

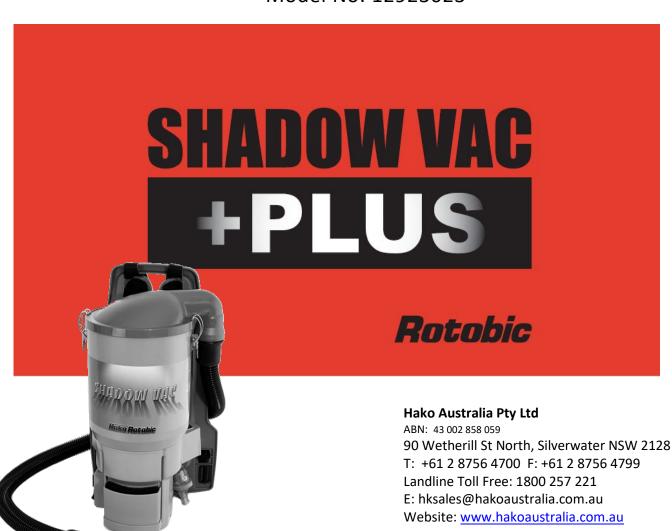
### **INSTRUCTION MANUAL AND PARTS GUIDE**

**CAUTION** Read the instruction manual before using the machine

# Shadow Vac +PLUS Shadow Vac

Back Pack Vacuum Cleaner With H-10
HFPA Filter

Model No: 12923023



# Safety Instructions

# Read this manual before using the back pack and always follow the Safety and Maintenance Instructions

# **CAUTION:** This machine shall be stored indoors only

- This machine is intended for domestic and commercial use only
- Do not leave the appliance when plugged in. Unplug from the power point when not in use and before servicing.
- Do not use outdoors or on wet surfaces.
- For domestic use:
  - The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety
- For commercial use:
  - The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge
- Children should be supervised to ensure that they do not play with the appliance.
- Use only as described in this manual. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service centre.
- Extension Cord MUST be secured by the relief retainer in the side of the vacuum cleaner
- Do not pull or carry by cord or plug, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- If the cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any object into openings. Do not use with any opening blocked.
- Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
- Turn off all controls before unplugging.
- Use extra care when cleaning stairs.
- Do not use to pick up flammable or combustible liquids, such as petrol, or use in areas where they may be present.
- A locally approved optional electric power brush shall only be connected to the power outlet.
   (Max Load:200w)

#### **WARNINGS**

#### Do Not

- · Do not vacuum wet surfaces, damp areas or suck up water
- Do not use machine if water has been picked up by the vacuum system without an electrical inspection by a qualified person.
- Do not vacuum anything that is burning or smoking such as cigarettes, matches or hot ashes.
- Do not use the machine in areas where flammable or combustible liquids, vapours or gas are present.
- Do not operate near explosive materials such as solvents, thinners, fuels or grain dust.



#### **SAVE THESE INSTRUCTIONS**

# Packaging

- Every Shadow Vac +PLUS unit comes with:
- A basic set of cleaning accessories: crevice tool, 5 paper filter bags, vacuum hose with elbow hand grip, 2 piece wand, and EZ2GO floor tool.
- Cloth filter bag
- Secondary filter (located under cloth filter bag)

# Assembly

- Remove lid by releasing latches. Remove and check both the cloth filter bag and secondary filter which are included
- Rotate the canister lid so that the vacuum inlet is on the left or right side to suit your 'vacuuming' arm.
- Attach hose end into canister lid inlet.
- Connect both wands together to create one length.
- Attach end of wand to other end elbow pistol grip.
- Attach Ezi-Glide floor tool to other end of wand

# Start Up

- Unwind power supply cord and leave uncoiled on floor.
- Plug the cord into an electrical socket and switch power ON at the power point

# Wearing and Adjusting

- Loosen shoulder straps to allow sliding of arm through the strap comfortably
- Lift machine onto one shoulder, by first inserting opposite arm through the shoulder strap by which the machine is lifted (like putting on a shirt or blouse), slide second arm through opposite shoulder strap so now the Shadow Vac +PLUS is on both shoulders.
- Position the waist-band into the 'small' of your back just above your backside. This will lower
  the centre of gravity of the unit, and positions the weight closer to the body onto the stronger
  pelvic area. It provides freedom of movement for the arms, and prevents the unit from riding
  up the back when forward bending. It also provides greater manoeuvrability with less effort
  for any vacuuming task.
- Tighten the elasticised waist belt by overlapping the hook and loop flaps until secure and comfortable.
- Pull down on both ends of the shoulder strap until the top back padding just makes contact with the back, bringing the unit into a vertical position. The tension in the shoulder straps should be minimal, enabling you to easily insert your fingers easily between the shoulder strap and shoulder.
- Adjust the sternum strap for comfort

# **Controls and Features**

- Switch the vacuum ON. The switch is located at the left hand side at waist level.
- The EZ2GO floor tool can be used for either hard floors or carpet.
- Removing the floor tool
  - Twist the chrome wand while holding the floor tool neck.
  - Do not stand on floor tool.
- The slide regulator on the hand grip of the wand controls the airflow and suction at the floor tool nozzle.
   The resistance between the tool and floor surface depends on floor type and suction. Opening the slide regulator will reduce the resistance. Adjust the regulator to an open position to reduce suction/airflow.
   Good for vacuuming low profile carpets or loose coverings e.g. tapestry, or upholstery corners using the correct vacuuming tool.
- Adjusting the regulator to the closed position increases suction and airflow. Good for plush or thicker pile carpets.
- The (optional) crevice tool is designed for crevice cleaning on upholstered furniture or spot cleaning.
- The (optional) dusting brush is used for upholstery, corner and cornices cleaning.
- Both the crevice tool and dusting brush can be used with or without the chrome wands, simply attach it to the end nozzle of the hose. The main advantage is to reduce the need for physical bending when vacuuming. The plastic ferrule at the chrome wand, allows for easy disconnection.
- For fine dust areas use the (optional) paper bag liners, inside the cloth filter bag.
- The Shadow Vac +PLUS is provided with an integral cord restraint. Ensure that the cord is fitted through the lead guide in order to provide strain relief to the cord.
- The Shadow Vac +PLUS is provided with on board tool storage. Store a crevice tool and dusting brush in the holes provided for ready access.

# Use, Operation and Maneuverability

- The slender profile of the Shadow Vac +PLUS limits the protrusion from the operators back to 270mm. It is important to maintain this clearance to prevent collision while working.
- For comfortable operation of the Shadow Vac +PLUS, stand upright with a relaxed posture, arms hanging loosely to the side. Maintaining a straight wrist, hold the hand grip section of the wand with one hand, parallel to the floor. The double swivel neck on the floor tool more than compensates for any height variance of operators, and maintains a flat vacuuming face to the floor.
- Use an easy arm-swing motion that covers approximately a 600mmstroke when vacuuming.
- Plan the work path based on location of the power point, room/furniture layout, and entrance and exit points
- Commence vacuuming using a systematic approach working one half of the area first, away from the power point and then the other half of the area, returning back to the start.
- Ensure that the power cord is clear of feet to reduce likelihood of tripping.
- When vacuuming under office desks, the reach of the wands is sufficient to avoid bending at the waist.
   When vacuuming under lower profile objects, or when picking up items off the floor, bend the knees and maintain a straight back.

- When turning do not twist at the waist, turn using your feet.
- Once finished, switch the vacuum OFF at the machine, then switch OFF at the power point and unplug from power socket. Remove Shadow Vac +PLUS by unbuckling waist band and sliding strap off one shoulder by sliding hand and arm between shoulder strap and body. Lower unit to the floor using freehand (DO NOT DROP the vacuum unit)

# Maintenance and Storage

#### Cord Storage and Maintenance

- Gather the cord by winding from the machine end, checking for cuts, fractures any exposed wires. Cleaning the cord if soiled. This practice minimises the likelihood of knuckling, and provides a visual inspection of cord. Drape cord over the frame for storage.
- Replace badly kinked or knuckled cords. Knuckling is caused by stretching the cord. Stretching occurs by
  pulling on an entrapped cord, winding the cord from the machine end while still plugged into the power
  point, or winding the cord from the plug end.

#### Filter Bag Maintenance

• The filter bag must be emptied frequently, and the fine dust coating removed from the bag surface. Access the filter bag by releasing the canister clamps holding the lid. To clean, push the bag inside out over a bin, and then brush the surface clean using a soft bannister brush or vacuum. Do not hit the bag against a wall because this may damage the filter media. Check the filter bag for perforations to maintain filtration efficiency.

# Secondary Filter Maintenance

• The secondary filter is located under the filter bag. The filter can be cleaned by thoroughly washing in water with neutral detergent or tap out gently. Ensure the filter is dry before refitting or replace with a clean one while the washed one dries.

#### **Exhaust Filter Maintenance**

- The exhaust filter is located on the vacuum cleaner exhaust. To access, remove screw from end cap, and slide exhaust deflector clear of cap. Squeeze the sides of the exhaust deflector to remove.
- Clean the exhaust filter by thoroughly washing in water with neutral detergent.
- Ensure the filter is dry before refitting.

#### Blockage Checks, Hose and Hose Swivel Maintenance

- Loss of suction can occur due to blockages, check for blockages at the floor tool, bent elbow and along hose length.
- Loss of suction can also occur if the hose splits, check the hose for splits.
- The double swivel action at each hose end may lock when heavily impregnated with dust. To free the
  joint, squeeze together the bayonet click ring retainers and clear the obstructing dust and debris, before
  re-assembling.

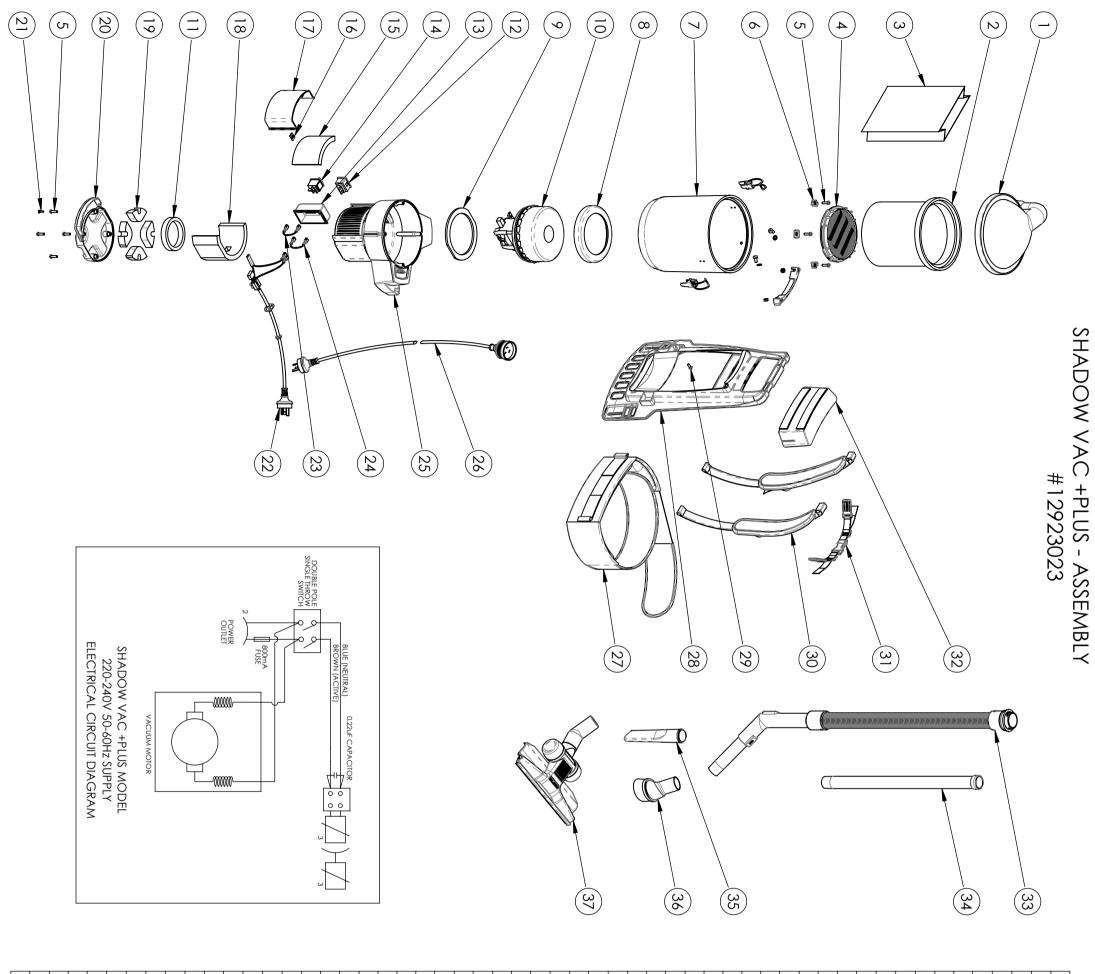
#### **Motor Maintenance**

• Check vacuum motor carbon brushes at regular intervals using qualified personnel.

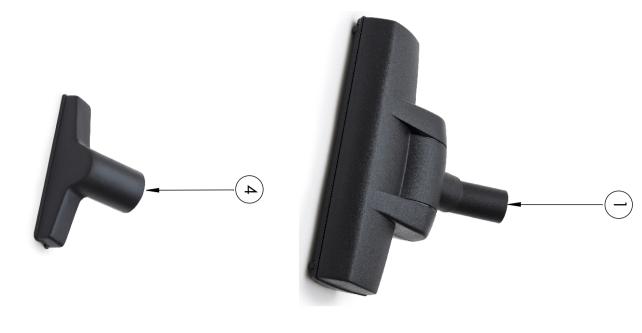
# Specifications

General												
Packaging	<b>Size:</b> 35 x 35 x 53 cm <b>Weight:</b> 9.3 kg	0.250.000.000.0000.000										
Vacuum	Type: Dry Class: Type 2 Double Insulated Approval: RCM	Air Flow Nozzle: 33I/s Suction: 22 kPa Noise: 78 dBA at OEL Weight: 5.0 kg - not including cord and rod										
Filtration												
Cloth Filter Bag	Size: 4 Litre, Antimicrobial polyeste	er needle felt.										
Paper Filter Bag	Size: 4 Litre, double gusseted, plastic lined, high burst strength.											
Motor Pre-Filter	Type: Rinseable Pleated Teflon Coated Polyester Class: H10 HEPA											
Exhaust Filter	t Filter Type: 13mm thick, 60 ppi reticulated foam											
Electrical												
Power Supply	220 - 240V.a.c., 50 Hz											
Power Outlet	2 Pin IEC											
<b>Total Power</b>	1400W	1400W										
Electrical Cord	18 m, 10 A, 3 core ordinary duty											
Motor												
Vacuum Motor	Type: Rated 1200w, 2 stage By-Pass Output Performance: Air flow 48.5 l/s, Suction 24.8kPa, Air Watts 350 Carbon Brush Life: up to 800h											
Warranty	2 year Body, 2 year Motor											
Accessories	<ul> <li>32mm EZ2GO Floor Tool with rubber tread</li> <li>32mm Crevice Tool</li> <li>5 Paper Bag Filters</li> <li>1 x 4 Litre Antimicrobial cloth Bag</li> <li>32mm x 1.2m "Crush Proof" Antimicrobial Hose</li> <li>2 x 495L Corrosion Resistant Stainless-Steel Rods</li> </ul>											

Please note specifications can change without notice.



13806504 Washer HEPA Filter BVC 13806700 Canister Upper Assy BVC 13806700 Canister Upper BVC LGrey 13806514 Canister Upper BVC LGrey 13806513 Tank Fitting BVC LGrey 13806518 Tank Fitting BVC LGrey 13806505 Screw M6 x 12 Pan HD ZP 13420018 Washer Spring M6 x 1.5 x 1.5 Section 1330010 Nut M6 x 9.8AF Hex Steel ZP 13806325 Motor Vac 1000W 240V B/P AMS 13806502 Flotte Mig 2 Hole LGrey 13806526 Plotte Mig 2 Hole LGrey 13806502 Flotte Mig 2 Hole LGrey 13806500 Insulation Lower Canister BVC 13806100 Insulation Lower Canister BVC 13806100 Insulation Lower Canister BVC 13806520 Cover Exhaust BVC LGrey 13806520 Cover Exhaust BVC LGrey 13806100 Insulation Lower Canister BVC 13806100 Insulation Lower Canister BVC 13806520 Cover Exhaust BVC LGrey 13806520 Cord Coupling Orange 4L BVC 13806520 Cord Expension 18m Orange 13827006 Wire Loom B/P Motor Assy 13806103 Wire Blue 180mm 10A 13806103 Wire Blue 180mm 10A 13806103 Wire Brown 180mm 10A 13806103 Wire Blue 85mm PO SW 13806512 Canister Lower BVC LGrey 13600002 Fad Shoulder BVC A Piece Set 16010003 Fad Shoulder BVC A Piece Set 16010003 Fad Shoulder BVC A Piece Set 16010003 Fad Strow WH1412 KB30 x 122 13750002 Frame BVC DGrey 16002006 Fad Shoulder BVC A Piece Set 160100007 Fad Waist BVC 160100007 Fad Waist BVC 160100007 Fad Back BVC 160100007 Fad Waist BVC 160100007 Fad Wa	0/ 10017004 100111001		34 16019003 To		1 \ 0000	132400			32   13750003 Pad Back BVC	31 16018025 Strc	30 13750006 Pa	29 16018028 Scr					24   13806103 Wir	23 13657010 Fus	13806	13806	13806	13806104	13805	13806	133800	13806	22 1382/006 WIR								14 13780014 Swi	13   13806526 Pla			10 13806325 Mc	9 13660002 Go	8 13806497 Sec	133300	134200	133800	13806	133100	13806	7   13806700 Ca		5   13380048 Scr			
	OLLIGOI EFFOO	of Floor F73GO	of Clevice	10,	OCZ EDOW DEI OZITITI DIN	003 Elbox, BEB 32mm Blk	001 Hose Coppedtor 454 32mm	se BEP Tank Fit'n 65 AB Assv	d Back BVC	16018025 Strap Sternum with Adjuster and Buckle	4 Piece		a wds by	A Waist BVC	ord Extension 18m Orange	unister Lower BVC LGrey	re Blue 85mm PO SW	13657010 Fuse Link 4L BVC	13806135 Capacitor 0.22uF	13806107 Wire Blue 180mm 10A	13806108 Terminal Block 2 Way	104 Wire Brown 180mm 10A	13805403 Grommet 7.2mm ID	522 Cable Clamp BVC LGrey	026 Screw WNI412 KB40 X 16Z	)e 4L	=	rew WN1413 KB35 x 14Z	xp Motor Vented BVC LGrey	Ulation Cap BVC B/P	ulation Lower Canister BVC	over Exhaust BVC LGrey	Nut 01219-17-4 ZP	13806097 Filter Exhaust BVC	13780014 Switch Rocker 2HP	xte Mtg 2 Hole LGrey	cket Outlet C18	30Kg	B/P	Gasket B/P Motor	aling Ring BVC	13330010 Nut M6 x 9.8AF Hex Steel ZP	1.53	13380050 Screw M6 x 12 Pan HD ZP	13806518 Tank Fitting BVC LGrey	006 Latch Toggle Canister Lid Ni Pl	514 Canister Upper BVC LGrey		asher HEPA Filter BVC	13380048 Screw WN1412 KB50 x 20Z	er HEPA 4L BVC rew WN1412 KB50 x 20Z	$\times$ 1 1	13806253 Filter Bag 4L Antimicrobial BVC 13806372 Paper Bag 5 Pkt BVC 13806500 Filter HEPA 4L BVC 13380048 Screw WN1412 KB50 x 20Z



5



ITEM NO. PART NUMBER

16019005

Tool Turbo Brush 32mm

**OPTIONAL ACCESSORIES** 

DESCRIPTION

QTY







# SHADOW VAC ACCESSORIES

6

16019016

Tool Hard Floor 32mm x 360mm Wide

Tool Electric Brush 32mm x 355mm Wide

5

16019017

4

16019007

Tool Upholstery 32mm

ω N

16019014

Tool Mega Gulper Pro 32mm x 385mm Wide

Tool Combination 32mm x 300mm Wide

16019006

# **General Warranty Policy**

Hako Australia Pty Ltd ACN 002 858 059 ("Hako") warrants to the original purchaser that the equipment specified in this manual ("Equipment") is free from defects in workmanship and materials under normal use for a period of 12 months.

Under this warranty, after examination discloses it to have been defective, Hako will repair or replace at its factory or authorised dealer service outlet, parts of the Equipment that fail under normal use and service, when operated and maintained in accordance with the applicable operation and instruction manuals.

All warranty claims must be submitted via the Hako-authorised dealer or service agent the item was purchased.

The purchaser is responsible to return the defective goods at their expense, to the Hako-authorised dealer or service agent the item was purchased from.

This warranty does not apply to components replaced due to recommended service schedules, normal wear and tear or to items whose life is dependent on their use and care.

Use of replacement parts not manufactured or supplied by Hako will void all warranties expressed or implied and may give rise to a potential health hazard. All parts replaced under this warranty become the sole property of Hako or its original manufacturer, whichever the case may be.

This warranty is applicable only to the original purchaser. Hako is not responsible for costs or repairs performed by persons other than those specifically authorised by Hako. This warranty does not apply to damage from transportation, alterations by unauthorised persons, misuse or abuse of the equipment, use of non-compatible chemicals or parts, or damage to property, or loss of income due to malfunction of the Equipment. If a difficulty develops with this Equipment you should contact the dealer from whom it was originally purchased.

The warranty coverage period on Equipment will commence 1 year after the date of shipment from Hako to its dealer or authorised agent unless the Equipment is sold before this time. This sale date would then be the beginning date of the warranty coverage.

The following statements only apply to a consumer sale of goods or services as defined in the Australian Consumer Law. In this statement, 'Our' means 'Hako' and 'you' means 'original purchaser':

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

To the extent permitted by law, all other warranties whether implied or otherwise, not set out in these warranty terms and conditions are excluded and Hako is not liable in contract, tort (including, without limitation, negligence or breach of statutory duty) or otherwise to compensate you for:

- any increased costs or expenses;
- any loss of profit, revenue, business, contracts or anticipated savings;
- any loss or expense resulting from a claim by a third party; or
- any special, indirect or consequential loss or damage of any nature whatsoever caused by Hako's failure in complying with its obligations.

The benefits given to you in this warranty are in addition to other rights and remedies under a law in relation to the Equipment or services to which this warranty applies.

# Warranty Registration Details

Purchaser:			Purchase	date:
Address:				
State:	PostCode:	Contact:		ph:
ModelNo.:	SerialNu	ımber:		
Purchased from:				
Address:				

Please attach copy of receipt.

## **Hako Australia Pty Ltd**

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