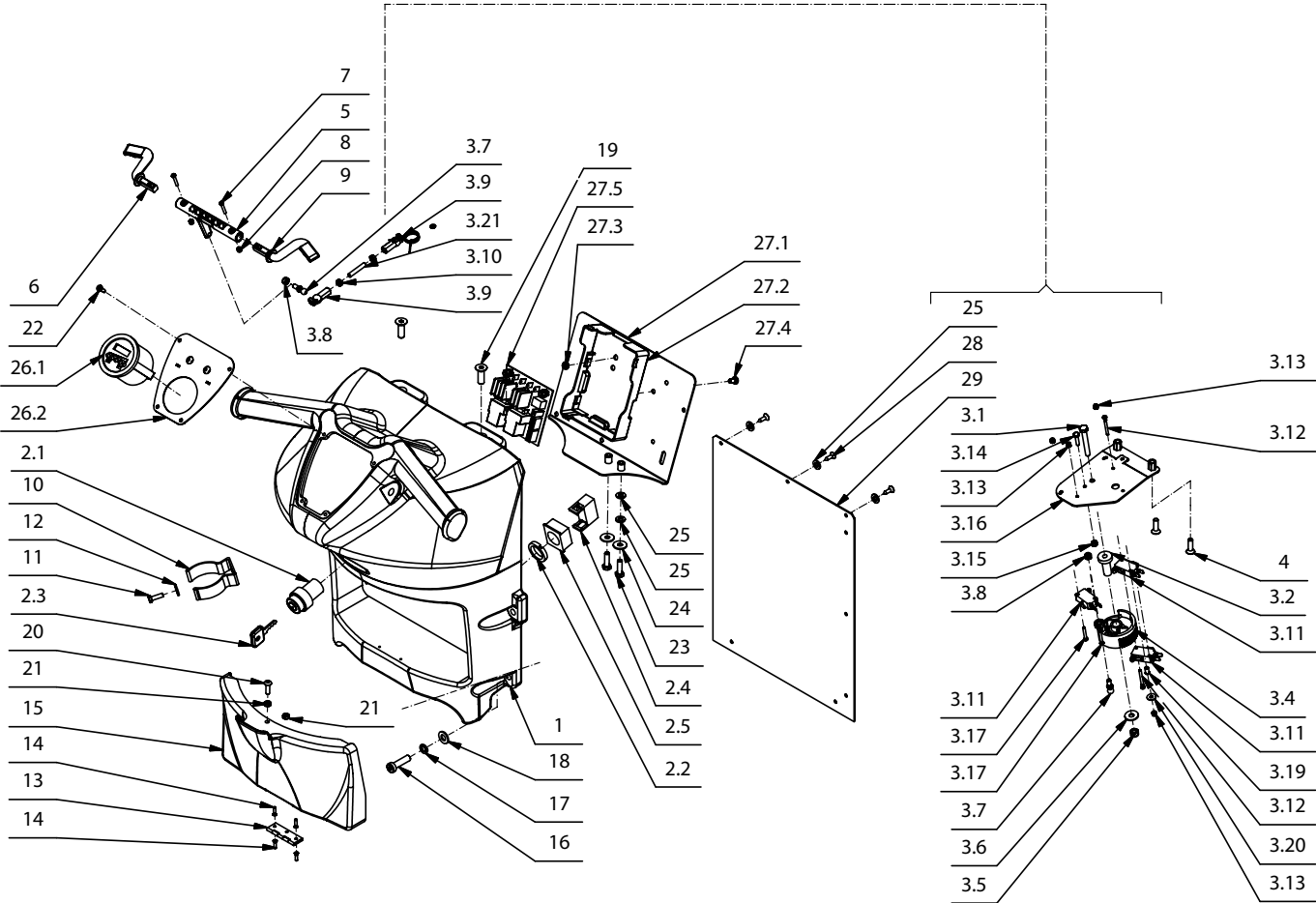


SOLUTION DELIVERY PARTS LISTING

| Item# | Part # | Description | Qty. |
|-------|--------|-----------------------|------|
| 1 | E81035 | Solenoid Valve | 1 |
| 2 | E85762 | Hose Clamp | 4 |
| 3 | E22144 | Tubing, 10 ID x 370 L | 1 |
| 4 | E20375 | Tubing, 10 ID x 650 L | 1 |

| Item# | Part # | Description | Qty. |
|-------|--------|------------------------------|------|
| 5 | E20602 | Fitting, Threaded Barb | 1 |
| 7 | E22145 | Fitting, 3/8" - 1/4" Reducer | 1 |
| 8 | E88829 | Fitting, 90 Degree Elbow | 1 |

HANDLEBAR DIAGRAM - BEFORE SERIAL NUMBER 214999999

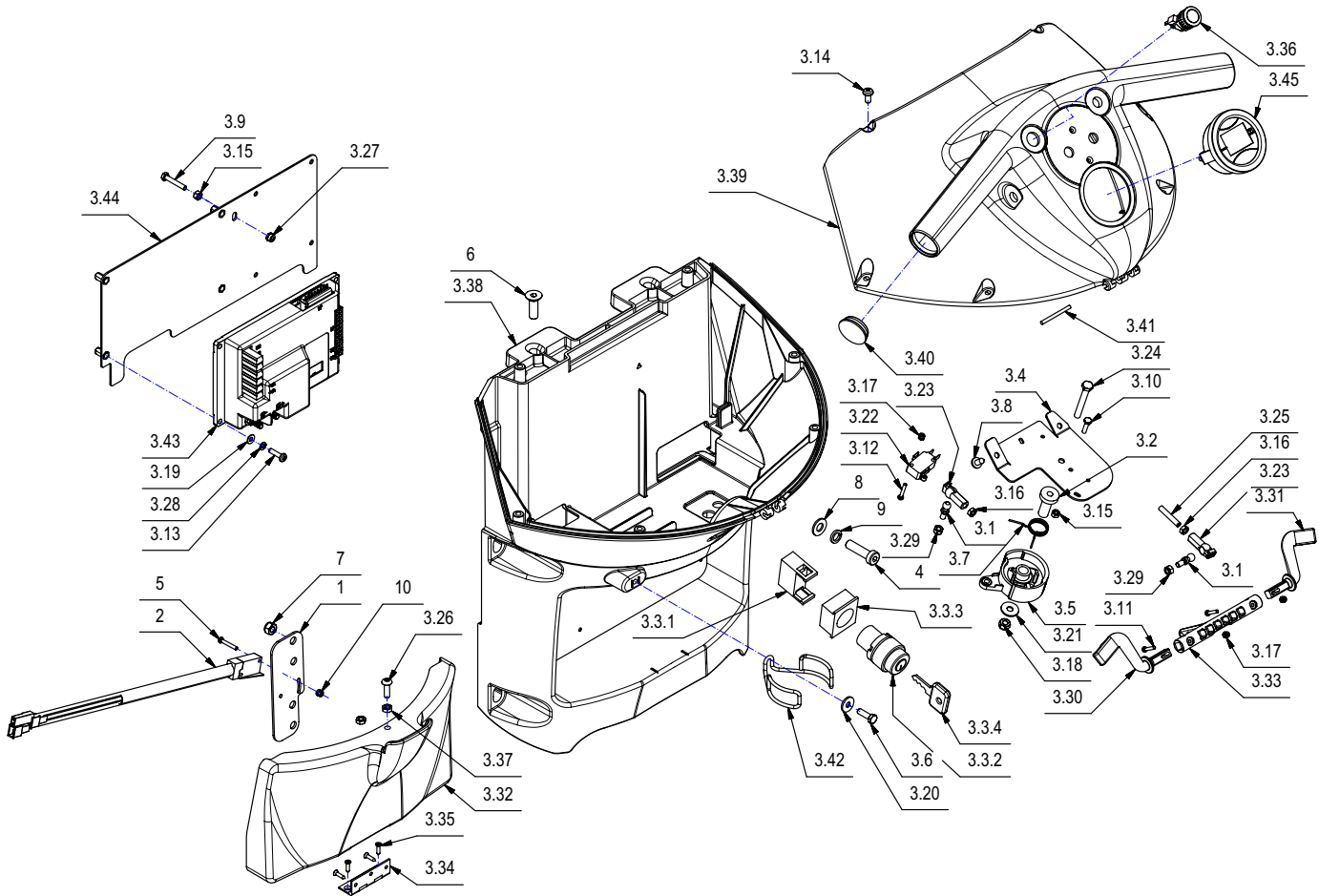


HANDLEBAR PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. |
|-------|--------|--|------|
| 1 | E20200 | Handlebar Housing | 1 |
| 2 | E82351 | Key switch | 1 |
| 2.1 | E83316 | Key Switch | 1 |
| 2.2 | E83316 | Key Switch | 1 |
| 2.3 | E83315 | Switch Key | 1 |
| 2.4 | E83173 | Key Switch Contact | 1 |
| 2.5 | E81358 | Switch Flange | 1 |
| 3 | E20223 | Drive Control | 1 |
| 3.1 | E20360 | Hex Bolt M6x45 Zinc | 1 |
| 3.2 | E81597 | Circuit Breaker 10 amp, 1/4" Tab Terminals | 1 |
| 3.3 | E88204 | Spring | 1 |
| 3.4 | E81763 | Cam | 1 |
| 3.5 | E83550 | NyLoc Hex Nut, M6 Zinc | 1 |
| 3.6 | E82798 | Washer, 6x18x1.5 | 1 |
| 3.7 | E20330 | Pin | 2 |
| 3.8 | E20382 | Nyloc Hex Nut, M5 x 5 Zinc | 2 |
| 3.9 | E81625 | Ball Stud Receiver | 2 |
| 3.10 | E82317 | Hex Jam Nut, M5X3.5 Zinc | 2 |
| 3.11 | E82270 | Micro Switch | 3 |

| Item# | Part # | Description | Qty. |
|-------|--------|--|------|
| 3.12 | E20243 | Pan Hd Phil Machine Screw M3x30 Zinc | 2 |
| 3.13 | E81673 | Hex Nyloc Nut, M3 Zinc | 4 |
| 3.14 | E20341 | Hex Bolt M4x16 Zinc | 1 |
| 3.15 | E20248 | Hex Nut, M4x4 Zinc | 1 |
| 3.16 | E20556 | Plate | 1 |
| 3.17 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 3 |
| 3.18 | E20367 | Hinge Bracket RH | 5 |
| 3.19 | E20466 | Insert | 1 |
| 3.20 | E83037 | Flat Washer M4x12x1.6 Zinc | 1 |
| 3.21 | E20362 | Set Screw Hex Soc Dog Point M5x30 Zinc | 1 |
| 4 | E20111 | Flat Hd Soc Machine Screw M6x20 Zinc | 2 |
| 5 | E88267 | Switch Cam | 1 |
| 6 | E88300 | Lever, Left Switch | 1 |
| 7 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 2 |
| 8 | E81673 | Hex Nyloc Nut, M3 Zinc | 2 |
| 9 | E88301 | Lever, Right Switch | 1 |
| 10 | E87296 | Drain Hose Clip | 1 |
| 11 | E83836 | Hex Bolt M5x16 Zinc | 1 |

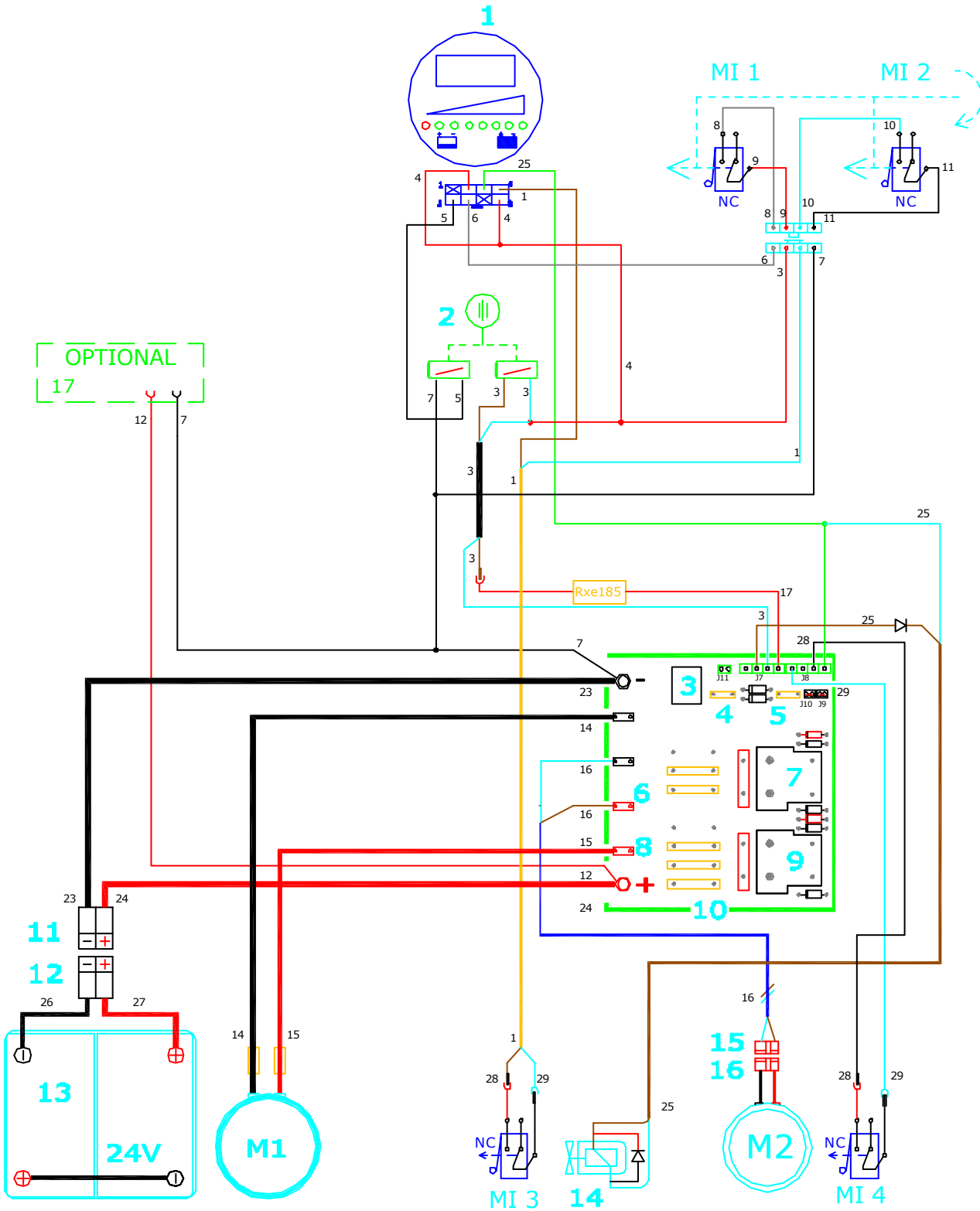
HANDLEBAR DIAGRAM - AFTER SERIAL NUMBER 215000000



HANDLEBAR PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. | Item# | Part # | Description | Qty. |
|-------|--------|--|------|-------|--------|--|------|
| 1 | E20473 | Switch Plate | 1 | 3.25 | E20362 | Set Screw Hex Soc Dog Point M5x30 Zinc | 1 |
| 2 | E88256 | Micro Switch | 1 | 3.26 | E20298 | Soc Button Head Screw M5x16 SS | 1 |
| 3.1 | E20330 | Ball Stud M10x22.5 | 2 | 3.27 | E81978 | Nut | 1 |
| 3.2 | E20574 | Bushing | 1 | 3.28 | E20475 | Lock Washer M4 Zinc | 4 |
| 3.3 | E82351 | Key Switch Assembly w/Keys | 1 | 3.29 | E82256 | Nyloc Hex Nut, M5x7 Zinc | 2 |
| 3.3.1 | E83173 | Contact, Key Switch | 1 | 3.3 | E88300 | Lever, Left Switch | 1 |
| 3.3.2 | E83316 | Key Switch | 1 | 3.31 | E88301 | Lever, Right Switch | 1 |
| 3.3.3 | E81358 | Switch Flange | 1 | 3.32 | E20267 | Door | 1 |
| 3.3.4 | E83315 | Switch Key (1) | 1 | 3.33 | E88267 | Switch Cam | 1 |
| 3.4 | E22079 | Plate, Electrical Panel | 1 | 3.34 | E20400 | Hinge | 1 |
| 3.5 | E81763 | Cam | 1 | 3.35 | E20192 | Screw, Chipboard, M3x12 Zinc | 4 |
| 3.6 | E83836 | Hex Bolt M5x16 Zinc | 1 | 3.36 | E84350 | Push Button | 1 |
| 3.7 | E82304 | Spring, 20.2x1.3x20.8mm Steel Torsion | 1 | 3.37 | E22619 | Nut | 2 |
| 3.8 | E83851 | Screw, Pan Hd Phil Self Tap, M5.5x13, SS | 2 | 3.38 | E22082 | Lower Handle Bar | 1 |
| 3.9 | E84348 | Screw, M4 x 25 Zinc | 1 | 3.39 | E22083 | Upper Handle Bar | 1 |
| 3.1 | E20341 | Hex Bolt M4x16 Zinc | 1 | 3.4 | E22084 | Cap, Handle Bar | 2 |
| 3.11 | E84349 | Bolt, M3 x 16 | 2 | 3.41 | E22085 | Hinge Pin | 1 |
| 3.12 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 2 | 3.42 | E22620 | Hose Clip | 1 |
| 3.13 | E20392 | Pan Hd Phil Machine Screw M4x16 Zinc | 4 | 3.43 | E84351 | Control Card | 1 |
| 3.14 | E83899 | Screw, Machine, Pan Hd Phil, M5x10, SS | 6 | 3.44 | E84352 | Plate | 1 |
| 3.15 | E20248 | Hex Nut, M4x4 Zinc | 2 | 3.45 | E84353 | Battery Discharge Indicator | 1 |
| 3.16 | E82317 | Hex Jam Nut, M5X3.5 Zinc | 2 | 4 | E20288 | Soc Hd Cap Screw M8x30 Zinc | 4 |
| 3.17 | E81673 | Nut, Hex Nyloc, M3 Zinc | 4 | 5 | E20242 | Pan Hd Phil Machine Screw M3x20 Zinc | 2 |
| 3.18 | E83550 | NyLoc Hex Nut, M6 Zinc | 1 | 6 | E20346 | Screw, Flat Hd Soc Machine, M8x25, SS | 2 |
| 3.19 | E20292 | Flat Washer M4x9x0.8 Zinc | 4 | 7 | E83550 | NyLoc Hex Nut, M6 Zinc | 2 |
| 3.2 | E20121 | Flat Washer M5x15x1.5 Zinc | 1 | 8 | E81874 | Flat Washer M8x17x1.6 Zinc | 4 |
| 3.21 | E88585 | Washer, Flat, M6 x 18, Zinc | 1 | 9 | E81046 | Lock Washer M8 Zinc | 4 |
| 3.22 | E82270 | Micro Switch | 1 | 10 | E20435 | Nyloc Hex Nut, M3 SS | 2 |
| 3.23 | E81625 | Shank, M5x32 Female Threaded Nylon | 2 | 11 | E89890 | Battery Cable w/ 80Amp Fuse | 1 |
| 3.24 | E20360 | Hex Bolt M6x45 Zinc | 1 | | | | |

ELECTRICAL DIAGRAM - BEFORE SERIAL NUMBER 214999999

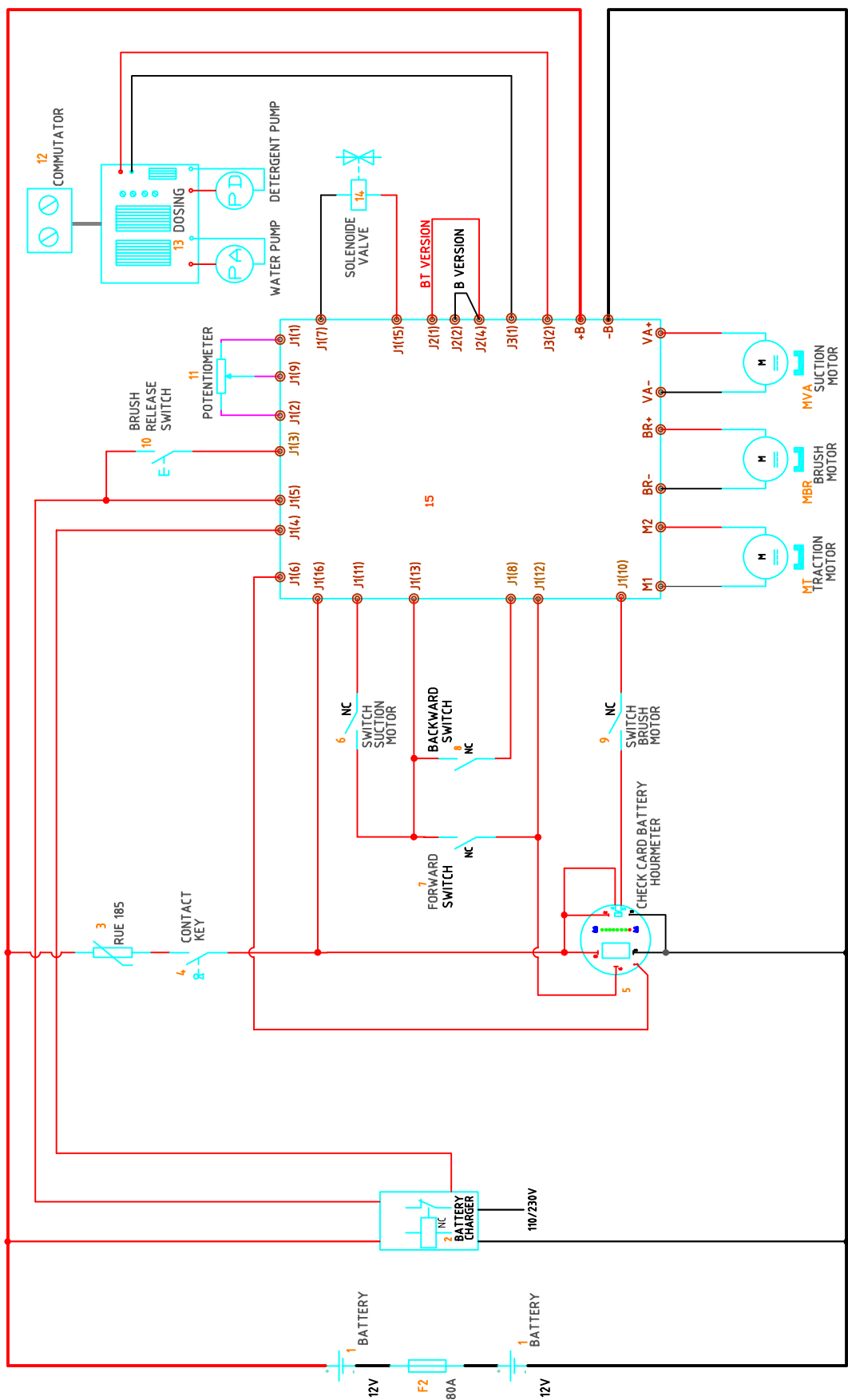


ELECTRICAL PARTS LISTING - BEFORE SERIAL NUMBER 214999999

| Item# | Part # | Description | Qty. |
|-------|--------|-------------------------------|------|
| 1 | E88293 | Hour Meter | |
| 2 | E82351 | Key Switch | |
| 10 | E88266 | Relay Card | |
| 11 | E86208 | SB50 Red Electrical Connector | |
| 14 | E82322 | Solenoid Valve | |
| 15 | E20402 | Electrical Connector 30A | |
| 16 | E20402 | Electrical Connector 30A | |

| Item# | Part # | Description | Qty. |
|-------|--------|-----------------------------|------|
| MI 1 | E82270 | Micro Switch | |
| MI 2 | E82270 | Micro Switch | |
| MI 3 | E88249 | Micro Switch | |
| MI 4 | E88249 | Micro Switch | |
| M1 | E88235 | Brush Gear Motor 24VDC 400W | |
| M2 | E88291 | Vacuum Motor 36VDC 550W | |

ELECTRICAL DIAGRAM - AFTER SERIAL NUMBER 215000000

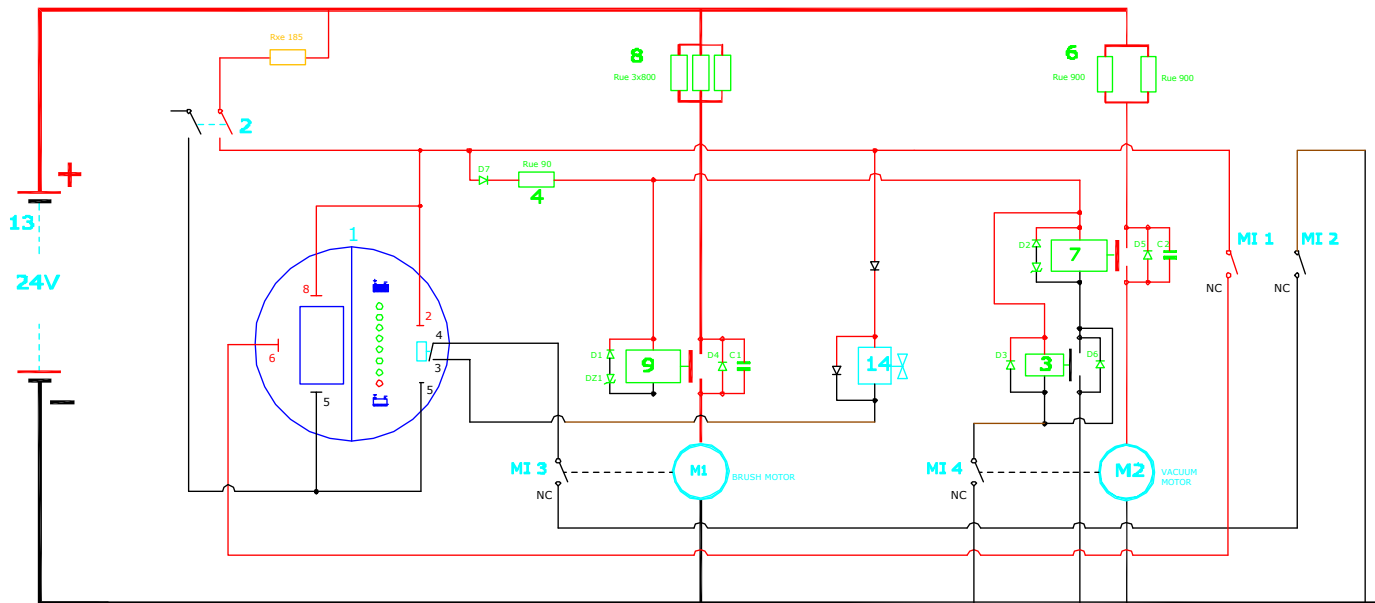


ELECTRICAL PARTS LISTING - AFTER SERIAL NUMBER 215000000

| Item# | Part # | Description | Qty. |
|-------|---------|-----------------------------|------|
| 1 | Various | Batteries | 2 |
| 2 | Various | Battery Charger | 1 |
| 3 | N/A | Fuse | 1 |
| 4 | E83316 | Key Switch | 1 |
| 5 | E84353 | Battery Discharge Indicator | 1 |
| 6 | E88279 | Microswitch Vacuum Motor | 1 |
| 7 | E82270 | Microswitch Forward | 1 |
| 8 | E82270 | Microswitch Reverse | 1 |
| 9 | E88256 | Microswitch Brush Motor | 1 |
| 10 | E84350 | Push Button | 1 |

| Item# | Part # | Description | Qty. |
|-------|--------|---|------|
| 11 | E20713 | Potentiometer | 1 |
| 12 | N/A | Dilution Control Commutator Card (Not Used) | 0 |
| 13 | N/A | Dilution Control Card (Not Used) | 0 |
| 14 | E81035 | Solenoid Valve | 1 |
| 15 | E84351 | Control Card | 1 |
| F2 | E89890 | Fuse 80A | 1 |
| MTE | E20582 | Traction Motor | 1 |
| MBR | E84328 | Brush Motor | 1 |
| MVA | E88291 | Vacuum Motor | 1 |

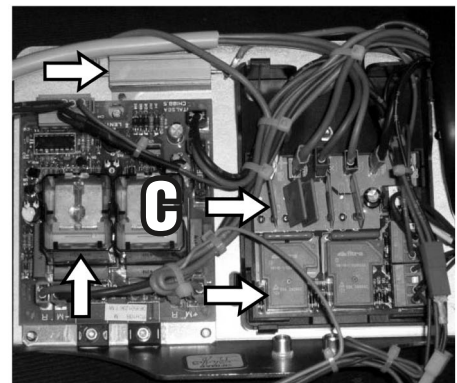
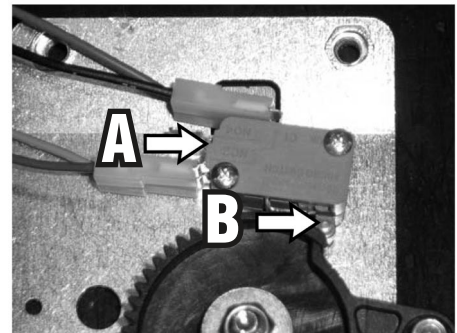
ELECTRICAL DIAGRAM - BEFORE SERIAL NUMBER 214999999



ELECTRICAL SYSTEM

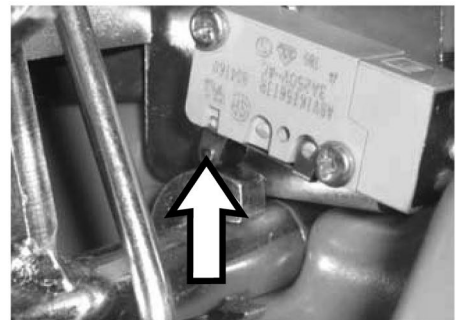
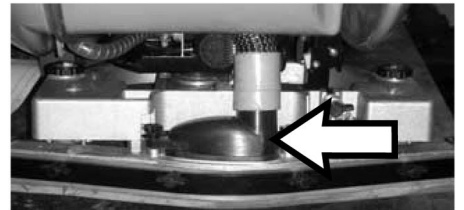
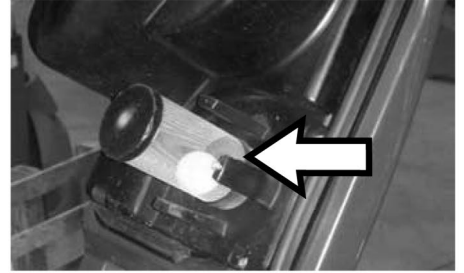
1. ELECTRIC HARNESS INSPECTION

- A. Verify the functionality and adjustment of the micro switches of the switch levers.
- B. Verify that the micro switches are pressed with the lever in rest position and that in that condition the micro switch lever has about 0.5 mm of movement.
- C. Verify the functionality and conditions of the power contactors of the self recovery fuses.



VACUUM SYSTEM INSPECTION

1. Verify the cleanliness and functionality of the **float filter**.
2. Check the air sealing of the **vacuum head** on the recovery tank.
3. Verify the connections and the sealing of the vacuum hoses and the squeegee hoses.
4. Check the sealing of the **squeegee hose adapter**.
5. Check the sealing of the exhaust hose and exhaust hose plug.
6. Vacuum micro switch adjustment:
Adjust the vacuum micro switch in way that when the cam on the squeegee lever **push the micro switch** there is about 0.5 mm of clearance of the micro switch lever.



BATTERY CHECK CARD/HOUR METER - BEFORE SERIAL NUMBER 214999999

1. Verify that when turning on the machine, the battery check card has the following starting sequence:
 - Turning on of the LED which correspond to the set-up (red LED = "0").
 - Turning on of all the LEDs (check of the lamps)
 - Turning on of the LEDs depending on the charge of the battery
2. Verify the hour meter functionality
 - To verify which is the set-up you simply need to turn on the machine and check which is the first LED that turns on. Counting the LEDs since the left side any LED correspond to a position and the LED which turn on correspond to the current set-up.

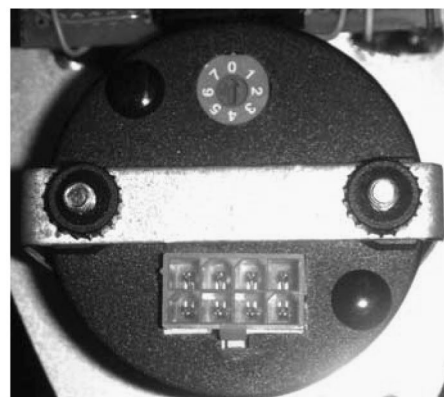
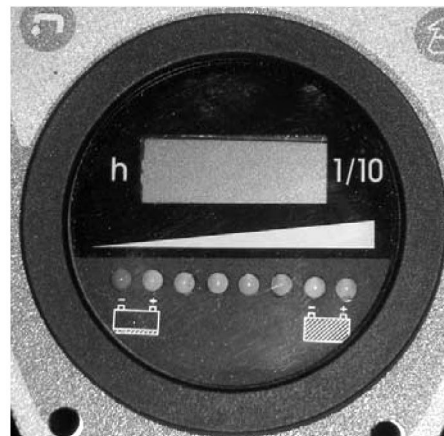
- Verify that if the machine uses wet cell batteries the adjustment is on position 1.



- Verify that if the machine uses GEL batteries the adjustment is on position 4.

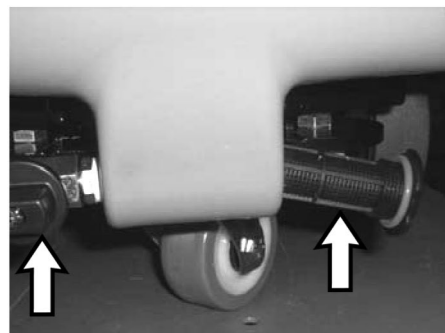


WARNING: A wrong set-up of the battery control card can compromise the battery efficiency and damage then in irreversible way.



SOLUTION TANK INSPECTIONS

1. Fill up the solution tank and look for leaks around the **solution valve** and the **drain plug**.
2. Verify that the water distribution on the floor is even and dependent on the solution valve adjustment.
3. Check the internal cleanness of the water valve.

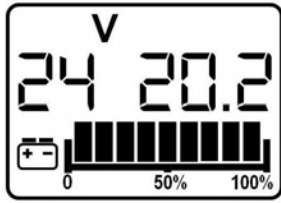


4. Verify the cleanness and functionality of the **solution filter** under the solution tank cap.

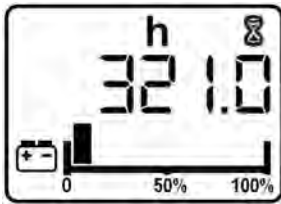


BATTERY CHECK CARD/HOUR METER - AFTER SERIAL NUMBER 215000000

1. Verify that when turning on the machine, the battery discharge indicator has the following starting sequence:



- For the first 2 seconds, display the setting of the dip switches.



- Then display the total worked hours and level of residual charge of the battery.

During the first 2 seconds, the value displayed on the left indicates the rated voltage set for the battery discharge indicator. The value on the right indicates the low voltage shutoff threshold.

For Wet Cell batteries, the low voltage shutoff should be equal to 20.2V.
For Gel or AGM batteries, the low voltage shutoff should be equal to 21.8V.

2. The battery discharge indicator should be adjusted according to the type of batteries that are installed in the machine. To change the settings, simply adjust the dip switches located on the back of the device.

The grid below shows the proper settings for each battery type.



Hour meter Dip Switch Settings

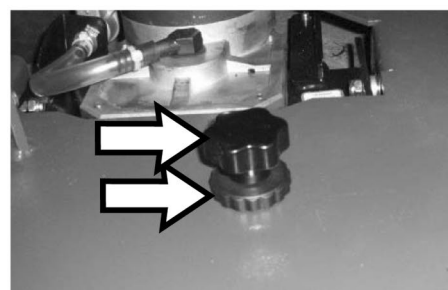
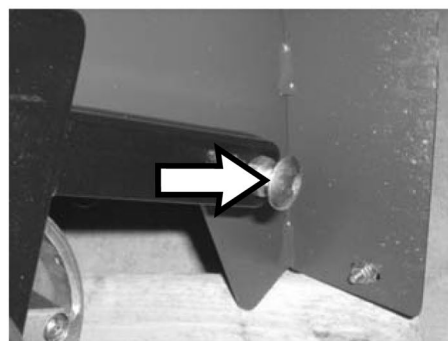
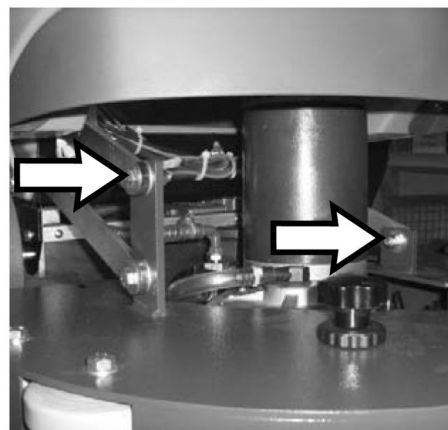
| 1 | 2 | 3 | 4 | 5 | 6 | Setup |
|-----|----|-----|-----|-----|-----|-----------|
| OFF | ON | OFF | OFF | OFF | OFF | Wet Cell |
| OFF | ON | ON | OFF | OFF | OFF | GEL / AGM |

BRUSH BASE ADJUSTMENT

1. Verify the right inclination of the brush deck.

To adjust the brush deck:

- A. Lower the brush deck on the floor with the brush.
 - B. **Loosen the M8 bolt and the M8 nut** that attach the brush deck to the left arm.
 - C. **Loosen the nut and the bolt** that attach the brush deck to the idler arm.
 - D. Verify that the brush deck correctly lays on the floor and the brush touch completely the floor.
 - E. **Tighten the nut and its M8 bolt** to lock the left arm of the brush deck.
 - F. Lift up the front side of the brush deck to let it be 5 mm from the floor as regards the back side.
 - G. **Tighten the M8 nut** to secure the brush deck in this position.
- H. Check that the **pan head screw** on the back side is adjusted near the flat part of the brush. The distance between the screw head and the brush has to be 1 - 2 mm when the brush is locked and the brush deck is lowered.

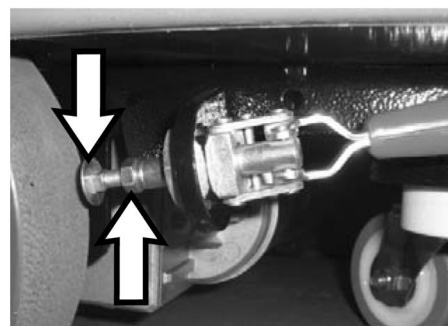


2. In the machines without traction:

- A. Loose the **ring nut**.
- B. Adjust the **knob** to let the brush in working condition help the machine in going forward. (**Tighten** to increase the traction effect, **loosen** to decrease the traction effect).
- C. When the right adjustment is reached, tighten the **ring nut**.

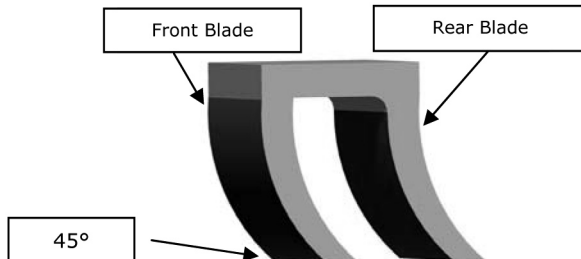
BRAKE ADJUSTMENT

- 1. Verify that the brake on the left hand wheel blocks the wheel when activated.
- 2. Otherwise act as follow:
 - A. Unscrew the **jam nut**.
 - B. Loosen the **pad screw** to achieve the right adjustment.
 - C. Verify the adjustment with a functional test.
 - D. Tighten the **jam nut** to assure a right adjustment.

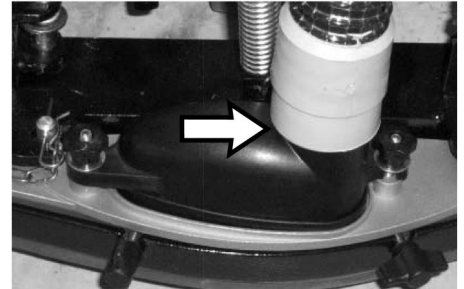
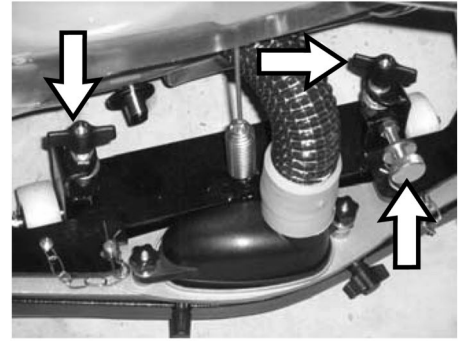


SQUEEGEE ADJUSTMENT

1. Adjust the inclination adjuster of the squeegee blade until the blade has a common inclination over it's entire length.
2. Adjust the height of the wheels using the knob checking that the blade has an inclination between 30 and 45 degrees.



3. Verify the cleanliness and sealing of the squeegee hose adapter.



CHECK LIST

Functional check of the machine

- ☐ Check the functionality of switches.
- ☐ Check the functionality of the accelerator lever.
- ☐ Check the functionality of the brush deck.
- ☐ Check the functionality of the brush motor.
- ☐ Check the functionality of the solenoid valve.
- ☐ Check the functionality of the vacuum motor.
- ☐ Check the functionality of the brakes.
- ☐ Check the functionality of batteries and power cables.


Functional test of the machine

- ☐ Fill up the tanks completely and verify the sealing.
- ☐ Verify the sealing of all the water plant and that the water is equal on the brush.
- ☐ Adjust the inclination and the height of the squeegee blades doing a functional test.
- ☐ Adjust the inclination of the brush deck and do a functional test.
- ☐ Check the efficiency of the parking brake.

Final test

- ☐ Check all the functions: washing, drying and movement.

MAINTENANCE SCHEDULE

| | Stealth ASD20B | | RECOMMENDED SERVICE INTERVALS (HOURS) | | | | |
|---|---|-------|---------------------------------------|----------------|----------------|----------------|------------------|
| | | DAILY | 50 | 100 | 200 | 400 | 1,000 |
| BATTERIES | Check water level add if necessary | DAILY | | | | | |
| | Check cables, connections and plugs | | 50 | | | | 1,800 |
| | Check cleanliness of machine battery tray | | | | 200 | | |
| ELECTRIC | Check tightness of electric contacts and fuses | | 50 | | | | |
| | Check state of electric cables crossing the machine | | | | | 400 | |
| SOLUTION TANK | Check cleanliness of solution filter | DAILY | | | | 400 | |
| | Check water valves and hoses to the brush head | | 50 | | | | |
| | Check all water connection from the tank to the brushes | | | | 200 | | |
| RECOVERY TANK | Check cleanliness of the tank | DAILY | | | | | |
| | Check filter and float system | DAILY | | | | | |
| | Check vacuum and drain hoses | DAILY | | | | | 1,800 |
| | Check vacuum gasket and drain hoses plugs | | | 100 | | | |
| BRUSH HEAD | Check spraying guard and right brush inclination | | 50 | | | 400 | |
| | Check state of bearings | | | | | 400 | 1,800 |
| | Check brush attachments | | | | 200 | | |
| | Check wear of rotating brushes | | 50 | | 200 | | |
| BRUSH MOTOR | Check cleanliness of air cooling inlet | | | 100 | | | |
| | Check carbon brushes | | | | | 400 | 1,800 |
| | Check amp draw and noise level | | | | | | 1,000 |
| VACUUM MOTOR | Check noise level and cleanliness of the inlet hose | | 50 | | | | |
| | Check carbon brushes | | | | 200 | 400 | |
| | Check vacuum performance, replace if necessary | | | | | | 1,800 |
| SQUEEGEE | Check cleanliness of the squeegee blades and shoe | DAILY | | | | | |
| | Check wear of rear squeegee blade | | 50 | 100 | | | |
| | Check wear of front squeegee blade | | | 100 | 200 | | |
| | Check squeegee structure and machine support | | | 100 | | | |
| | Check lever and lifting cable | | | | | 400 | |
| Suggested replacement  | | | | | | | |

WEAR ITEMS LISTING

Wear Items - Before Serial Number 214999999

| Part # | Description |
|--------|---|
| E88268 | Pad Driver |
| E88330 | Brush, General Purpose 20" 0.3mm |
| E88269 | Brush, Medium Duty 20" 0.55mm |
| E88270 | Brush, Heavy Duty 20" 0.7mm |
| E88271 | Brush, Stripping Grit 20" 1.2mm |
| E88272 | Brush Deck Splash Guard |
| E86169 | Band Clamp |
| E83909 | Front Squeegee Blade, Polyurethane 30" x 1-3/4" x 1/8" |
| E12686 | Wiping Squeegee Blade, Gum Rubber 30 3/4" x 1 3/4" x 1/8" |
| E88276 | Wiping Squeegee Blade, Polyurethane 30 3/4" x 1 3/4" x 1/8" |
| E12560 | Support Blade, Polyurethane 30 3/4" x 1 3/4" x 1/8" |
| E11767 | Battery 12V 130AH Wet |
| E88030 | Battery 12V 110AH AGM |
| E86276 | Battery 12V 115AH Wet |

Wear Items - After Serial Number 215000000

| Part # | Description |
|--------|----------------------------------|
| E82320 | Pad Driver |
| E83033 | Brush, General Purpose 20" 0.3mm |
| E83034 | Brush, Medium Duty 20" 0.55mm |
| E83035 | Brush, Heavy Duty 20" 0.7mm |
| E82633 | Brush, Stripping Grit 20" 1.2mm |
| E22637 | Squeegee Blade Kit, 31" |
| E84277 | Squeegee Blade Kit, Poly, 31" |
| E84278 | Squeegee Blade Kit, Latex, 31" |
| E11767 | Battery 12V 130AH Wet |
| E88030 | Battery 12V 110AH AGM |
| E86276 | Battery 12V 115AH Wet |

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.

- PowerUp™ 14 Upright Vacuum: #E29990-00
- Bac Pac Lite Vacuum: #85903-00
- FiberPRO® Floor Dryer: #85507-00
- WORKMAN™ Series Vacuums: #85024-00, #85025-00, #83012-00, #85027-00
- 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 180 mile round trip at 50 cents per mile will be allowed for warranty consideration.

Propane Machine Warranty:

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).

