



MADE IN GERMANY

SEBO DART

OWNER'S MANUAL

For Household Use Only

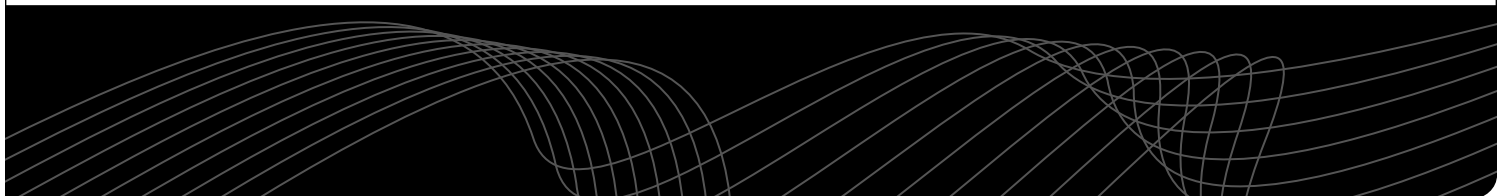


TABLE OF CONTENTS

Technical Details	2
How To Contact SEBO	2
Important Safety Instructions	3
SEBO DART Product Features	4
Power Head Features.....	4
Standard Features of all SEBO Vacuums	5
S-Class Filtration	5
Optional Attachments, Accessories, Bags and Filters	6
Identification of Parts	7
Standard Attachments	7
Assembly	7
Operating Instructions	8
Starting the Machine	8
Operating with the Power Head.....	8
Using the Hose Handle & Attachments	9
Detachable Suction Unit	9
Bag Full or Clog Warning - Auto Shut-Off	9
Brush Obstruction Light - Auto Shut-Off	9
The Brush Height Adjustment Feature	9
Indicator Lights.....	9
Power Head Maintenance	10
Removing the Brush Roller	10
Cleaning the Brush Roller	10
Use and Maintenance of Optional Floor Tools and Brushes	10
The Optional Premium Parquet Brush	10
The Optional Premium Kombi Nozzle	10
Vacuum Maintenance	11
Changing the Filter Bag	11
Changing the Pre-motor Filter.....	11
Changing the Exhaust Filter	11
Clog Removal	12
Clogs in the Hose	12
Clogs in Optional Floor Tool Swivel Neck.....	12
Clog Removal in the Power Head	12
Clogs in the Airflow Pathway	12
Clogs in the Power Head Neck	12
Trouble-shooting Guide	13
Additional Trouble-Shooting Guide for Power Heads	14
DART Bag Housing with Handle Schematic and Part Numbers	15
DART Power Head Schematic and Part Numbers	16

TECHNICAL DETAILS - VACUUM

Vacuum motor	1000 Watts
Water lift (at motor)	90 inches
Airflow (at motor)	102 CFM
Filter bag capacity	.92 gallon
Sound level	68 dBA
Weight	15.4 lbs
Cord length	31 feet
Range	34.5 feet

Technical details may be subject to change.

TECHNICAL DETAILS - POWER HEAD

Brush motor	175 Watts, 1.6 Amps
Width	12 inches
Brush Speed	2700 RPM
Brush roller	Replaceable
Brush drive	Toothed belt with electronic overload protection

Technical details may be subject to change.

HOW TO CONTACT SEBO

To contact SEBO in the United States of America:

SEBO America, LLC
 Telephone: (800) 334-6614 • Fax: (303) 792-9196
 Website: www.sebo.us

To contact SEBO in Canada:

SEBO Canada
 Telephone: (877) 258-5005 • Fax: (800) 270-4807
 Website: www.sebocanada.ca

IMPORTANT SAFETY INSTRUCTIONS



READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE

When using an electrical appliance, basic precautions must always be followed.

To reduce the risk of electric shock, this vacuum cleaner has a polarized plug; one blade is wider than the other. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way. Connect only to the outlet type specified on the serial number plate underneath the machine.

SAVE THESE INSTRUCTIONS.

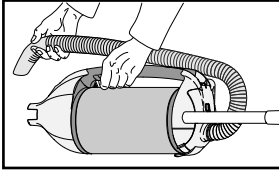
WARNING: To reduce the risk of fire, electric shock, or injury:

1. Do not leave vacuum while plugged in. Unplug from outlet when not in use and before servicing.
2. Do not use outdoors or on wet surfaces.
3. Do not use near small children or pets. Do not allow to be used as a toy. Use of this product by children should always be supervised by an adult.
4. Use only as described in this manual. Use only manufacturer-recommended attachments.
5. Do not use with a damaged cord or plug. If vacuum is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, take it to a SEBO service center.
6. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run vacuum over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp the plug – not the cord.
8. Do not plug in if power switch is in the “ON” position.
9. Do not use outlets above counters to plug in vacuum – damage to items in the surrounding area could occur.
10. Always carry the vacuum over steps and sills.
11. Do not handle plug or vacuum handle with wet hands.
12. Do not put any object into vacuum openings. Do not use machine with any openings blocked. Keep openings free of lint, hair, and anything that may reduce air flow.
13. Do not re-use filter bags or wash the filters.
14. Do not remove any screws from vacuum.
15. Do not vacuum up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
16. Do not use vacuum without filter bag and/or filters in place.
17. Turn off all machine controls before unplugging.
18. Use extra care when cleaning on stairs.
19. Do not use machine to vacuum up flammable or combustible liquids such as gasoline or use in areas where they may be present.
20. Machines can cause a fire when operated near flammable vapors or materials. Do not operate this vacuum near flammable fluids, dust or vapors.
21. Maintenance and repairs must be done by qualified personnel.
22. Use only original SEBO replacement parts.
23. Do not use vacuum as a step.
24. Do not use the handle assembly (5), which inserts into the top of the bag housing, to carry the machine. The carrying handle is located on the side of the machine.
25. If vacuum is used on plush carpet or carpet with thick padding, do not leave machine standing in one place with machine turned on.
26. While the vacuum is in use, the power cord should be unwound from the cable reel at least two thirds of its length.
27. Keep hair, loose clothing, fingers, and all parts of body away from vacuum openings and moving parts. Do not place fingers or other body parts under vacuum unless it is unplugged. Do not touch the brush roller while the machine is plugged in.
28. Do not place the power head over rug or carpet edges.
29. Store the vacuum in a dry place at room temperature. When the vacuum is not in use, you should rewind the cord onto the cord reel.
30. Any other servicing should be performed by an authorized service representative.
31. Avoid picking up sharp objects.
32. Always unplug vacuum before connecting or disconnecting either hose or power head.
33. Use a SEBO power head only in combination with a SEBO vacuum cleaner.
34. Do not connect power head to a malfunctioning or damaged vacuum.

SEBO DART PRODUCT FEATURES

DESIGNED FOR CARPETS AND HARD FLOORS – The stylish DART offers all the flexibility of a canister vacuum in an upright configuration! It has an ultra-modern filtration system, a detachable suction unit that becomes a hand-held vacuum, and an instant-use suction hose.

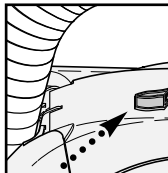
Detachable Suction Unit Creates a Hand-held Portable Vacuum – By removing the power head or nozzle, the DART instantly transforms from an upright floor vacuum into a hand-held portable vacuum, ideal for cleaning stairs, upholstery and car interiors. It can be easily carried using its side handle or the optional shoulder strap attachment.



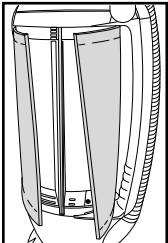
A Flat-to-the-floor 6-inch Profile – The vacuum's low profile makes cleaning under furniture and beds easy!

Instant-use Suction Hose – The integrated instant-use suction hose is always ready! Just pull it out to clean corners, crevices or furniture. Two on-board tools and a range of optional attachments can be fitted to the hose, such as a 20-inch wand for cleaning hard-to-reach areas or a 9-foot extension hose, which creates a total length of 15 feet...perfect for cleaning stairs.

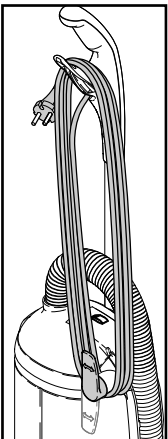
Full Bag or Clog Indicator – When a full bag, a clog in the airflow pathway, or an excessively dirty microfilter is detected, an indicator gauge on the bag housing lid "fills" with orange color and an airflow bypass valve opens, to prevent overheating and motor damage from a lack of adequate airflow.



Innovative Exhaust Filter...Design and Functionality – Behind the stylish surface hides an ultra-modern S-class exhaust microfilter that not only provides excellent filtration, but it also absorbs motor noise, resulting in extremely quiet operation.



Thirty-one Foot Cord with Rotating Quick-release Hook – It is easy to quickly unwind the cord by rotating the hook!



The DART Includes a Power Head and Two On-board Tools – Along with a commercial quality power head, the DART comes standard with a crevice nozzle and dusting brush.

DART Power Head - Designed for All Floor Surfaces.

The power head deep cleans carpets, or its spinning brush roller can be shut off to clean delicate rugs and hard floors with straight suction. It also has easy brush roller removal, and a warning light illuminates when brush height is set too high for optimal cleaning, the bristles are worn, or automatic shut-off occurs due to a brush obstruction.

Power Head Width with One-sided Edge Cleaning – The DART power head is 12 inches wide with a 10½-inch cleaning path.



Manual and Automatic Brush Shut Off – The DART can clean delicate rugs or hard floors with straight suction because the brush roller can be manually switched off by pressing the green illuminated on/off button on the power head cover. Also, the brush roller automatically shuts off when the neck of the power head is in its upright-locked position.

Brush Obstruction Light with Automatic Brush Shut Off – If an obstruction becomes jammed in the brush roller, a red brush-warning light will quickly flash, the brush roller will immediately stop spinning and the vacuum will shut off. The user should turn the power switch off, unplug the machine, and immediately remove the obstruction. If the user restarts the machine without removing the obstruction, the power head will again shut off and the red light will flash. This prevents the belt from breaking and protects the motor and carpet from damage.



Four-level Manual Brush Height Adjustment – The brush can be adjusted up or down for optimal cleaning effectiveness.

Easy Brush Removal and Cleaning – Cleaning hair or other debris from the brush roller or replacing it when its bristles are worn is quick and easy, and no tools are required! This feature ensures consistently effective brush agitation of the carpet pile.



Easy Maintenance – The clog removal door and brush roller are easy to access on the power head.

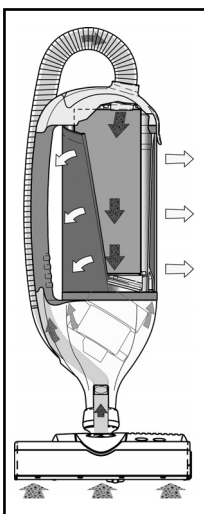
STANDARD FEATURES OF ALL SEBO VACUUMS

SEBO's FILTRATION SYSTEM:

Bagged vs. Bagless . . . Bags are Better! –

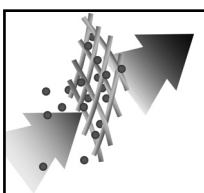
Top-fill, three-layer AeraPure™ Bags are an integral part of SEBO's filtration system because they hold virtually all the dirt captured by the vacuum, which improves the effectiveness and useful life of the microfilters. They also ensure continuously strong suction because dirt enters from the top, deposits at the bottom, accumulates upward, and air exits through the sides, which allows unimpeded airflow as they fill to capacity. And they can be tightly sealed with a hygiene cap when full, so no dust can escape into the air during bag removal and disposal.

In contrast, without bags to hold nearly all the captured dirt, the microfilters on bagless vacuums quickly clog from excessive dirt build-up and must be replaced often, or a loss of suction and cleaning effectiveness will occur. In addition, dust and other allergens become airborne when emptying bagless dirt containers. Lastly, bagless vacuum microfilters are expensive, usually costing more than a multi-year supply of SEBO filter bags.



S-class, Pre-motor and/or Exhaust Microfilters –

S-class, Pre-motor and Exhaust Microfilters (S = "Schwebstoff" = airborne particles) are made from electrostatically charged, micro-fiber material, which attracts and captures dust particles from the airflow of the vacuum before and after it passes over the motor to cool it. Cooling the motor with super-clean air increases motor life and reduces the possibility of maintenance, even after many years of use. Also, the exhaust air is cleaned to the highest level before being emitted from the machine. The S-class Standard requires filters to absorb greater than 99.9% of particles down to 0.3 microns in diameter. For comparison, 100 microns is the diameter of a human hair. Their advantages are a relatively open texture that allows smoother airflow for better suction performance, a longer life expectancy, and they cost less than HEPA filters.



HEPA, Pre-motor and/or Exhaust Microfilters (Optional) –

HEPA Microfilters ("High Efficiency Particulate Air") remove a minimum of 99.97% of all airborne particulate matter down to 0.3 microns in diameter. Because these filters use small, grid-like structures to capture dust particles, dirt build-up clogs the airflow pathway sooner than what is expected from S-class microfilters. However, SEBO's HEPA microfilters are sold along with three-layer AeraPure™ bags, which provide highly effective filtration before the airflow goes through the HEPA microfilter, greatly increasing life expectancy and reducing the potential of diminished air flow.

Designed and Manufactured in Germany – Legendary quality, reliability and performance make SEBO vacuums the first choice of cleaning professionals throughout the world.

World's Best Pet Vacuums – Because of superior power-head and brush-roller technology, SEBO vacuums are the world's best for pet hair removal!

Tightly Sealed Vacuums Ensure Effective Filtration – Dirty air, which flows through a vacuum, can only be filtered completely if it does not escape into the room through seams or seals in the machine. This is why all SEBO vacuums have tight seals throughout.

Many vacuum companies with high-filtration claims are actually quoting specifications made by the manufacturer of the filter material, as measured in the laboratory, not the filtration effectiveness of the vacuum itself while operating. Whether or not dirty air can escape through leaks in the body of the machine is not considered. The filtration effectiveness of SEBO vacuums is tested while they operate.

Reliable, Commercial-grade Components – All SEBO vacuums are constructed with thick, reinforced, ABS plastic, aluminum and metal parts, steel axles and bearings, and high-end, quality motors. Therefore, SEBO users own reliable, long-lasting vacuum cleaners. Competing vacuums are made with thin, flimsy, inexpensive, plastic materials, none of which are reinforced, and typically have useful lifespans of one or two years.

Rubber Wheels and Soft Bumpers Protect Homes – Smooth-gliding, rubber wheels protect hard floors and provide exceptional maneuverability. In addition, the bumpers that surround the power heads and the soft AIRBELT bumpers that surround SEBO's canisters protect furniture, walls, and vacuum housings from incurring scuffs and scratches during use.

Advanced, Brush-Roller Technology – SEBO's brush rollers are uniquely designed to funnel hair and debris into the power head's airflow channel, which improves vacuum cleaning performance on all flooring surfaces.

Changing Bags is Easy and Clean – SEBO filter bags can be changed in just a few seconds, and a hygiene cap keeps dust sealed inside during removal and disposal.

Save Money! SEBO Vacuums Last for Years and Extend Carpet Life! –

If properly maintained, SEBO vacuums save ordinary, residential users hundreds of dollars, by providing excellent performance for ten to fifteen years or more, and their deep-cleaning, power-brush technology extends the life of carpets. Typical vacuums perform poorly, even when new, and usually do not last beyond two years. So six or seven "disposable vacuums" must be purchased during the average life expectancy of just one SEBO machine.

Incredible Warranty Coverage – All SEBO models include a FREE seven-year warranty on the motor and five-years on non-wear parts and labor charges.

OPTIONAL ATTACHMENTS, ACCESSORIES, BAGS & FILTERS

In addition to the standard on-board tools, a variety of optional attachments are available. The 9' 2" extension hose (extends suction hoses) and the 22" extension wand are very popular because they create useful tools for cleaning stairs and out-of-reach areas. Another popular attachment is the hand-held Turbo Brush with an air driven rotating brush for removing pet hair from upholstery and stairs. See page 10 for more information on the Parquet Brush and Kombi Nozzle.

SEBO AeraPure™ filter bags can be purchased in boxes of eight. SEBO bags, filters and accessories are reasonably priced and widely available.

To create a fresh scent while vacuuming, SEBO FRESH™ is available. To use, deposit a scented stick in the filter bag.

ATTACHMENTS

Included
DART



Dusting Brush
with Horsehair
Bristles
#1387GS



Crevice Nozzle
#1092GS

Optional
Three-piece Kit



22" Extension
Wand*
#1084GS



9' 2"
Extension Hose*
#1495AM



Upholstery
Nozzle*
#1491GS

*All three items are available individually or as a three-piece attachment kit, #1999AM.

Additional
Options



Hand-held
Turbo Brush
#6179ER



Radiator
Brush
#1496GS



Flat Upholstery
Nozzle
#1090HG



Dusting Brush
Large Opening
Nylon Bristle
#1094GS



Dusting Brush
Nylon Bristles
#1329GS



Premium
Parquet Brush
#7200GS



Premium
Kombi Nozzle
#7260GS



Wall & Floor Brush
#1325GS



24" Crevice Nozzle
#1093JV

BAGS, FILTERS, ACCESSORIES and WEAR ITEMS



8 AeraPure™ Bags
#7029AM



Pre-motor Filter
#7012AM



Pre-motor
Anti-odor Filter
#7185AM



Exhaust
Microfilter
marine blue,
solid
#7095ER08



12" Brush Roller
#5010AM

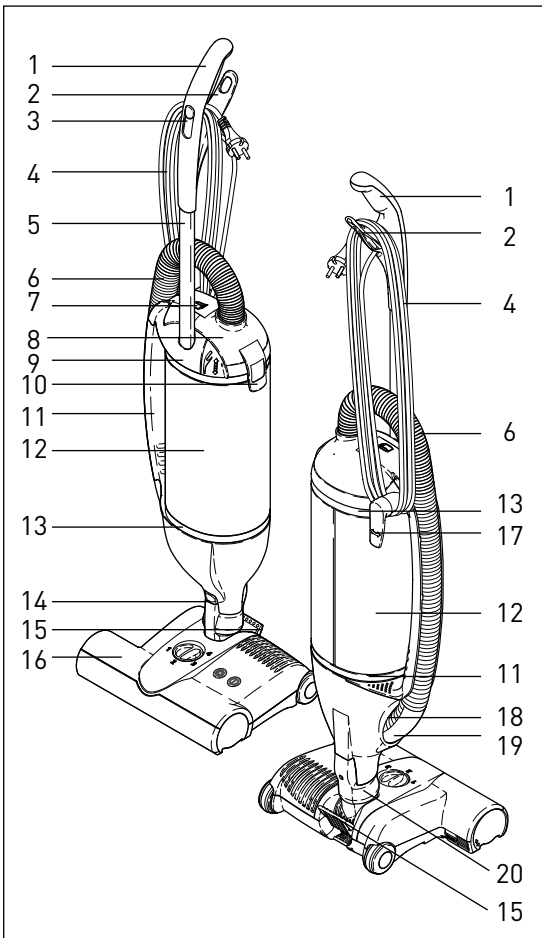


12" Brush Roller
(soft bristle)
#5010GE

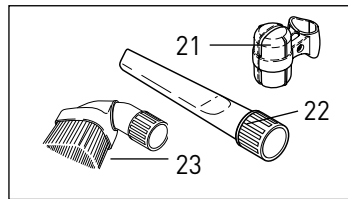


SEBO FRESH
1 Pkg. of 5
#0496AM

IDENTIFICATION OF PARTS



1. Handle grip
2. Upper cable hook
3. On/Off switch
4. Power cable
5. Handle Assembly
6. Hose
7. Bag full indicator
8. Bag Housing cover
9. Bag housing
10. Bag housing release latch
11. Carrying handle
12. Exhaust filter
13. Exhaust filter clamps
14. Tool release button
15. Foot pedal
16. Power head
17. Cable hook
18. Suction opening
19. Hose handle
20. Power head neck



Standard Attachments

21. Attachment clip
22. Crevice Nozzle
23. Dusting Brush

ASSEMBLY

Place the power head (16, 28) or floor tool (29, 30) on the floor with the power head neck (20) upright. Hold the vacuum vertically and Insert the suction opening of the vacuum into the neck of the head. Push firmly and evenly downward until the tool release button (14) snaps into the locked position - see figure 1.

Insert the black end of the hose (6) into the connection on the filter cover (8) - see figure 2a. Insert the hose handle (19) into the suction opening (18) on the side of the vacuum - see figure 2b. Press the hose into place on the side of the machine.

Install the attachment clip (21) to the handle assembly (5) using the included screw. Insert the crevice nozzle and dusting brush into the clip - see figure 3.

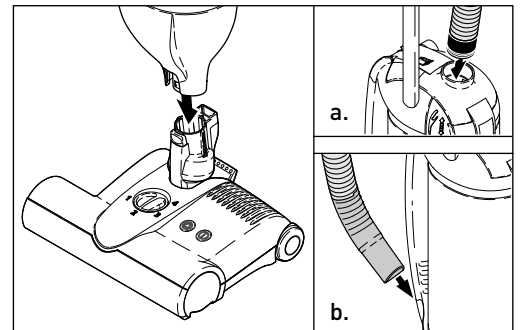


Figure 1

Figure 2

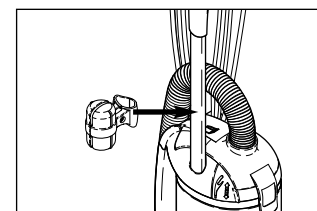


Figure 3

OPERATING INSTRUCTIONS

Starting The Machine - Figures 4 & 5

Before turning on your vacuum cleaner, make sure that the vacuum is in its upright locked position (figure 6).

1. With the power switch (3) in the OFF position, turn the cable hook (17) to the left or right to release the cable (4). Lift the cable off the upper cable hook - see figure 4.
2. Plug the polarized power cord into a 120 volt wall outlet located near the floor.
3. Turn the On/OFF switch (3) downward to the ON position - see figure 5.

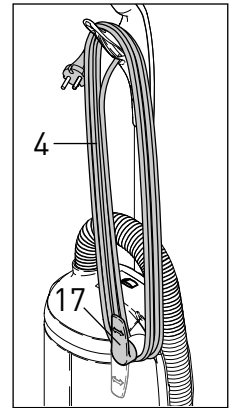


Figure 4

Operating with the Power Head - Figures 6, 7, & 11

A. When the power head is switched on with the power head neck (figure 6) in the upright locked position, the brush roller will not spin and the on/off light will illuminate in yellow. To release the power head from the upright locked position, press down on the foot pedal (15, figure 7) and lower the power head neck into the normal operating position. The brush roller will then start spinning and the on/off light on the power head will illuminate in green. The handle can be lowered to a horizontal position useful for vacuuming under beds.

B. To clean delicate or hard floor surfaces with straight suction only, the power head is equipped with an on/off switch (35, figure 11). When this switch is used to turn off the brush roller, the green light will change to yellow, indicating to the user that the brush roller is not turning. Pushing the button again will turn on the brush roller and the light will turn green.

NOTE: The brush roller is off and stopped only when the machine is in an upright position and the handle is completely locked in place. If you have the machine at an angle, the brush roller will spin. Leaving the machine in a stationary position for an extended period of time while the brush roller is spinning may cause damage to your floor or carpet. You may also switch off the brush roller by pressing the on/off switch (35, figure 11) on the top of the power head.

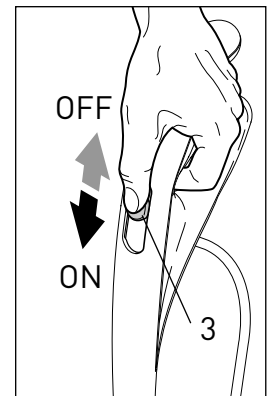


Figure 5

Always turn the power switch off when changing heads or unplugging the vacuum. Turn the ON/OFF switch on to its OFF position, then unplug the vacuum when changing heads or storing the vacuum. Make sure the handle is in its upright locked position before letting go of the handle. **NOTE: When switching off the power switch, always make sure the switch “clicks” into the OFF position before unplugging the power cord.**

When you have finished using the vacuum, turn the on/off switch to the OFF position. Then, unplug the cord and wind it onto the upper cable hook and upper hook. The rubber tip on the end of the handle allows the vacuum to be propped against a wall without damage.

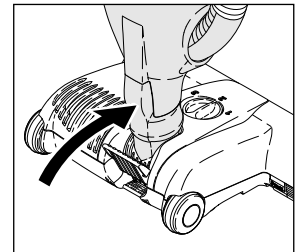


Figure 6

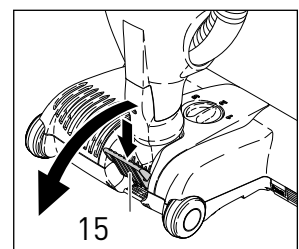


Figure 7



WARNING!

The quality, condition, coating, texture, age and manufacturing technique of all floor surfaces vary. Therefore, vacuums with rotating brushes, including your SEBO, may damage some floor coverings or surfaces. Some types of high-gloss hardwood floors, cushion vinyl, berber carpets, long shag, and delicate or hand-woven carpets are particularly vulnerable to damage by rotating brushes. When possible, consult the materials supplied by your flooring manufacturer for information on proper upkeep and cleaning. To ensure that your new SEBO vacuum cleaner is compatible with your floor, please test the vacuum cleaner on each type of flooring surface in a small inconspicuous area to determine if any damage occurs. If damage occurs, stop using the vacuum cleaner immediately!

Using the Hose Handle, Hose & Attachments - Figures 8 & 9

The hose handle (19) is useful for vacuuming corners and hard-to-reach areas. You may use the hose handle with or without an attachment. Pull the hose handle (19) from the suction opening (18) in the side of the vacuum. Keep a firm hold on the handle grip while using the hose handle as it could tip if the hose is pulled too far. The standard **attachments** [the crevice nozzle (22) and dusting brush (23)] and the optional **attachments** [the hand-held Turbo brush, upholstery nozzle, straight tube and extension hose [see page 6]] may be inserted onto the hose handle. It is not necessary to turn off the vacuum while switching the attachments. **NOTE: When using the hose and attachments, keep the vacuum in its upright position.**

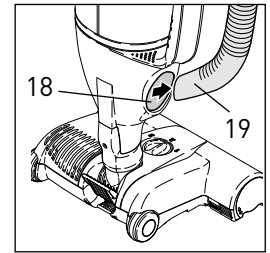


Figure 8

To change a floor tool or power head, switch off the power and unplug the vacuum. Press the tool release button (14) and pull the vacuum out of the power head neck (20). Insert the vacuum into the new tool and push down gently until it snaps into place. Plug the vacuum in and switch the power on.

When changing power heads and floor tools, always switch the vacuum off with the main power switch (3), and then unplug the power cord. NOTE: When switching off the power switch, always make sure the switch “clicks” into the OFF position before unplugging the power cord.

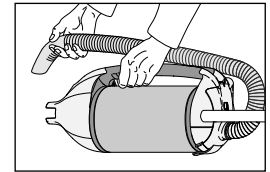


Figure 9

Detachable Suction Unit - Figure 9

When detached from the power head, or floor tool, the DART transforms itself into a lightweight, powerful suction unit, which can be carried around using its comfortable carrying handle (figure 9). Ideal for cleaning stairs, car interiors or upholstery. To remove a floor tool or power head, switch off the power and unplug the vacuum. Press the tool release button (14) and pull the vacuum out of the power head neck (20).

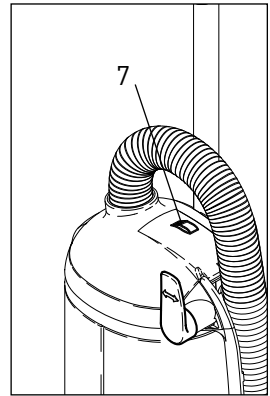


Figure 10

Full Bag or Clog Indicator – Figure 10

When a full bag, a clog in the airflow pathway, or an excessively dirty microfilter is detected, an indicator gauge on the bag housing lid (7) “fills” with orange color. The user should turn the switch off, unplug the machine and immediately insert a new bag or remove the clog (to remove a clog, refer

Brush Obstruction Light & Auto Shut Off – Figure 11

If an obstruction becomes jammed in the brush roller, a red brush-warning light will quickly flash, the brush roller will immediately stop spinning and the power head will shut off. The user should turn the power switch off, unplug the machine, and immediately remove the obstruction. If the user restarts the machine without removing the obstruction, the power head will again shut off and the red light will flash. This prevents the belt from breaking and protects the motor and carpet from damage.

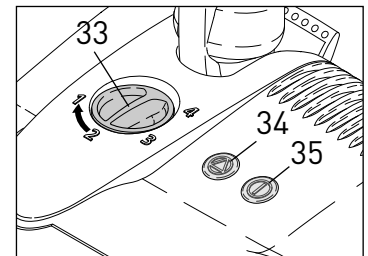


Figure 11

The Brush Height Adjustment Feature - Figure 11

To adjust the brush height, rotate the dial (33) for high carpet (dial setting 4) and progressively lower (bare floor is dial setting 1). The brush obstruction light located on top of the power head (34) will illuminate in red if the height setting is too high. Dial down to the next number until the light is no longer illuminated. If the red light does not turn off, the brush roller may be worn.

Indicator Lights - Figure 11

By pushing the foot pedal (figure 7) and lowering the handle, you activate the power head and the brush begins spinning. Failure to use the foot pedal will cause lasting damage to the machine. The electronic brush control constantly monitors the status of the brush, communicating the status through the lights on top.

- | | |
|---|---|
| Green On/Off Light:
(35, figure 11) | Brush is on and spinning. |
| Yellow On/Off Light:
(35, figure 11) | The brush roller has been switched off and the vacuum is operating with straight suction only. |
| Red Brush-warning Light:
(34, figure 11) | The brush is not fully engaged in the carpet. The height adjustment should be lowered. If the height adjustment is at its lowest setting, the brush is worn and needs to be replaced. |
| Red Brush-warning Light Flashing:
(34, figure 11) | The brush is blocked. Turn off the power head, disconnect it from the power source, and then remove the blockage [see page 12]. |

POWER HEAD MAINTENANCE



Always unplug vacuum from outlet before dismantling any part of the machine!

To remove the power head, switch off the power and unplug the vacuum. Then, press the tool release button (12) and pull the vacuum out of the neck.

Removing the Brush Roller - Figure 12

To remove the brush roller, press the button marked "PRESS" (36) and turn the brush roller end cap (37) downward. Turn the brush (38) slightly to the right and pull it out. We recommend regular removal of threads and hair which have wound around the brush roller.

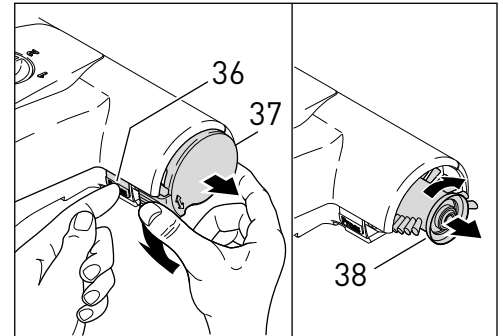
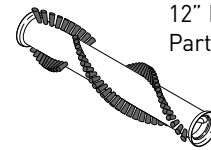


Figure 12

Cleaning the Brush Roller

Unplug the vacuum before attempting to clean the brush.

The brush should be cleaned regularly. Fibers and hair can be pulled out of the brush while manually rotating the roller, or the roller can be removed from the power head to clean it.



12" Brush roller
Part # 5010AM

USE AND MAINTENANCE OF FLOOR TOOLS AND BRUSHES



Always unplug vacuum from outlet before dismantling any part of machine!

To remove a brush or floor tool, switch off the power and unplug the vacuum. Then, press the tool release button (14) and pull the vacuum out of the neck.

Premium Parquet Brush (optional) - Figure 13

The optional Parquet brush is specially designed for use on hard surfaces. The brush should be cleaned regularly. Remove the parquet brush from the vacuum to clean. Fibers and hair can be pulled out of the bristles manually, or vacuum the bristles using the flexible hose.



Figure 13

Premium Kombi Nozzle (optional) - Figure 14

The optional Kombi nozzle is adjustable for carpet or hard floors. To set for carpet, slide the up arrow button (39) to the right until it clicks into place. The hard floor dusting brush will raise up allowing the head to move over the carpet. To set for hard floors, slide the down arrow button (40) to the left until it clicks into place. The brush will lower to gently sweep your floors. **The slider in Figure 14 is set in the position for carpet.** The brush should be cleaned regularly. Remove the Kombi nozzle from the vacuum to clean. Fibers and hair can be pulled out of the bristles manually, or vacuum the bristles using the flexible hose.



Figure 14

VACUUM MAINTENANCE

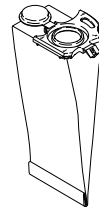


Always unplug vacuum from outlet before dismantling any part of machine!

When the “bag full” indicator (7) displays, airflow is reduced due to a full filter bag, dirty filters, or a clog. If the filter bag is empty and the filters are clean, you may have a clog. Refer to page 12.

Changing the Filter Bag - Figures 17 & 18

To change the filter bag, set the canister upright, open the bag housing cover (8) by pulling the cover release flap (10) upward (figure 17). Seal the filter bag with the sealing cap (42). Grasp the sealing plate (44) of the filter bag with your thumb and forefinger as shown in figure 18 and lift the filter bag (43) out. Lower a new bag into the holder, making sure that the 4 small tabs (indicated by arrows on the sealing plate) fit into the appropriate grooves. The front tab (45) of the sealing plate will fit loosely over the wire latch lock. Push the bag housing cover (8) down firmly and snap the cover release flap (10) into place. For your convenience, there is a diagram on every filter bag showing the correct placement of the bag. Do not re-use the filter bags. **NOTE: The nature of the contents of the filter bag will affect the point at which it needs changing. Fine dust may require an earlier change even though the bag is not full. Fluff or hair allows air to pass through easily, so the filter bag may overflow before the orange “bag full” indicator displays.**



AeraPure™
Filter bag
Part # 7029AM

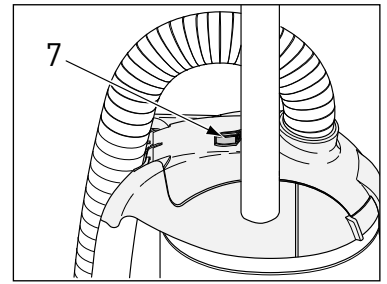


Figure 16

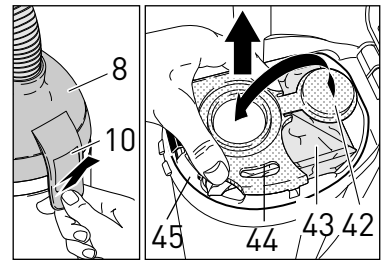


Figure 17

Figure 18

Changing the Pre-motor Filter - Figure 19

After 10 to 20 bags have been used, change the pre-motor filter (46). To remove the filter, set the vacuum upright, pull the cover release flap (10) outward and open the filter bag cover (8). Remove the filter bag (see above). Grasp the handle (47) on the filter and pull it out. To replace, use the handle (47) to hold on to and slide the new filter down into the bottom of the bag housing. When correctly seated, it will snap into place. Insert the filter bag, close the filter bag cover.



Pre-motor filter
Part # 7012AM

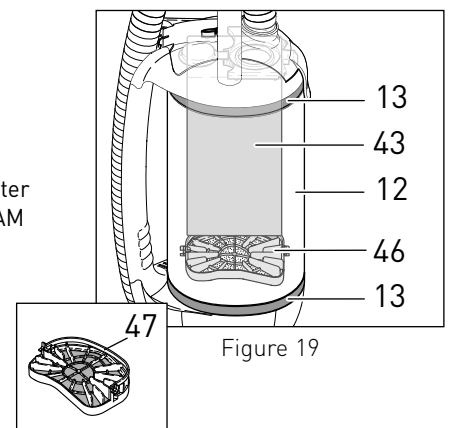


Figure 19

Changing the Exhaust Filter - Figures 19 & 20

The exhaust filter (12) needs to be changed when it becomes extremely dirty or clogged with dust, or after approximately 15 to 20 filter bags have been used. To remove the exhaust filter, set the vacuum upright, and remove the filter retaining rings (13). To release the filter retaining ring, use your thumb to push the retaining ring clip the direction of the arrow, then pull the clip up. Pull the plastic reinforced fabric strips out of the housing slot (48), and remove the filter. To replace the filter, insert the plastic strip on one end of the filter into the housing slot (48) and hold in place with one hand while wrapping the filter around the machine, pulling it taut. While holding the filter together, insert the top of the plastic strip into the slot. While holding the top of the strip in place, push the rest of the strip firmly into the slot. Replace the retaining rings. **NOTE: When reassembling, please ensure that the exhaust filter is fitted correctly in the housing slots and the filter retaining rings are installed correctly. Otherwise, the filter will be ineffective.**



Exhaust filter
Part # 7095ER08

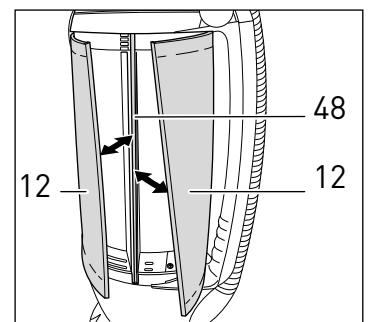


Figure 20

NOTE: Never operate the vacuum with incorrectly attached filters or without filters, filter bag, or bag housing cover (8). Do not re-use filter bags. Do not wash and re-use filters.

CLOG REMOVAL

 **Always unplug vacuum from outlet before removing any clogs!**

Clogs in the Hose - Figures 21, 22, 23 & 24

Check for suction at the end of the hose (6) by pulling the hose handle (19) out of the suction opening (18). If you can only feel a small amount of suction, the clog is in the hose. To clear a blockage in the hose, hold the hose handle upright with one hand blocking the top and switch on the machine. Quickly lift your hand on and off the end of the hose. If that does not clear the clog, you may also clear clogs by reversing the hose. To remove the hose from the machine, lift the filter bag cover. Loosen the safety ring (#49, figure 23) located inside the cover by pushing the lever clockwise as shown in figure 23. Remove the hose. Close the filter bag cover and insert the hose handle into the connecting tube (#50, figure 24) of the filter cover. Hold the hose upright with one hand blocking the top and switch on the machine. If necessary, quickly lift your hand on and off the end of the hose. When the clog is cleared, remove the hose handle from the connecting tube. Loosen the safety ring (49) and insert the other end of the hose back into the connecting tube. Release the safety ring so that it secures the hose. Make sure the hose is connected, then close the filter bag cover.

Note: Do not insert a wire or stick into the hose. Doing so may cause damage to the hose.

Clogs in Optional Floor Tool Swivel Neck - Figure 25

To check for a clog in the swivel neck (20) of an optional floor tool, remove the head by pressing the release button (14). Pull the vacuum out of the suction neck. Clean out pathway.

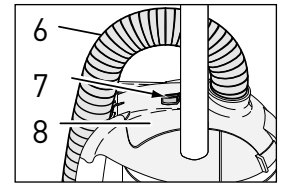


Figure 21

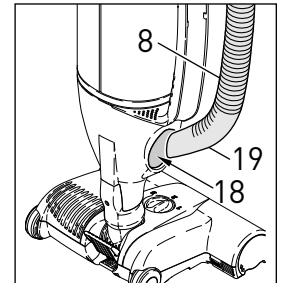


Figure 22

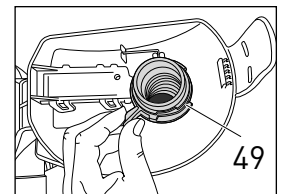


Figure 23

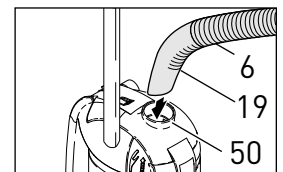


Figure 24

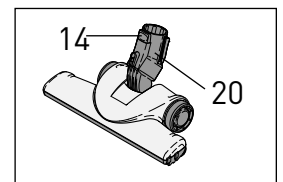


Figure 25

CLOG REMOVAL IN THE POWER HEAD

Clogs in the Airflow Pathway - Figure 26

Many clogs can be removed by accessing the airflow pathway via the orange colored access door (51) located on the underside of the power head.

Clogs in the Power Head Neck - Figures 26 & 27

To check for a clog in the power head neck (20), remove the head by pressing the release button (14). Push the obstruction down the neck with a stick or long screwdriver and remove it through the orange access door (51).

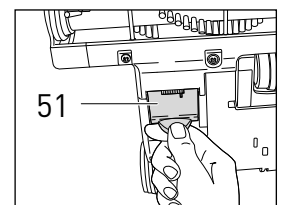


Figure 26

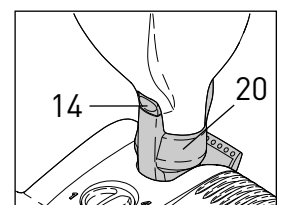


Figure 27


TROUBLE-SHOOTING GUIDE



Always unplug vacuum from outlet before dismantling any part of the machine!

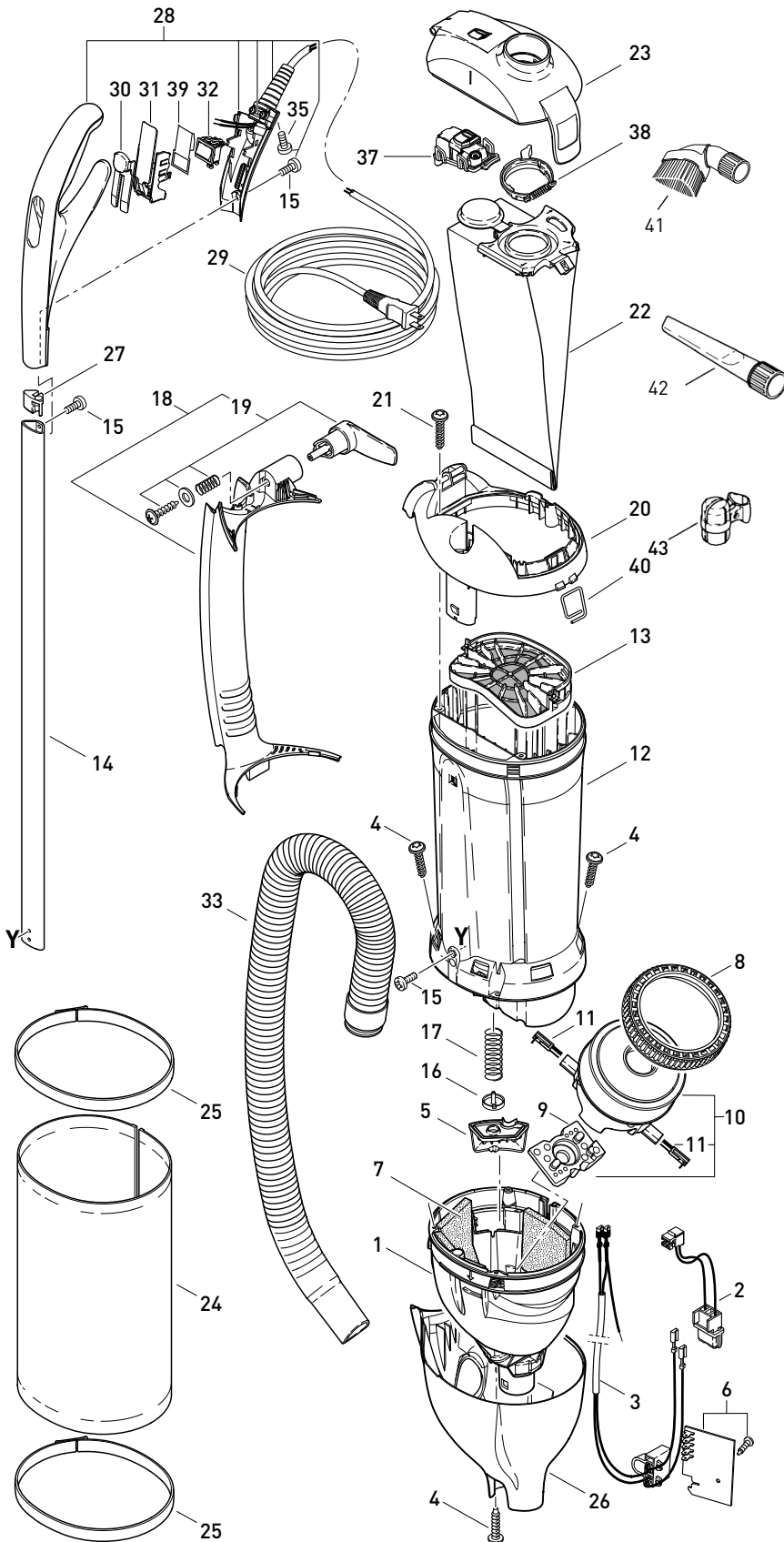
PROBLEM	REASON	SOLUTION
Does not turn on	1. Not plugged into working outlet.	1. Use another outlet.
	2. Cord worn, cut or broken.	2. Replace cord.
	3. The power control switch is set to the "OFF" position.	3. Slide switch to the ON position. See page 8.
Bag full indicator shows	1. Bag full.	1. Replace filter bag. See page 11.
	2. Clog in hose, power head neck, brush or head	2. See Clog Removal on page 12.
Poor Suction	1. Exhaust filter dirty.	1. Replace exhaust filter. See page 11.
Does not pick up	1. Hose is not connected correctly into the connecting tube.	1. Check the safety ring. See page 12.
	2. Filter bag cover not closed.	2. See below.
Bag housing cover won't fully close	1. Cover release flap not fully closed.	1. Reinsert bag. Lock the cover release flap (10) down firmly.
	2. Bag not inserted properly.	2. Reinsert bag. Lock the cover release flap (10) down firmly.
	3. Cover latch spring bent.	3. Straighten cover latch spring.
Filter bag doesn't fit into position	1. Pre-motor filter not properly inserted.	1. Remove the filter bag and make sure the pre-motor filter is seated correctly See page 11.

ADDITIONAL TROUBLE-SHOOTING GUIDE FOR POWER HEAD

 Always disconnect the power head before dismantling any part of the machine!		
PROBLEM	REASON	SOLUTION
Power head does not turn on	1. Not plugged into good outlet.	1. Use another outlet.
	2. The switch on the power head is off.	2. Press the power head brush on/off switch. See page 9.
	3. The internal switch in the power head neck is off because the machine is in the upright locked position.	3. Release the foot pedal and lower the neck to operating level. See page 8.
Red brush-warning light is on	1. Reduced brush action.	1. Brush is not fully in contact with the floor. Lower the height setting.
	2. Brush worn.	2. Replace brush. See page 10.
Yellow on/off light is illuminated	1. The brush roller on/off button on the power head is switched off.	1. Press the power head brush on/off switch. See page 9.
Red brush-warning light is flashing and brush stops spinning	1. Jammed brush roller.	1. Remove brush roller obstruction. See page 10.
	2. Overload shut down from excessively deep but loose carpet pile (e.g., long shag carpet).	2. If carpet pile is too deep and loose, then use a "shag rake" attachment instead of the power head.
Does not pick up	1. Clog in airflow pathway or power head neck.	1. Remove clog. See page 12.

DART SCHEMATIC AND PARTS LIST

#9855AM DART - Arctic White (White/Dark Blue)



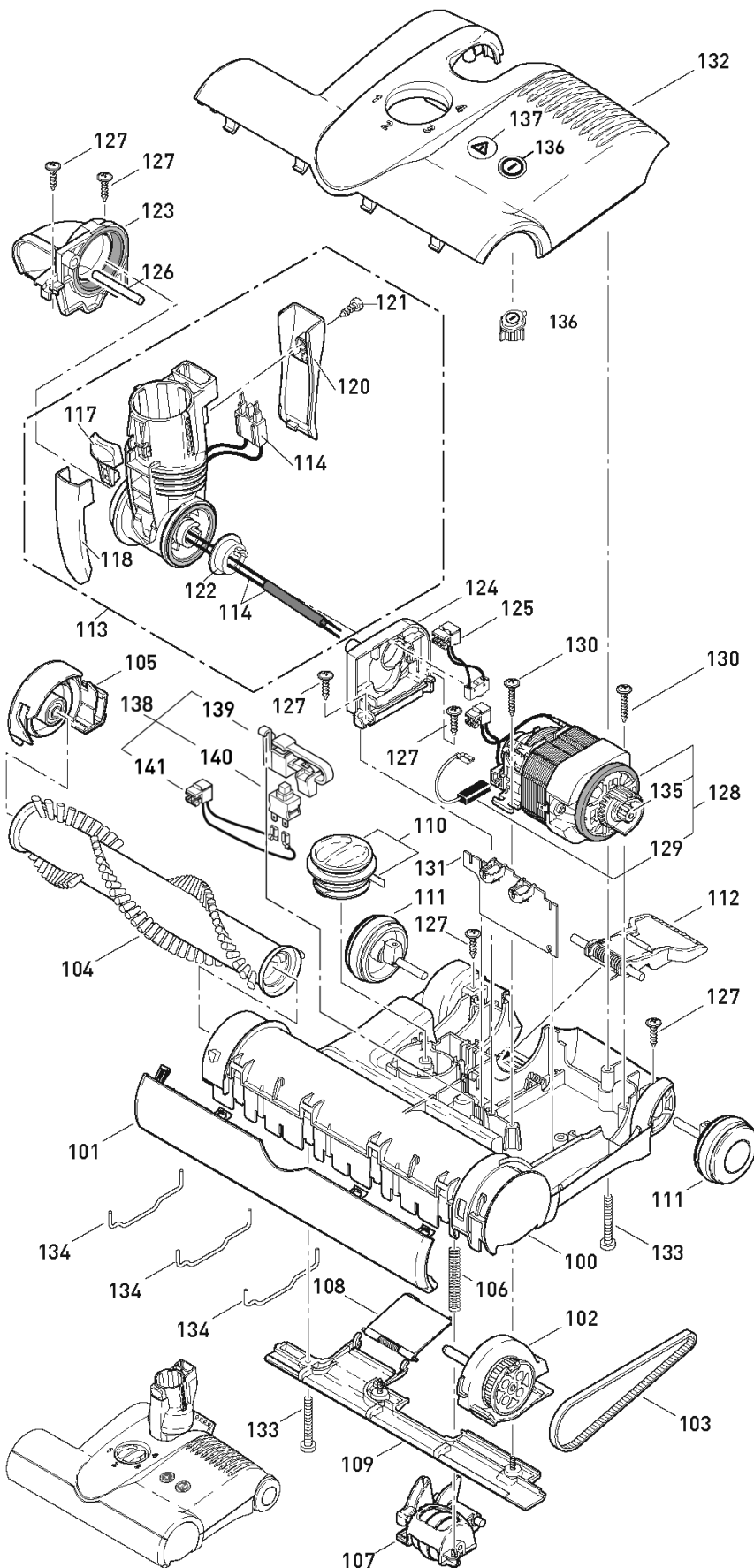
Bag Housing and Handle

9855AM DART Arctic White (White/Dark Blue)

Pos.	Part #	Description
1	7002GS	Air duct
2	7064	Internal wiring ET
3	7070	Internal cable
4	01016	Screw STS 4x16 - T20
5	7057HG	Valve cover
6	7102ER	Printed circuit board 120V
7	7098	Sound insulation
8	1047	VAC motor seal
9	7009	Motor mount
10	7041ER	VAC motor 1000 Watts
11	05140S	Carbon brush set
12	7143ER	Bag housing
13	7012AM	Pre-motor filter
14	7080ER	Handle tube
15	0127	Screw M 4x10K
16	7025	Valve disc
17	7028ER	Valve spring set
18	7090WE	Hose duct, arctic white
19	7027WE	Cable hook
20	7092WE	Cover, bag housing
21	01017	Screw STS 4x20 - T20
22	7029AM	AeraPure™ filter bag
23	7091WE	Filter cover, white
24	7095ER08	Exhaust filter, marine blue
25	7017GS	Exhaust filter clamp, gray black
26	7169AM	Lower housing, arctic white
27	7076GS	Tube plug
28	7164WE	Handle complete w/screws
29	7127DG	Cable, two wire
30	7035GS	Sliding button
31	7178WE	Handle frame
32	05138	Rocker switch, 2-pol.
33	7050SB	Hose
35	01036	Screw 4 x 14
37	7094ER	Filter Indicator, cpl.
38	7018OR	Retaining ring w/spring
39	7142	Protection film
40	7024ER	Spring
41	1387GS	Dusting Brush
42	1092GS	Crevice nozzle
43	7097GS	Double attachment clip, gray black

DART SCHEMATIC AND PARTS LIST

#9855AM DART - Arctic White (White/Dark Blue)



Power Head

9855AM DART Arctic White (White/Dark Blue)

Pos.	Part #	Description
100	2324GS	Chassis ET-1
101	2302GS	Bumper, cpl.
102	2314GS	Bearing block, left cpl.
103	2923	Belt 333 3M HTDII-6
104	5010AM	Brush roller, cpl.
105	2313GS	Bearing block, right cpl.
106	2929	Spring
107	2316GS	Pile adjustment assembly, cpl.
108	2909VO	Access door w/axle & spring
109	2304GS	Rear bottom plate, cpl.
110	2931GS	Pile adjustment button
111	2306GS	Wheel, cpl.
112	2937OR	Foot pedal w/axle & spring
113	2309GS	Neck assembly, cpl. - DART
114	0876ER	Wiring neck
117	1737GS	Release button w/leaf spring
118	2962GS	Button cover
120	2961GS	Socket cover, TS-neck
121	01027	Screw F 3.9x9.5
122	2954	Swivel neck bearing
123	2311	Swivel neck support, right
124	2312	Swivel neck support, left
125	0880	Safety switch w/ wiring
126	2928	Axle
127	01021	Screw F 3.9x13
128	2973ER	Brush motor 120V 175W w/pulley
129	05141S	Carbon brush set
130	01020	Screw F 3.9x21
131	2684ER	Controller board ET1, 120V, 175W
132	2331WEAM	Power head cover, arctic white
133	0176TL	Screw AM 4x30
134	5402	Wire tie
135	2319	Motor pulley
136	2957	On/off button/lens
137	2956	Lens right
138	2959ER	Switch cpl. (incl. 139-141)
139	2958ER	Lever w/leaf spring
140	05114	Switch 2-pole
141	0881	Wire