



**Diamapro®**  
SYSTEMS

## **OWNER'S MANUAL**

# **SVX3+A**

## **INDUSTRIAL VACUUM**



## **USER & MAINTENANCE BOOK**

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE



# WARRANTY REGISTRATION CARD

Form must be completed and submitted within 30 days from the date of purchase.

## Customer Information

First and Last Name

Company Name

Address

City

State

Zip Code

Phone Number

Email

## Machine Information

Machine Type

Machine Model

Serial #

Purchase Date (dd/mm/yy)

Diamapro Systems®  
3343 Peachtree Road NE  
Suite 145 #24  
Atlanta, GA 30326

470-977-2323 ■ [www.diamaprosystems.com](http://www.diamaprosystems.com) ■ [info@diamaprosystems.com](mailto:info@diamaprosystems.com)

## 1. INTRODUCTION

Thank you for purchasing a DIAMAPRO® SYSTEMS product. This manual provides information and procedures to safely operate and maintain the DiamaPro® SVX3+A. For your own safety and protection from injury, carefully read, understand, and observe the safety instructions described in this manual. Keep this manual or a copy of it with the machine. If you lose this manual or need an additional copy, please contact DiamaPro® Systems. This machine is designed and built with user safety in mind; however, it can present hazards if improperly operated and serviced. Please follow the operating instructions carefully. If there are any questions regarding operating or servicing of this machine, please contact DiamaPro® Systems.

Disclaimer: DiamaPro® Systems and its affiliates take no responsibility for any damage, injury or death resulting from the incorrect or unsafe use of this product. Use of this product should be undertaken by competent persons only. It is the operator's responsibility to ensure that the following safety procedures are followed. If you are unsure, do not operate this product.



IT IS NECESSARY THAT THE AUTHORIZED PERSONNEL AND MACHINE OPERATOR HAVE READ AND UNDERSTOOD THE MANUAL BEFORE USING THE MACHINE.

## 2. WARRANTY

DiamaPro® SVX model vacuums are warranted to be free from manufacturing defects in normal service for a period of one or two years from the date of purchase by the original consumer purchaser. Component manufacturers offer separate warranty periods. Call 470-977-2323 for complete information.

DiamaPro® System's obligation under this warranty is expressly limited to the replacement of such part or parts as inspection shall disclose to have been defective.

This warranty does not apply to defects caused by damage, unreasonable use, faulty repairs made by others or defects caused by failure to provide reasonable maintenance.

Further, the warranty is void if the product, or any of its components, is altered or modified by the consumer or if the product is used in an inappropriate manner or with equipment not recommended by the manufacturer.

Wear items are not covered under warranty: examples include: belts, wheels, casters, bearings, cart wheels, filters, wear pads, spark plugs, hoses, wands and squeegees, motors, etc.

To qualify for warranty coverage, DiamaPro® SVX vacuums must be registered within 30 days of purchase. Registration can be completed online at [www.DiamaProSystems.com](http://www.DiamaProSystems.com).

To request your warranty service you MUST send a written request to:

*DiamaPro® Systems  
P.O. Box 19946  
Charlotte, NC, 28219*

including the manufacturing details that can be found on a plate fitted inside your machine together with a copy of the invoice.

The warranty is invalid under the following conditions:

- Improper use of the machine or total or partial failure to comply with the contents of this manual
- Any part of the vacuum cleaner is altered or modified in any way
- Incorrect electrical installation
- If the laws in the country of use are not respected
- Inadequate maintenance
- The machine has not undergone routine maintenance as specified in this manual
- Use of spare parts that are not produced by DiamaPro® or not specifically indicated for the model in use
- Partial or total failure to comply with the instructions given in this manual

## 3. UNINTENDED USE

- Do not use the machine for sucking up liquid material
- Do not use the machine or expose the machine to water, rain, or rain like environments
- Do not use the machine with improper extension cords or extension cords of improper length

## 4. MACHINE DATA

### 4.1 TECHNICAL DATA PLATE

Every DiamaPro® machine carries a registration plate showing essential details that are necessary when contacting the supplier/manufacturer for advice, suggestions or information on spare parts. The following details are included on the plate:

- Manufacturer
- Model
- Supply voltage
- Installed rated power
- CE symbol (built in compliance with Machinery Directive 2006/42/EEC)

### 4.2 SAFETY DEVICE

The vacuum cleaner has been manufactured in compliance with all legal standards for the operator's safety.

- All metal components are grounded to eliminate shock or electrostatic discharge, including the flexible suction hose that is properly grounded. Also in this regard the choice of a suitable flexible suction hose allows to eliminate this risk on the hose length that goes from the use area to the vacuum cleaner.
- The brakes fitted onto the anterior pivoting casters safely fix the machine in its place of use where there may be a risk of movement due to uneven floor surfaces or other particular working conditions.



BEFORE USING THE MACHINE CHECK THAT THE MACHINE HAS NOT SUFFERED ANY SHOCKS OR DAMAGES DURING THE TRANSPORT THAT CAN AFFECT THE OPERATION OF THE ABOVE DEVICES

## 5. PERFORMANCE TOLERANCES

The performance of the machine may vary based upon environmental factors such as temperature, air pressure, humidity, etc.

## CALIFORNIA PROP 65 WARNING

Thank you for purchasing a DIAMAPRO® SYSTEMS product. This manual provides information and procedures to safely operate and maintain the DiamoPro® SVX3+A. For your own safety and protection from injury, carefully read, understand, and observe the safety instructions described in this manual. Keep this manual or a copy of it with the machine. If you lose this manual or need an additional copy, please contact DiamoPro® Systems. This machine is designed and built with user safety in mind; however, it can present hazards if improperly operated and serviced. Please follow the operating instructions carefully. If there are any questions regarding operating or servicing of this machine, please contact DiamoPro® Systems.



**THIS PRODUCT CONTAINS LEAD, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**



**THIS PRODUCT CONTAINS ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**



**EXHAUST GASES FROM THIS PRODUCT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**

### DUST WARNING

Cutting, especially when DRY cutting, generates dust that comes from the material being cut, which frequently contains silica.

When dry cutting, be sure to use a HEPA filtered dust collector. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Exposure to excessive amount of such dust can cause:

- Respiratory diseases (affecting your ability to breath), including chronic bronchitis, silicosis and pulmonary fibrosis from exposure to silica. These diseases may be fatal;
- Skin irritation and rash; and
- Cancer according to NTP\* and IARC\*

\*National Toxicology Program, International Agency for Research on Cancer

Take precautionary steps

- Avoid inhalation of and skin contact with dust, mist and fumes;
- Wet cut when feasible, to minimize dust;
- Wear and ensure that all bystanders wear appropriate respiratory protection such as dust masks designed to filter out microscopic particles. (See OSHA 29 CFR Part 1910.1200)

## CALIFORNIA PROP 65 WARNING

Use of this product can cause exposure to materials known to the State of California to cause cancer and/or birth defects or other reproductive harm.

## 6. SAFETY PROVISIONS

- Carefully read the instructions in this manual before starting, using, servicing or operating the vacuum cleaner
- Check that the vacuum cleaner hasn't been damaged in any way
- Never turn on the machine if it is faulty or if you suspect it is faulty
- Check that the switch isn't worn or damaged
- Do not approach the suction intake of the machine with unfastened or broken garments that could easily be sucked into the machine
- Check that the filters are present and efficient
- Make sure that the filters are installed correctly and in full working order, always observing the regulations in force in the workplace
- Do not carry out repairs without the manufacturer's authorization
- Never use gasoline, solvents or other flammable liquids for cleaning; only proper detergents should be used for cleaning
- Never move the machine by pulling the power cable or flexible hose
- Never direct the opening of the machine or the flexible tube towards people or animals
- Protect the machine from the rain
- Check that the machine is connected to a power source with the correct voltage indicated on the registration plate
- Make sure that the power cable has no wear or damage. If replacing the cable, always replace it with another of the same specifications as the original one: cables that are not approved or of inferior quality may overheat and cause serious injury to the user
- Make sure that the machine is connected to an appropriate power source in full working order (check the presence of a fully functional grounding socket)
- Repairs must only be carried out by authorized personnel and only when the machine is turned off and disconnected from the power source
- Never allow unauthorized personnel to use the machine
- Make sure that all safety devices are in full working order before turning on the machine
- Never cover the vacuum cleaner during use

## 7. INSTALLATION

### 7.1 DELIVERY AND HANDLING

All machines are carefully tested and checked by DiamoPro before delivery. The machine is transported inside a protective box or wrapped in a protective film that allows the courier to see the item during transport and is securely fixed to a pallet. If any part of the machine is not intact or has been damaged during transport, file an immediate complaint with the courier. Parts that have been damaged or broken due to incorrect transport or handling of the machine will not be recognized by the manufacturer's warranty. The machine must be lifted and moved using a forklift truck in accordance with the relevant safety regulations in force in the workplace

### 7.2 CHECK THE PROPER ELECTRICAL CONNECTION

Connect the industrial plug to the power cable and connect the plug to a socket that has the same amp rating and is protected by a line-isolating switch.

## 8. PERIODICAL MAINTENANCE

Maintenance and cleaning operations must ALWAYS be carried out when the vacuum is turned off and disconnected from the power source. No particular measures must be taken for the maintenance, cleaning or lubrication of the suction unit. However, it is important to remember that correct use and servicing are essential if the safety and efficiency of the vacuum are to be guaranteed.

To ensure regular and constant operation and to prevent the warranty from becoming void, always use genuine DiamoPro spare parts when repairs are needed.

### 8.1 BEFORE TURNING ON AND TURNING OFF EVERY DAY

- Visually check that the suction hose has not been damaged in any way (it must not be damaged, torn, crushed)
- Check that the electrical switches are in full working order and are not damaged in any way
- Check the level of waste inside the main barrel N.B. Empty the main barrel if you are using an DiamoPro model empty the main barrel
- Check that the suction hose has not been damaged in any way
- Check that the motor head is correctly positioned on the filter chamber and that the latter is correctly placed on the main barrel
- If the vacuum cleaner is moved, ensure that the power voltage of the play in this new location corresponds to the one on the technical data plate

### 8.2 AT EVERY 50 HOURS OF OPERATION

- Check the condition of the primary filter: it must not have tears, holes or other damage: in this case replace it (see 14.)
- Check that the technical data plate is legible and not damaged in any way: contact the manufacturer for a replacement if necessary

## 9. PRODUCT DISPOSAL

Dispose of the machine and any accessories according to the legislation of the state/country. To avoid affecting the environment or your health or the health of others it is recommended to separate the machine from other waste, and if necessary properly recycle it.

## 10. DESCRIPTION



1. SUCTION UNIT
2. ON-OFF SWITCH
3. AUTO FILTER PURGE FREQUENCY DIAL
4. CHECK FILTER INDICATOR LIGHT
5. FORCED FILTER PURGE BUTTON
6. ACCESSORIES CONNECTION
7. WHEELS WITH BRAKE
8. INFINITY BAG

## 11. USING THE VACUUM CLEANER

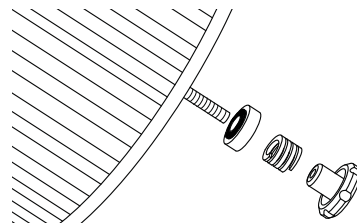
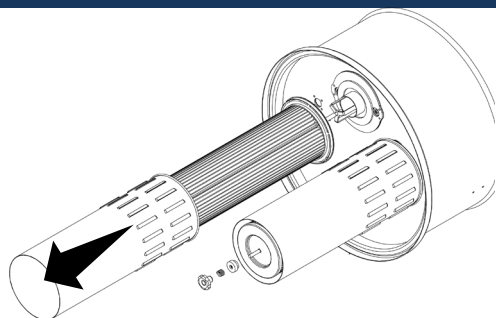


Before switching ON the vacuum be sure the container is empty



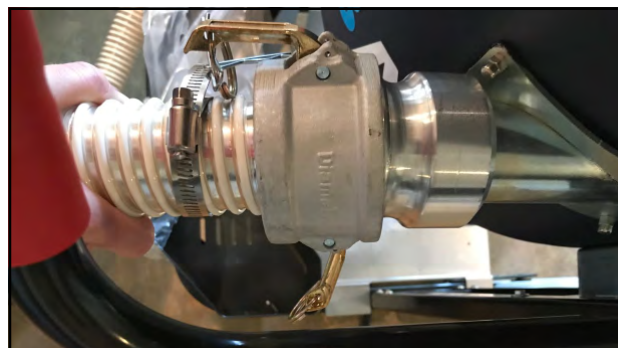
|                                                                  |                                                         |
|------------------------------------------------------------------|---------------------------------------------------------|
| <p><b>1</b></p> <p>I - 3 Motors switch ON<br/>O - Switch OFF</p> | <p><b>2</b></p> <p>Push for forced filters cleaning</p> |
| <p><b>3</b></p> <p>Adjust Dial for Filter Purge Interval</p>     | <p><b>4</b></p> <p>Check Filter Indicator Light</p>     |
| <p><b>5</b></p> <p>Socket (220V ONLY)</p>                        |                                                         |

## 12. FILTER REPLACEMENT



1. Disconnect and lift the head.
2. Remove the filter's cylindrical steel protection (unscrewing the screws on the edge)
3. Unscrew the wing nut and remove the spring and washer
4. Replace the filter with a proper one for the vacuum cleaner in use
5. Install the new filter according to the label on the bottom of the filter
  - Washer with rubber part facing the base of the filter
  - Spring
  - Plastic wing nut
6. Mount the cylindrical protection, then reconnect the head on the filtering chamber

## 13. MOUNTING OF PARTS



Connect one end of the flexible hose to desired accessory and the other with the camlock mounted on the filter chamber. (Sew accessories pg.)

## 14. COLLECTION BAG USE

The dust and the particles are collected in a bag placed in the container under the hopper.

The Infinity Bag system consists in a plastic tubular from which are obtained 20/30 bags of different weights and dimensions. Once finished or damaged, the tubular must be replaced by a new refill. The operations below described must be carried out when machine is turned off.



1 - Close the bag with two distanced bands.



2 - Cut the strip between the two bands.



3 - Pull the Infinity Bag end to make a new bag.

## 15. BAG REPLACEMENT



1- Cut the Infinity Bag in order to let it open.



2- Pull and rotate the retaining pins of the Infinity bag container in order to unfasten them.



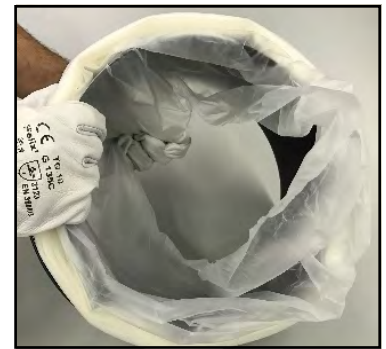
3- Remove the Infinity Bag container and any waste.



4- Insert the new Infinity Bag with the inner part facing upwards.



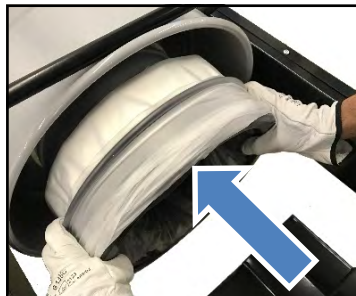
5- Cut and remove the Infinity Bag closing bands.



6- Keep the inner part of the bag inside the container and pull it up to the lower edge.



7- Pull the outer part of the bag to create a new one.



8- Insert the container with the Infinity Bag.



9- Pull and rotate the retaining pins and insert them into their seats.



10- Pull the bag and place at the edge the band to create a new one. If necessary use two bands.

## 16. TROUBLESHOOTING

To help solve any problem that may occur

### Motors do not start.

- ▶ No electrical voltage.
- ▶ Check cables, plugs and socket.

### Suction capacity decreases slowly.

- ▶ Filter, nozzle, suction hose or suction pipe may be blocked.
- ▶ Check, clean accessories. Clean filter.

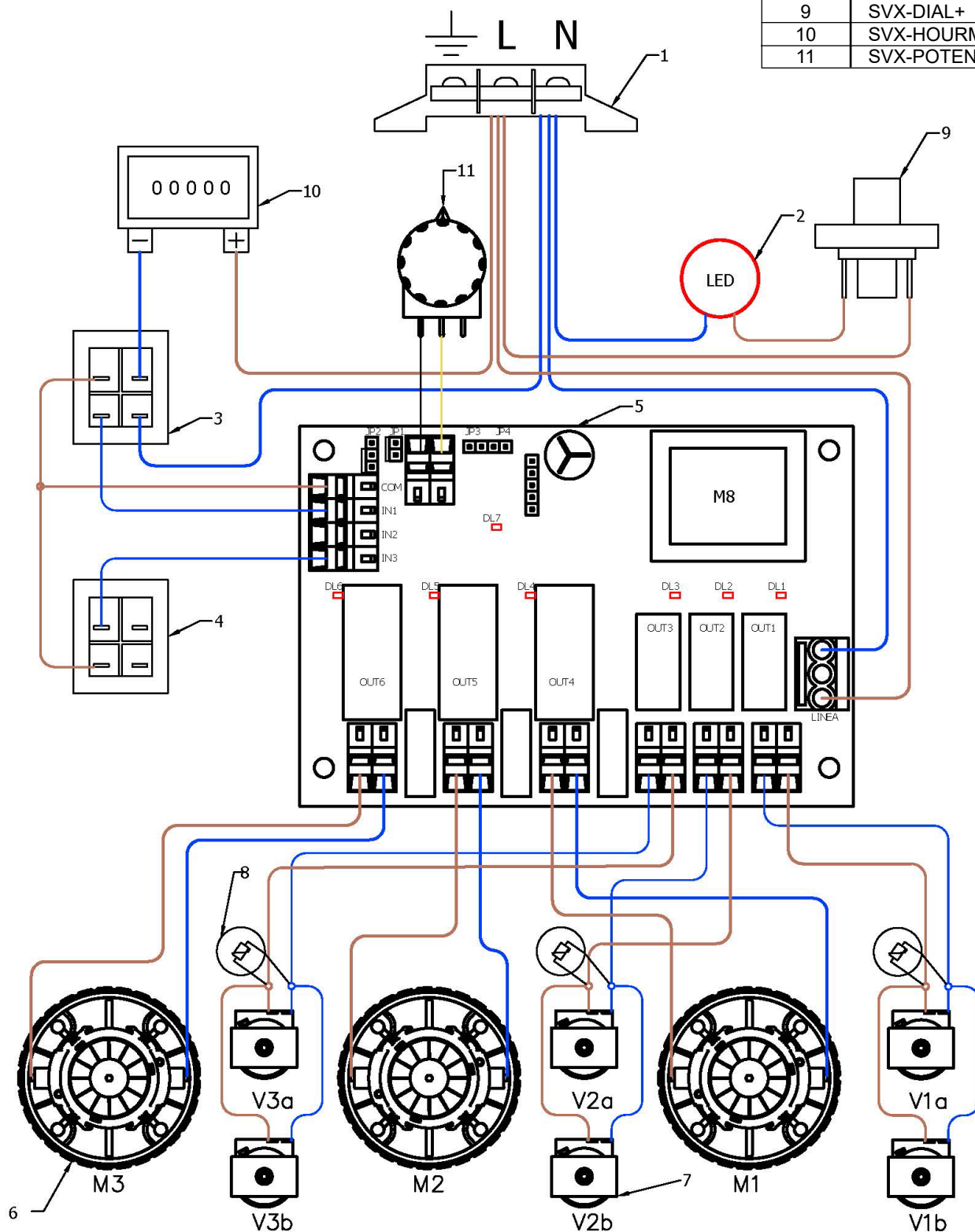
### Dust comes out during the vacuuming.

- ▶ Filter has not been fastened correctly or is defective.
- ▶ Check to see if filter is sitting properly; replace if required.

## 17. ELECTRICAL DIAGRAMS

### SVX3+A 110V WIRING DIAGRAM

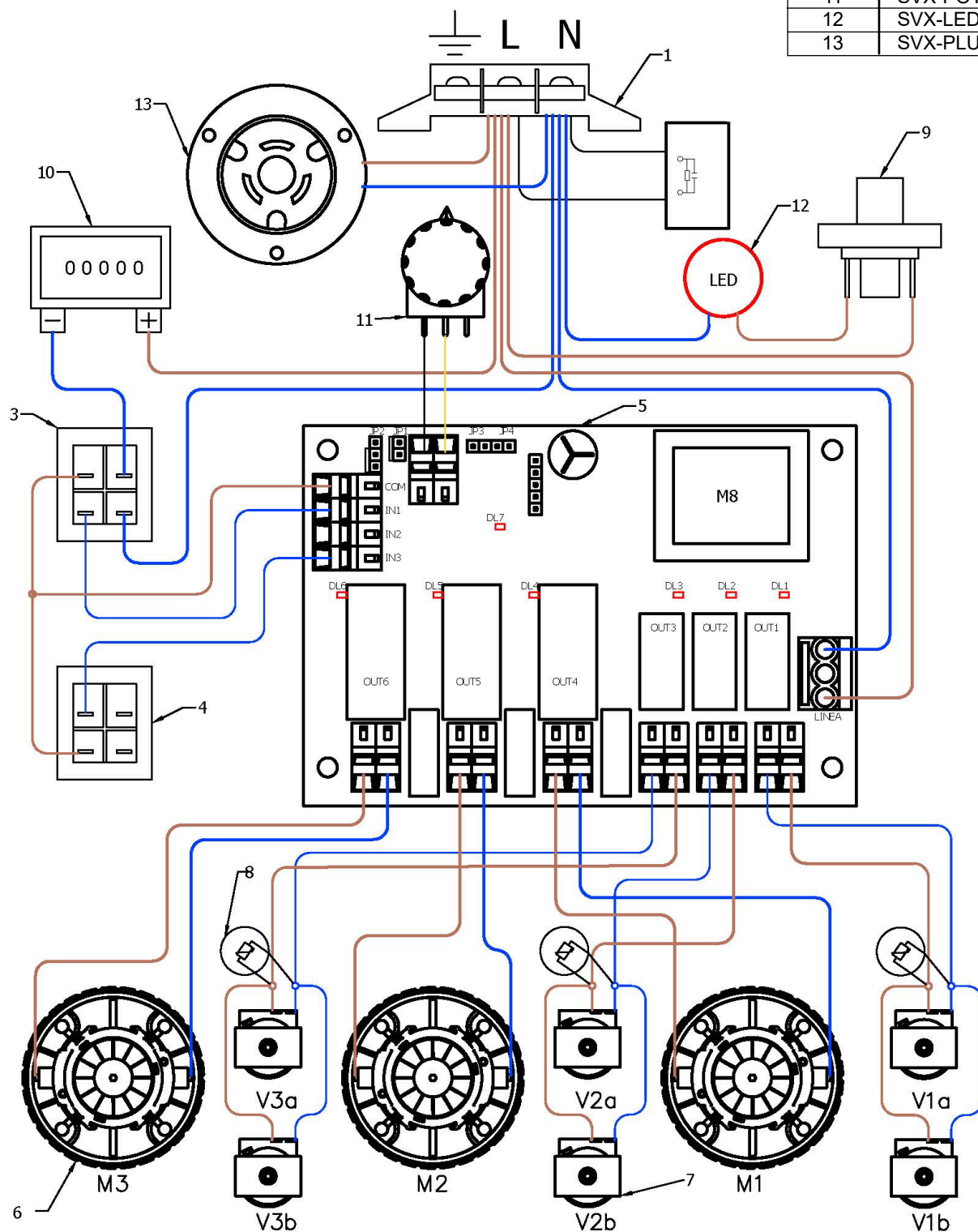
| No. | Part No.           |
|-----|--------------------|
| 1   | SVX-RTBSK          |
| 2   | SVX-LED+           |
| 3   | SVX-SWITCH ON/OFF  |
| 4   | SVX-SWITCH-PURGE   |
| 5   | SVX-BOARD-110V     |
| 6   | SVX-MOTOR-110V     |
| 7   | SVX-SHAKER-120V    |
| 8   | SVX-DIODE          |
| 9   | SVX-DIAL+          |
| 10  | SVX-HOURLMETER+    |
| 11  | SVX-POTENTIOMETER+ |



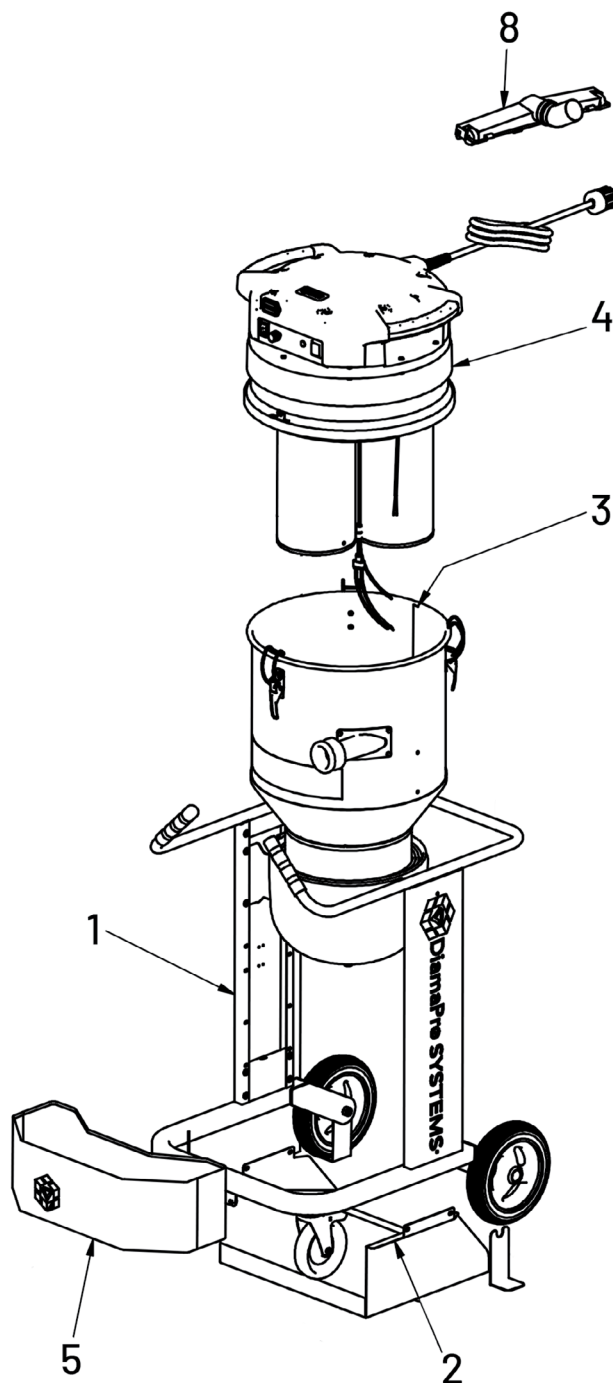
## 17. ELECTRICAL DIAGRAMS

### SVX3-A 220V WIRING DIAGRAM

| No. | Part No.           |
|-----|--------------------|
| 1   | SVX-RTBSK          |
| 3   | SVX-SWITCH ON/OFF  |
| 4   | SVX-SWITCH-PURGE   |
| 5   | SVX-BOARD-230V     |
| 6   | SVX-MOTOR-230V     |
| 7   | SVX-SHAKER-230V    |
| 8   | SVX-DIODE          |
| 9   | SVX-DIAL+          |
| 10  | SVX-HOURLMETER+    |
| 11  | SVX-POTENTIOMETER+ |
| 12  | SVX-LED+           |
| 13  | SVX-PLUG-220       |

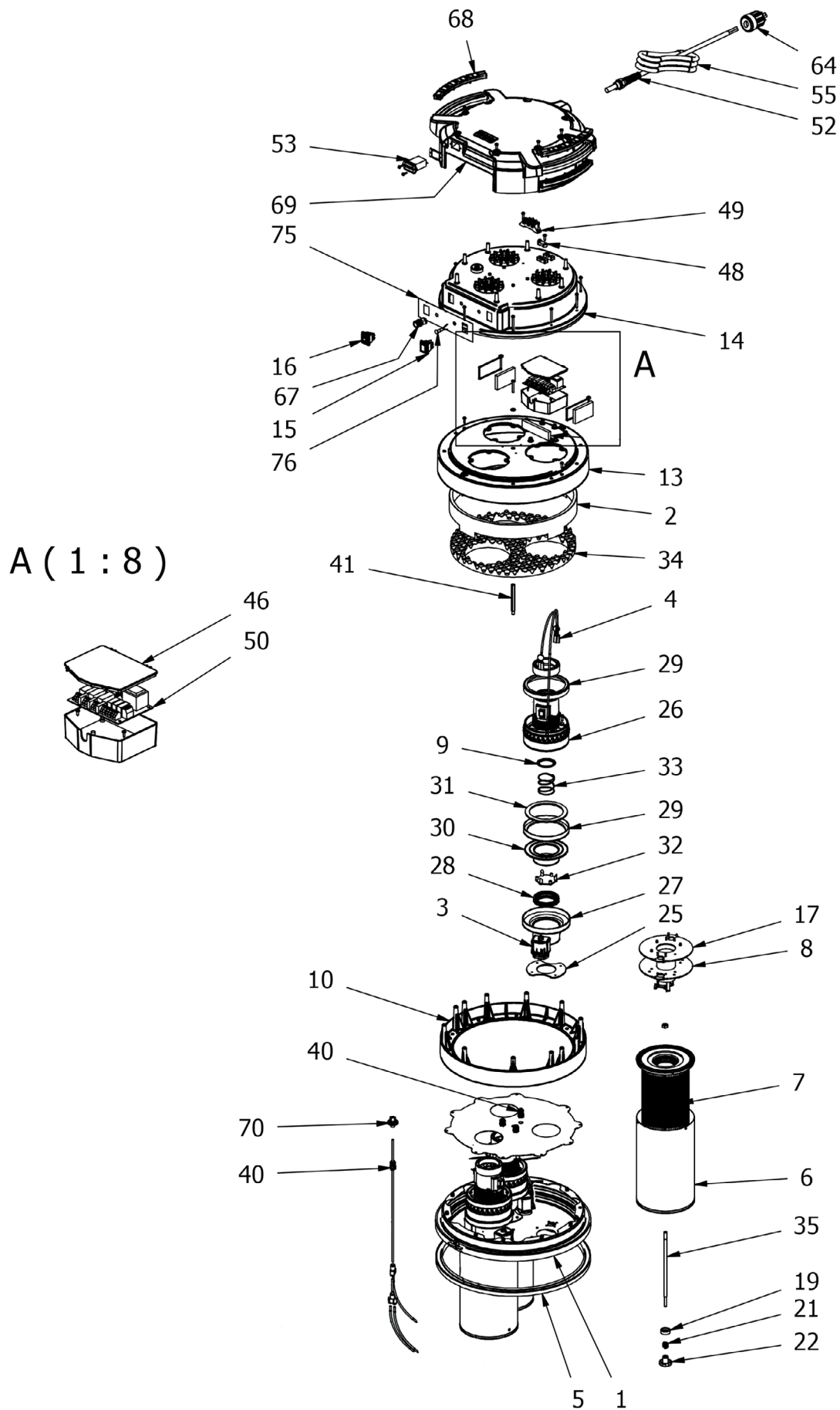


## 18. UNIT OVERVIEW - 110V



| ITEM NO. | PART NUMBER       | DESCRIPTION                        | QTY. |
|----------|-------------------|------------------------------------|------|
| 1        | SVX-SIDEFRAAME-A  | SIDE FRAME (AUTOMATIC MODELS ONLY) | 1    |
| 2        | SVX-BAGHOLDER-3A  | INFINITY BAG BASE FOR 3A(+) UNITS  | 1    |
| 3        | SVX-HOPPER-3A     | BLUE HOPPER FOR SVX3A(+)           | 1    |
| 4        | SVX3A+TOPASSEMBLY | SVX3+A TOP ASSEMBLY                | 1    |
| 5        | SVX-TROLLEY-3A    | TROLLEY FOR SVX3A                  | 1    |
| 8        | SVX-FLOORTOOL-2   | WET/DRY PLASTIC FLOOR TOOL         | 1    |

## 19. TOP ASSEMBLY - 110V

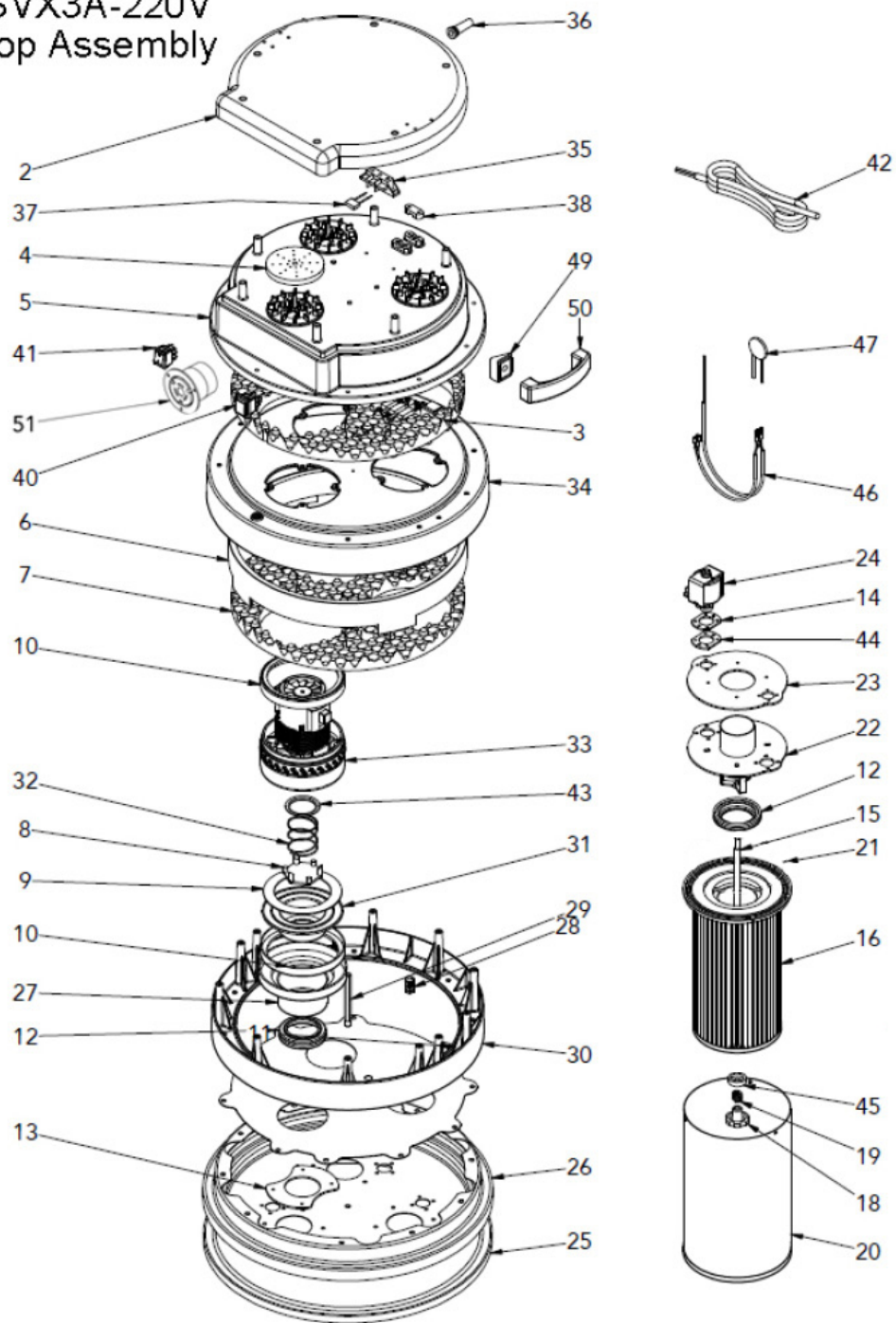


## 19. TOP ASSEMBLY - 110V

| ITEM NO. | PART NUMBER             | DESCRIPTION                                      | QTY. |
|----------|-------------------------|--------------------------------------------------|------|
| 1        | SVX-BC3M                | BASE COVER SVX3A                                 | 1    |
| 2        | SVX-SPRS                | SOUND PROOFING RING STRIP                        | 1    |
| 3        | SVX-SHAKER-120V         | SHAKER 120V 60HZ                                 | 6    |
| 4        | SVX-SHAKER-POWER-CABLE  | SHAKER POWER CABLE                               | 3    |
| 5        | SVX-GASKET3A-460        | SUCTION HEAD GASKET FOR SVX3A & TVX MODELS       | 1    |
| 6        | SVX-FIL-PROTECTION      | FILTER HOUSING FOR 3A(+)                         | 3    |
| 7        | SVX-3A+HEPA             | SVX3A+ HEPA FILTER                               | 3    |
| 8        | SVX-SUCT-MANI-CLEAN     | SUCTION MANIFOLD ICLEAN                          | 3    |
| 9        | SVX-RING-FITTING-A      | RING FITTING (FOR AUTOMATIC MODELS ONLY)         | 3    |
| 10       | SVX-FOAMHOLDER-3A       | FOAM HOLDER (SVX3A ONLY)                         | 1    |
| 13       | SVX-MR3A                | MOTOR RETAINER (BOTTOM) SVX3A                    | 1    |
| 14       | SVX-HC3A                | HEAD COVER (MIDDLE)                              | 1    |
| 15       | SVX-SWITCH-PURGE        | PURGE SWITCH (FOR AUTOMATIC MODELS ONLY)         | 1    |
| 16       | SVX-SWITCH-ON/OFF       | 16 AMP SWITCH WITH CUFFS (1 FOR AUTOMATIC UNIT)  | 1    |
| 17       | SVX-SUCT-MANI-GASKET    | SUCTION MANIFOLD GASKET                          | 3    |
| 19       | SVX-ZPSRS-A             | ZINC PLATED SEALING RING                         | 3    |
| 21       | SVX-FIL-PRESS-SPRING    | FILTER PRESSURE SPRING                           | 3    |
| 22       | SVX-KNOB-STOPPER        | PLASTIC KNOB FILTER STOPPER                      | 3    |
| 25       | SVX-SM-FLANGE           | SUCTION MANIFOLD FLANGE                          | 3    |
| 26       | SVX-MOTOR-110V          | MOTOR 110V                                       | 3    |
| 27       | SVX-MHOLDER-AUTO        | MOTOR HOLDER (AUTOMATIC MODELS ONLY)             | 3    |
| 28       | SVX-CABLE-BUSHING       | CABLE BUSHING                                    | 3    |
| 29       | SVX-GASKET              | GASKET                                           | 6    |
| 30       | SVX-MVH                 | MOTOR VALVE HOLDER                               | 3    |
| 31       | SVX-SW-135X109X4        | VALVE HOLDER SPONGE                              | 3    |
| 32       | SVX-VM-BYPASS           | VALVE MOTOR BYPASS                               | 3    |
| 33       | SVX-VAL-SPRING          | VALVE SPRING                                     | 3    |
| 34       | SVX-SPS3A               | SOUND PROOFING SPONGE (FOR SVX3A)                | 1    |
| 35       | SVX-HOLDER-3A-HEPA      | FILTER SHAFT HOLDER 3A(+)                        | 3    |
| 40       | SVX-CABLEGLAND-PG7      | CABLE GLAND WITH TIGHTENING NUT AUTOMATIC ONLY   | 4    |
| 41       | SVX-M8X95               | CENTAL SPACER                                    | 1    |
| 46       | SVX-MOTHERBOARD-HOUSING | PLASTIC MOTHERBOARD HOUSING FOR AUTOMATIC UNITS. | 1    |
| 48       | SVX-CABLE-STOPPER       | CABLE STOPPER (ALL MODELS)                       | 1    |
| 49       | SVX-RTBSK               | RED TERMINAL BLOCK WITH SCREW                    | 1    |
| 50       | SVX-BOARD-110V          | MOTHERBOARD (AUTOMATIC MODELS ONLY)              | 1    |
| 52       | SVX-CABLEGLAND-110V     | CABLE GLAND FOR 110V AUTOMATIC UNITS             | 1    |
| 53       | SVX-HOUR-METER          | HOUR METER FOR SVX UNITS                         | 1    |
| 55       | SVX-CABLE-3GX10         | CABLE *110 Machines*                             | 1    |
| 64       | SVX-PLUGEND             | 20AMP PLUG - END OF CORD                         | 1    |
| 67       | SVX-POTENTIOMETER+      | COMPLETE POTENTIOMETER                           | 1    |
| 68       | SVX-RED-HANDLE+         | RED HANDLE PLUS MODELS                           | 4    |
| 69       | SVX-3A-UPPERCOVER+      | UPPER COVER 3 MOTORS WITH HANDLES                | 1    |
| 70       | SVX-DIAL+               | DEPRESSION SWITCH                                | 1    |
| 75       | SVX-3A-FRONT-PANEL+     | FRONT PANEL STICKER FOR SVX3+A                   | 1    |
| 76       | SVX-LED+                | RED LED LIGHT                                    | 1    |

## 20. TOP ASSEMBLY - 220V

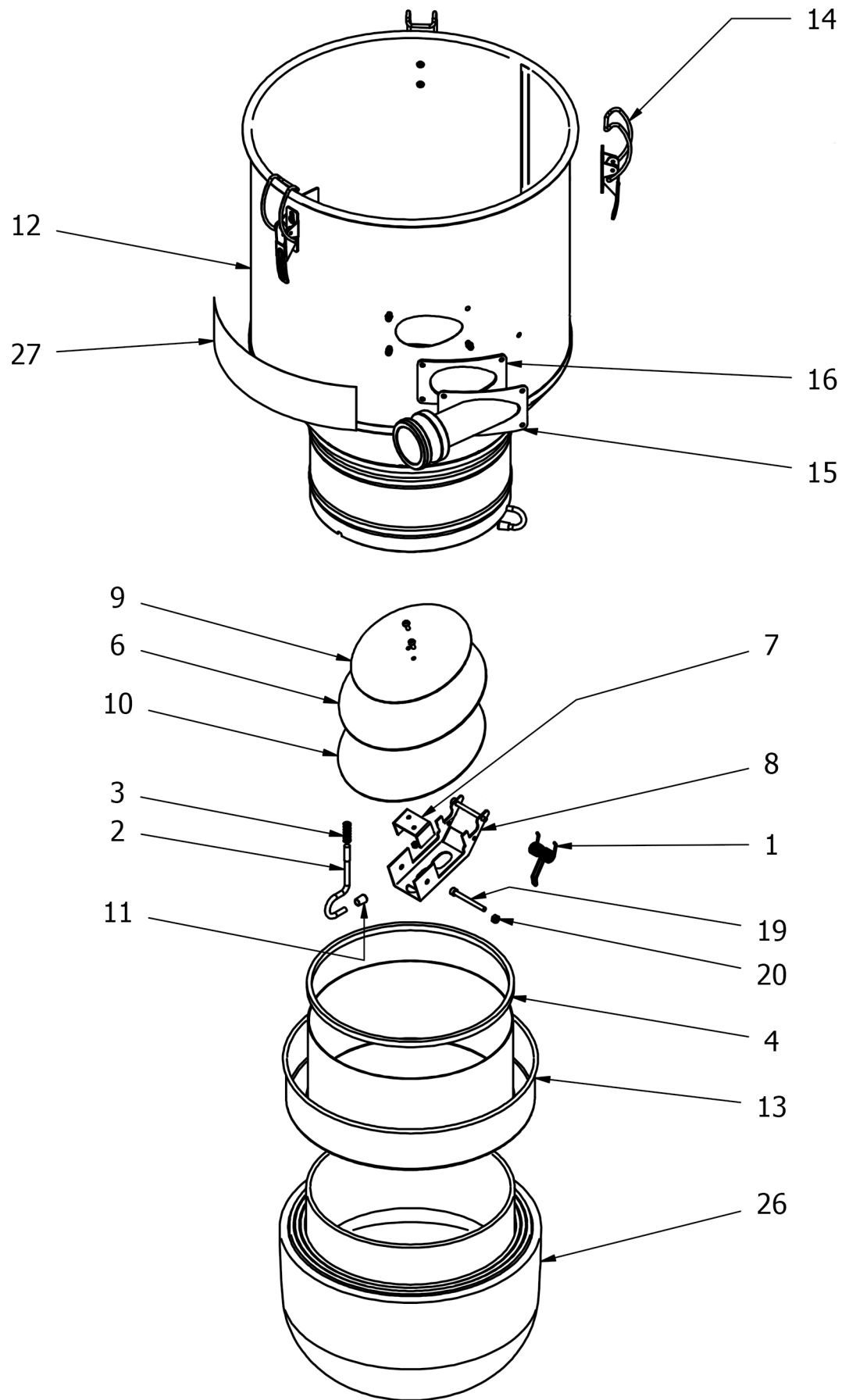
SVX3A-220V  
Top Assembly



## 20. TOP ASSEMBLY - 220V

| ITEM NO. | PART NUMBER          | DESCRIPTION                                                                   | QTY.    |
|----------|----------------------|-------------------------------------------------------------------------------|---------|
| 2        | SVX-UHC3A            | UPPER HEAD COVER (TOP) SVX3A                                                  | 1       |
| 3        | SVX-BOARD-230        | ELECTRONIC BOARD 230V                                                         | 1       |
| 4        | SVX-SPR              | SOUND PROOFING RING 60 D:100X10 (FOR AUTOMATIC MODELS ONLY)                   | 3       |
| 5        | SVX-HC3A-220V        | HEAD COVER (MIDDLE) SVX3A 220                                                 | 1       |
| 6        | SVX-SPRS             | SOUND PROOFING RING STRIP 50X10X1250                                          | 1       |
| 7        | SVX-SPS3A            | SOUND PROOFING SPONGE (FOR SVX3A)                                             | 1       |
| 8        | SVX-VM-BY-PASS       | VALVE MOTOR BY-PASS                                                           | 3       |
| 9        | SVX-SW-135X109X4     | VALVE HOLDER SPONGE (FOR SVX3A)                                               | 3       |
| 10       | SVX-GASKET           | GASKET L                                                                      | 6       |
| 11       | SVX-SPH3A            | SOUND PROOFING HOLDER 3 MOTORS COVER                                          | 1       |
| 12       | SVX-CABLE-BUSHING    | CABLE BUSHING 60                                                              | 3       |
| 13       | SVX-SM-FLANGE        | SUCTION MANIFOLD FLANGE (AUTOMATIC MODELS ONLY)                               | 3       |
| 14       | SVX-WASHER-6HA1      | WASHER (AUTOMATIC MODELS ONLY)                                                | 6       |
| 15       | SVX-HOLDER-3A-HEPA   | FILTER HOLDER SHAFT (SVX3A ONLY)                                              | 3       |
| 16       | SVX-3A-HEPA          | HEPA FILTER - (FOR SVX3-A ONLY, 3 PER UNIT)                                   | 3       |
| 18       | SVX-KNOB-STOPPER     | PLASTIC KNOB FILTER STOPPER                                                   | 3       |
| 19       | SVX-FIL-PRESS-SPRING | FILTER PRESSURE SPRING                                                        | 3       |
| 20       | SVX-FIL-PROTECTION   | FILTER PROTECTION 150 H 285                                                   | 3       |
| 22       | SVX-SUCT-MANI-CLEAN  | SUCTION MANIFOLD                                                              | 3       |
| 23       | SVX-SUCT-MANI-GASKET | SUCTION MANIFOLD GASKET                                                       | 3       |
| 24       | SVX-SHAKER-230V      | SHAKER 230V 50HZ                                                              | 6       |
| 25       | SVX-GASKET3A-460     | SUCTION HEAD GASKET (FOR SVX3A & TVX MODELS)                                  | 1       |
| 26       | SVX-BC3M             | BASE COVER SVX3A                                                              | 1       |
| 27       | SVX-MHOLDER-AUTO     | MOTOR HOLDER (FOR AUTOMATIC MODELS)                                           | 3       |
| 28       | SVX-CABLEGLAND-PG7   | CABLE GLAND WITH TIGHTENING NUT (AUTOMATIC ONLY)                              | 3       |
| 29       | SVX-M8X95            | CENTRAL SPACER (FOR SVX3A)                                                    | 1       |
| 30       | SVX-FOAMHOLDER-3A    | FOAM HOLDER (FOR SVX3A)                                                       | 1       |
| 31       | SVX-MVH              | MOTOR VALVE HOLDER                                                            | 3       |
| 32       | SVX-VAL-SPRING       | VALVE SPRING                                                                  | 3       |
| 33       | SVX-MOTOR-230        | MOTOR                                                                         | 3       |
| 34       | SVX-MR3A             | MOTOR RETAINER (BOTTOM) SVX3A                                                 | 1       |
| 35       | SVX-RTBS             | RED TERMINAL BLOCK SCREW                                                      | 1       |
| 36       | SVX-CABLEGLAND-220V  | CABLE GLAND                                                                   | 1       |
| 37       | SVX-FILMCAPACITOR-A  | FILM CAPACITOR (FOR AUTOMATIC MODELS ONLY)                                    | 1       |
| 38       | SVX-CABLESTOPPER     | CABLE STOPPER (ALL MODELS)                                                    | 1       |
| 40       | SVX-SWITCH-PURGE     | PUSH BUTTON SWITCH WITH CUFF (FOR SVX3-A & SVX2-A, 1 PER UNIT)                | 1       |
| 41       | SVX-SWITCH-ON/OFF    | 16 AMP SWITCH WITH CUFFS (1 FOR AUTOMATIC UNIT / 2 FOR SVX2-M / 3 FOR SVX3-M) | 1       |
| 42       | SVX-CABLE-3GX6       | CABLE                                                                         | 1 (33') |
| 43       | SVX-RINGFITTING-A    | RING FITTING (FOR AUTOMATIC MODELS ONLY)                                      | 3       |
| 44       | SVX-WASHER-6HA2      | WASHER (AUTOMATIC MODELS ONLY)                                                | 6       |
| 45       | SVX-ZPSRS-A          | ZINC PLATED SEALING RING STRUT                                                | 3       |
| 46       | SVX-VPW-3A           | VIBRATOR POWER WIRE (FOR SVX3A)                                               | 3       |
| 47       | SVX-S14K250          | VARISTOR (AUTOMATIC MODELS ONLY)                                              | 3       |
| 49       | SVX-HFB-A            | HANDLE FIXING BRACKET (FOR AUTOMATIC MODELS ONLY)                             | 4       |
| 50       | SVX-HANDLE-RED-A     | RED HANDLE (FOR AUTOMATIC MODELS ONLY)                                        | 2       |
| 51       | SVX-PLUG-220         | 50AMP DISTRIBUTION BOX                                                        | 1       |

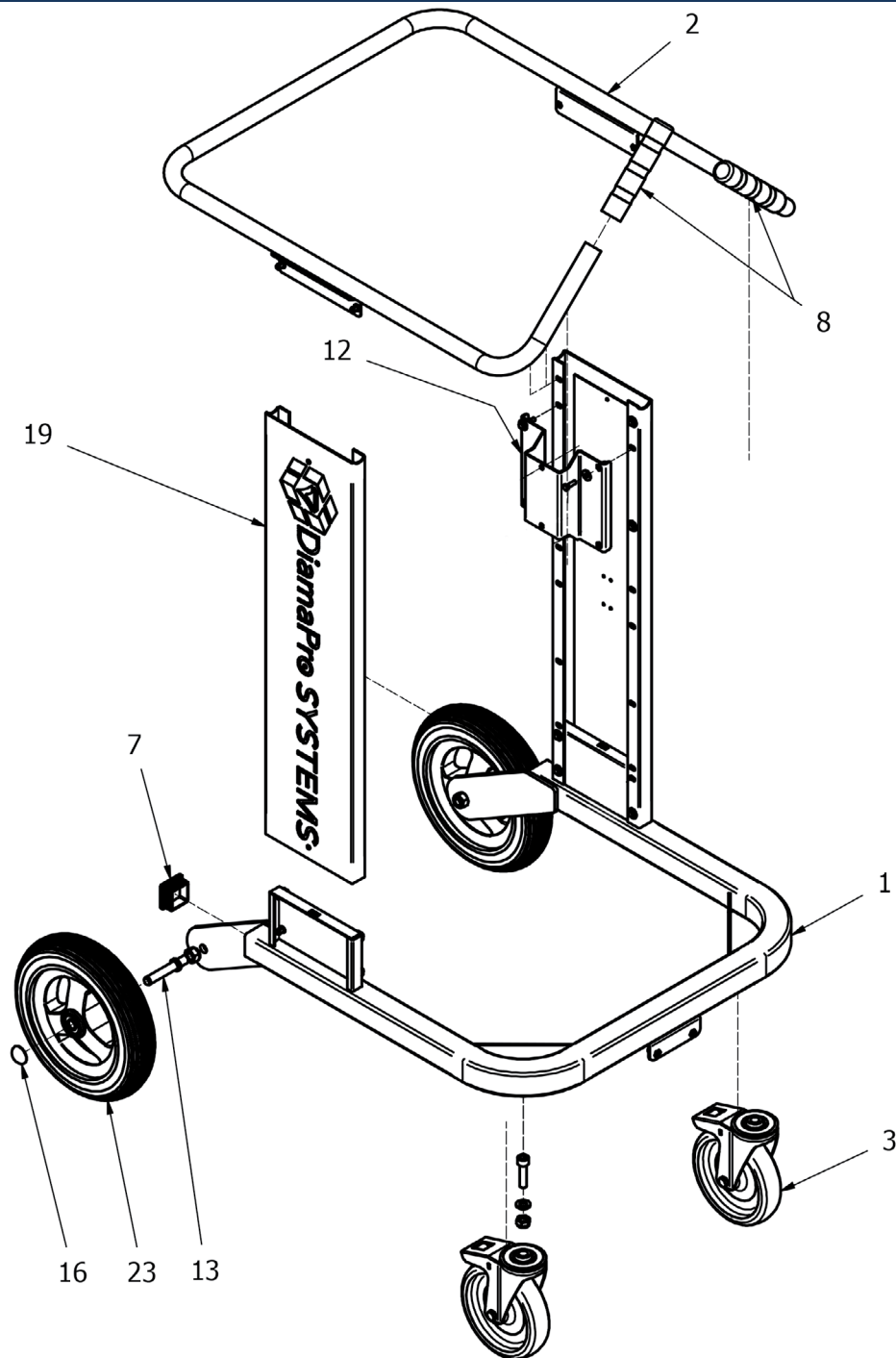
## 21. HOPPER ASSEMBLY - 110V & 220V



## 21. HOPPER ASSEMBLY - 110V

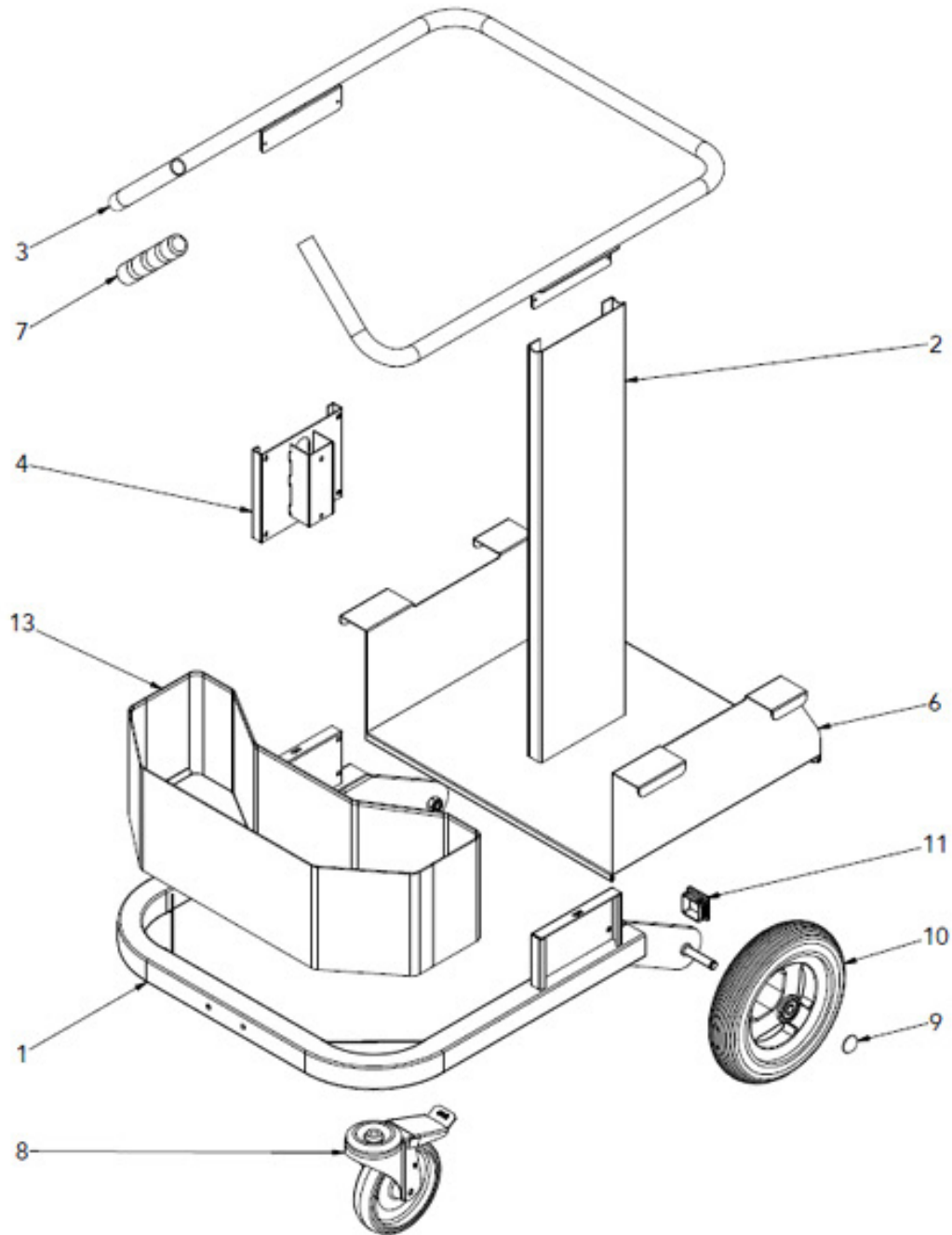
| ITEM NO. | PART NUMBER          | DESCRIPTION                                                                                      | QTY. |
|----------|----------------------|--------------------------------------------------------------------------------------------------|------|
| 1        | SVX-DSRFD            | DOUBLE SPRING RETURN FLAP DISK                                                                   | 1    |
| 2        | SVX-CONTAINERLOCK    | INFINITY BAG CONTAINER LOCK                                                                      | 3    |
| 3        | SVX-LOCKSPRING       | INFINTIY BAG LOCK SPRING                                                                         | 3    |
| 4        | SVX-HOPPERGASKET-A   | HOPPER GASKET FOR AUTOMATIC MODELS                                                               | 1    |
| 6        | SVX-OVAL-GASKET      | OVAL SPONGE RUBBER FLAP GASKET                                                                   | 1    |
| 7        | SVX-CJOINTFLAP       | C JOINT FLAP                                                                                     | 1    |
| 8        | SVX-FLAPARM          | FLAP ARM                                                                                         | 1    |
| 9        | SVX-UPPERPLATE-FLAP  | UPPER PLATE FLAP                                                                                 | 1    |
| 10       | SVX-LOWERPLATE-FLAP  | LOWER PLATE FLAP                                                                                 | 1    |
| 12       | SVX-HOPPER-3A        | BLUE HOPPER FOR SVX3A(+)                                                                         | 1    |
| 13       | SVX-IBAGCONTAINER    | INFINITY BAG CONTAINER FOR AUTOMATIC MODELS                                                      | 1    |
| 14       | SVX-HOOKS-LARGE      | LARGE HOPPER HOOK (SVX3A & TVX MODELS ONLY)                                                      | 3    |
| 15       | SVX-INLET            | INLET FOR AUTOMATIC MODELS<br>(Please refer to page 19 for all camlocks related to the SVX line) | 1    |
| 16       | SVX-INLETGASKET      | INLET GASKET FOR AUTOMATIC MODELS                                                                | 1    |
| 26       | I-1376013            | INFINITY CONTINUOUS BAGS                                                                         | 1    |
| 27       | SVX-HOPPER-PROTECTOR | RUBBER PROTECTOR FOR HOPPER                                                                      | 1    |

## 23. FRAME ASSEMBLY - 110V



| ITEM NO. | PART NUMBER        | DESCRIPTION                                     | QTY. |
|----------|--------------------|-------------------------------------------------|------|
| 1        | SVX-LF3A           | LOWER FRAME (SVX3A ONLY)                        | 1    |
| 2        | SVX-FRAMEHANDLE-3A | FRAME HANDLE (SVX3A ONLY)                       | 1    |
| 3        | SVX-CASTER-A       | FRONT CASTER (AUTOMATIC MODELS ONLY)            | 2    |
| 7        | SVX-CAP-40X40      | CAP 40X40 (AUTOMATIC MODELS ONLY)               | 2    |
| 8        | SVX-FRAMEGRIP-A    | RED FRAME HANDLE GRIP                           | 2    |
| 12       | SVX-SLIDESUPPORT-A | SLIDING CHAMBER SUPPORT (AUTOMATIC MODELS ONLY) | 2    |
| 13       | SVX-PIN            | PIN AND NUT FOR SVX-TIRE                        | 2    |
| 16       | SVX-RRING-A        | RETAINING RING (AUTOMATIC MODELS ONLY)          | 2    |
| 19       | SVX-SIDEFRAAME-A   | SIDE FRAME (AUTOMATIC MODELS ONLY)              | 2    |
| 23       | SVX-TIRE           | REAR WHEEL (ALL SVX MODELS)                     | 2    |

## 24. FRAME ASSEMBLY - 220V



| ITEM NO. | PART NUMBER        | DESCRIPTION                                       | QTY. |
|----------|--------------------|---------------------------------------------------|------|
| 1        | SVX-LF3A           | LOWER FRAME (FOR SVX3A)                           | 1    |
| 2        | SVX-SIDEFRA-A      | SIDE FRAME (FOR AUTOMATIC MODELS)                 | 2    |
| 3        | SVX-FRAMEHANDLE-3A | FRAME HANDLE (FOR SVX3A)                          | 1    |
| 4        | SVX-SLIDESUPPORT-A | SLIDING CHAMBER SUPPORT (FOR AUTOMATIC MODELS)    | 2    |
| 6        | SVX-BAGHOLDER-3A   | INFINITY BAG BASE (FOR SVX3A)                     | 1    |
| 7        | SVX-FRAMEGRIP-A    | RED FRAME HANDLE GRIP (FOR SVX3A)                 | 2    |
| 8        | SVX-CASTER-A       | FRONT CASTER (FOR SVX3A & SVX2A ONLY, 2 PER UNIT) | 2    |
| 9        | SVX-RRING-A        | RETAINING RING (FOR AUTOMATIC MODELS ONLY)        | 2    |
| 10       | SVX-TIRE           | REAR WHEEL (ALL SVX MODELS)                       | 2    |
| 11       | SVX-CAP-40X40      | CAP 40X40 (FOR AUTOMATIC MODELS)                  | 2    |
| 13       | SVX-TROLLEY-3A     | TROLLEY (FOR SVX3A)                               | 1    |

## 25. ACCESSORIES - 110V & 220V



## 25. ACCESSORIES - 110V & 220V

| ITEM NO. | PART NUMBER                | DESCRIPTION                                              |
|----------|----------------------------|----------------------------------------------------------|
| 1        | SVX-WAND-2                 | STEEL WAND FOR FLOOR TOOL                                |
| 2        | SVX-FLOORTOOL-2            | WET/DRY PLASTIC FLOOR TOOL                               |
| 3        | SVX-BLACKHOSE-CUFF         | CUFFS FOR 2" BLACK HOSE                                  |
| 4        | SVX-HOSE-STANDARD-2-NC     | 2" STANDARD BLACK HOSE                                   |
| 5        | SVX-SQUEEGEE-BLADES        | BLADE SET FOR FLOOR TOOL 15-1/2 X 17-1/4                 |
| 6        | DP-TPLUG                   | T-PLUG ADAPTER 15A                                       |
| 7        | DP-HOSECLAMP-3             | 3" HOSE CLAMP (57-76MM) FOR 2" HOSES                     |
| 8        | DP-C2530                   | 2.5" FEMALE CAMLOCK W/ 3" SMOOTH SHANK                   |
| 9        | DP-C300                    | 3" FEMALE CAMLOCK                                        |
| 10       | DP-C3020                   | ALUMINUM 3" FEMALE CAMLOCK TO 2" HOSE SHANK              |
| 11       | DP-C2520                   | 2.5" FEMALE CAMLOCK W/ 2" SMOOTH SHANK                   |
| 12       | DP-A250                    | 2.5" MALE CAMLOCK                                        |
| 13       | SVX-HOSE-ANTISTATIC-2-NC   | 2" ANTISTATIC HOSE <b>**DOES NOT INCLUDE CUFFS**</b>     |
| 14       | SVX-HOSE-ANTISTATIC-2.5-NC | 2.5" ANTISTATIC HOSE <b>**DOES NOT COME WITH CUFFS**</b> |
| 15       | SVX-HOSE-ANTISTATIC-3-NC   | 3" ANTISTATIC HOSE <b>**DOES NOT INCLUDE CAMLOCKS**</b>  |
| 16       | SVX-ANTISTATIC-CUFF        | SOFT CUFF FOR 2" ANTISTATIC HOSE                         |
| 17       | 201000173                  | S-LINE 2.5"-2" SOFT CUFF HOSE CONNECTOR                  |

## **Customer Acknowledgment and Assumption of Responsibility for Modification to any Product.**

Customer expressly acknowledges that modification of any equipment, machines, or other products purchased from Niagara Machine, Inc. ("Niagara"), including but not limited to DiamaPro Systems Products (collectively, "Products") through the attempted or actual use or misuse, adjustment, alteration, application of additional components, removal of provided components, repairs or attempted repairs by Customer (collectively, "Modifications") can lead to Product malfunction causing serious risks. Such risks include, but are not limited to, Product damage, bodily injury, death, or loss of or damage to property. Customer agrees that Customer is solely responsible for any Modifications Customer performs on any Product purchased from Niagara, and that Niagara is not responsible and will not be held liable for any claims, damages, or injury arising from Modifications by Customer, including Customer's employees, subcontractors, agents, representatives, affiliates, and assigns, to any Product purchased from Niagara. Customer further acknowledges and agrees that any Modification(s) to a Product may, at DiamaPro Systems' and/or Niagara's election, void any warranty applicable to the Product.

Customer agrees that, to the greatest extent permitted by law, Customer shall indemnify, hold harmless and, at Niagara's request, defend (with counsel reasonably approved by Niagara), Niagara, Niagara's parent, subsidiaries, affiliates and the officers, directors, employees and agents of Niagara (individually and collectively "Niagara Indemnitees") from and against, and pay or reimburse them for any and all third-party claims, losses, damages, liabilities, lawsuits and expenses (including reasonable attorneys' fees) relating to bodily injury, death, or loss of or damage to property caused by or arising from any Modification to a Product by Customer, its employees, subcontractors, agents, representatives, affiliates, and assigns (individually and collectively, "Customer Group"), with respect to the Products Customer purchases from Niagara.

Customer acknowledges that Customer has read and understands these terms, and voluntarily assumes full and sole responsibility for any and all effects arising from any Modification to a Product by Customer Group.



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