

Wallpro®
TRADE TOOLS

VOLITO™
Wallpro

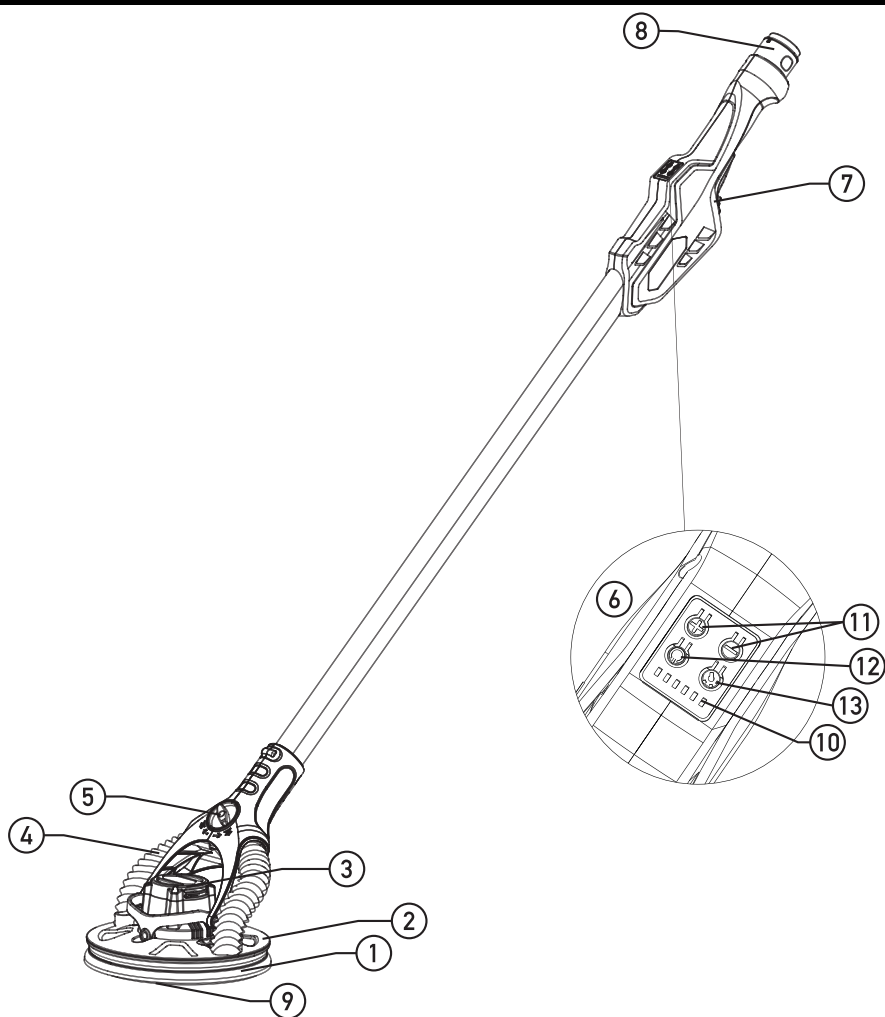


VOLITO BRUSHLESS ORBITAL SANDER

**OPERATING
INSTRUCTIONS**

MODEL PS-400

View of Key Components



1. LED Light
2. Sanding Head
3. Brushless Motor
4. Dust Extraction
5. Extraction Flow Control Knob
6. Control Panel
7. ON/OFF Switch

8. Quick-Change Hose Connector
9. Backing Plate
10. Speed Indicator
11. Increase/Reduce Speed Control
12. Start/Stop Button
13. LED Switch

Technical Specifications

Model Number	PS-400
Voltage	220-240V / 50Hz
Power	400W
Rotation Speed	4000-8500min
Abrasive Dia.	225mm
Sanding Stroke	4mm
Net Weight	3.6kg

General Safety Rules



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



Save all the warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. WORK AREA SAFETY

- a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. ELECTRICAL SAFETY

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (RCD) protected supply. Use of a RCD reduces the risk of electric shock.

3. PERSONAL SAFETY

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack or when picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

General Safety Rules (continued)

- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust related hazards.

4. POWER TOOL USE AND CARE

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.
- i) Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- j) Do not convert this power tool to operate in a way which is not specifically designed and specified by the tool manufacturer. Such a conversion may result in a loss of control and cause serious personal injury.
- k) The dimensions of the accessory mounting must fit the dimensions of the mounting hardware of the power tool. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

5. SERVICE

- a) Have your power tool service by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

Safety Instructions for Brushless Sander

1. SAFETY INSTRUCTIONS FOR ALL OPERATIONS

- a) This power tool is designed to be used as a sander with sanding pads. Read all safety instructions, information, illustrations and technical data enclosed with the machine. If the following instructions are not observed, this may lead to electric shock, fire and/or serious injuries.
- b) This power tool is not recommended for grinding, polishing, wire brushing or cutting off operations. Operations for which the power tool was not designed may create a hazard and cause personal injury.
- c) Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.
- d) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can fly apart.
- e) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.
- f) Sanding discs, flanges, sanding pads and other accessories must be fully compatible with the spindle on your power tool. Insertion tools which are not fully compatible with the spindle on the power tool will rotate unevenly, vibrate strongly and may lead to loss of control.
- g) Do not use insertion tools that are damaged. Before each use, check insertion tools such as sanding discs for chipping and cracks and sanding pads for cracks, wear or heavy abrasive wear. If the power tool or insertion tool is dropped, check whether it is damaged. Damaged insertion tools will generally break after a short time.
- h) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.
- i) Do not attach a saw chain woodcarving blade, segmented diamond wheel with a peripheral gap greater than 10mm or toothed saw blade. Such blades create frequent kickback and loss of control.
- j) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- k) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of the workpiece or of a broken accessory may fly away and cause injury beyond the immediate area of operation.
- l) Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. A cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- m) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged, and your hand or arm may be pulled into the spinning accessory.
- n) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.
- o) Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- p) Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

Safety Instructions for Brushless Sander (continued)

- q) Do not operate the power tool near flammable materials. Sparks could ignite these materials.
- r) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

2. KICKBACK AND RELATED WARNINGS

- A kickback occurs as a result of using the power tool incorrectly or misguidedly. It can be prevented by taking appropriate precautions, as described below.
 - Hold the power tool firmly with both hands and move your body and arms into a position that allows you to intercept the kickback forces. Always use the additional handle, if there is one, so that you have the best possible control over the kickback forces or torque reactions during startup. The operator can control the kickback and reaction forces by taking suitable precautionary measures.
 - Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.
- a) Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.
 - b) Never place your hand near the rotating accessory. The accessory may kickback over your hand.
 - c) Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in the direction opposite to the wheel's movement at the point of snagging.
 - d) Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

Health Hazard by Dust



WARNING! Various dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically treated timber.

The risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles. Wash hands after handling.

Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarize yourself with them to reduce hazards like personal injuries and damage to property.

V ~	Volt,(alternating voltage)	mm	Millemetre
dB(A)	Decibel (A-rated)	W	Watt
Hz	Hertz	kg	Kilogram
/min or min ⁻¹	Per minute	m/s ²	Metres per seconds squared

Symbols (continued)



Lock / to tighten or secure



Note / Remark



Read the instruction manual



Wear eye protection



Wear protective gloves



Switch the product off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.



Australian regulatory compliance mark.



Unlock / to loosen



Caution / Warning



Wear hearing protection



Wear a dust mask



Wear protective, slip-resistant footwear.



Class I protection in electrical equipment means the device relies on an earth connection (ground) for safety, in addition to basic insulation.



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

General

- The brushless sander is designed for sanding jointed plasterboard constructions, ceilings and walls indoors and also for removing carpet residue, coats of paint, coverings, adhesives and loose plaster. When sanding outside or in damp rooms, an isolating transformer must be used.
- This tool should not be used by people under the age of 16 years.
- This tool 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 tool by a person responsible for their safety.
- Ensure that children do not play with the tool.
- This tool is not suitable for wet sanding.
- Always disconnect plug from power source before making any adjustment or changing any accessory.

Before Use

- Before using the tool for the first time, it is recommended to receive practical information.
- Always check that the supply voltage is the same as the voltage indicated on the nameplate of the tool (tools with a rating of 230V or 240V can also be connected to a 220V supply).
- Use suitable detectors to find hidden utility lines or call the local utility company for assistance (contact with electrical lines can lead to fire or electrical shock).
- Do not work materials containing asbestos (asbestos is considered carcinogenic).
- Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful (contact with or inhalation of the dust may cause allergic reactions and/ or respiratory diseases to the operator or bystanders); wear a dust mask and work with a dust extraction device when connectable.
- Certain kinds of dust are classified as carcinogenic (such as oak and beech dust) especially in conjunction with additives for wood conditioning; wear a dust mask and work with a dust extraction device when connectable.
- Follow the dust-related national requirements for the materials you want to work with
- Do not clamp the tool in a vice
- Use completely unrolled and safe extension cords with a capacity of 16 Amps (U.K. 13 Amps)

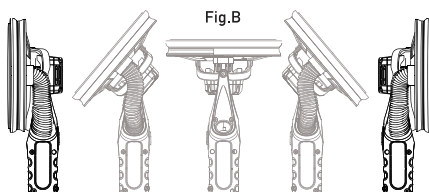
After Use

- After switching off the tool, never stop the rotation of the accessory by a lateral force applied against it.

Use

Sanding head

- The sanding head is 180° flexible, enabling the operator to reach the surface to be sanded from different angles. The power tool can track the operator's movements, so the operator can adopt an ergonomic working position. (fig.b)



Use (continued)

Replacing the backing plate interface pad and sanding pad (fig.c)

TOOLS REQUIRED: S type screwdriver

- Untighten the screw to remove the backing plate.
- Remove hole screws. (8 pcs)
- Remove the old plate.
- Attach the new backing plate to the spindle and tighten the plate screw with the screwdriver.

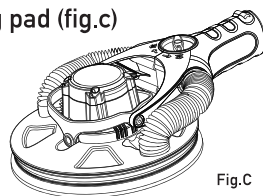
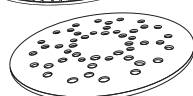


Fig.C

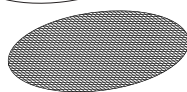
Changing the interface pad

- It is recommended to always use the backing pad when sanding. Remove the old pad by peeling it away from the sanding plate.
- Align the new pad carefully and press firmly to ensure the hook and loop grip securely to the full circular surface. Check alignment before use for optimum performance.



Changing the sanding pad

- Wallboard Tools Ceramic Super Mesh is the first choice.
- Remove the old sanding pad and replace with a new one.



WARNING! Only install the specified sanding pad on the machine. To ensure optimal performance, the machine should be run at slightly lower speed for several minutes to make the grinding pad fit the sealing surface perfectly. During this process, the white foam particles will come out from the sanding head. However, this won't damage the machine.

Dust Suction

- Wallpro machine with an extractor hose diameter of 45mm.
- Connect the Wallpro quick change dust hose with the machine.
- Connect the brushless sander with vacuum.
- Selecte your required mode of suction.
- Flow control knob position A: Double dust collection channel, for quick dust collection. (fig.d)
- Extraction flow control knob position B: Single dust collection channel, perfect for ceiling sanding. (fig.e)

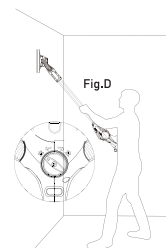


Fig.D

Switching the machine on and off

- Turn on/off trigger to power on and off
- Press Start/Stop button  to turn on and off the sander
- Switching the LED light on and off by pressing 
- Pressing  to increase the speed
- Pressing  to decrease the speed

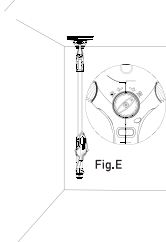


Fig.E

Sanding Operations

Once the machine and vacuum cleaner are set up and all safety measures and equipment are in place, begin by turning on the vacuum cleaner and then the machine. (If you are using a vacuum cleaner with integrated switching, then simply turn the machine on.)

Round sanding head

- Begin sanding and carefully contact the work surface as lightly as possible, just enough to keep the sanding head flat against the surface.
- The pivot point in the sanding head allow the sanding disc to follow the contours of the work surface.

Electronics

The power tool is equipped with a brushless motor for a long service life and power electronics with the following properties:

- Smooth start-up - The electronically controlled smooth start-up ensures that the machine starts up jolt-free.
- Constant speed - The preselected motor speed is kept constant through electronic control to ensure a uniform sanding speed up to a certain load.
- Overload protection - If the pressure becomes too high while working, the power of the machine will be automatically reduced to prevent overheating.
- Overheating protection - Overheating protection is triggered when the pressure is too high or the cool air openings are dirty. The power tool beeps three times and switches off. Let the power tool cool down for approx. 15 minutes before using it again.
- Speed memory - You set a speed and turn off the machine after use. When you turn on the machine again, the speed is the same as last time you set.



Ensure that the sanding pad you are using is suited to the task. Overly coarse grit size may remove material too quickly to control. While overly fine grit size may clog too often and not shape down the surface.



Take care to avoid sharp projections and nails, etc. This will wipe out the sanding pad and probably damage the sponge pad as well.

Maintenance / Service

- Store the tool in a dry and locked up place, out of reach of children.
- Always keep tool and cord clean (especially ventilation slots)

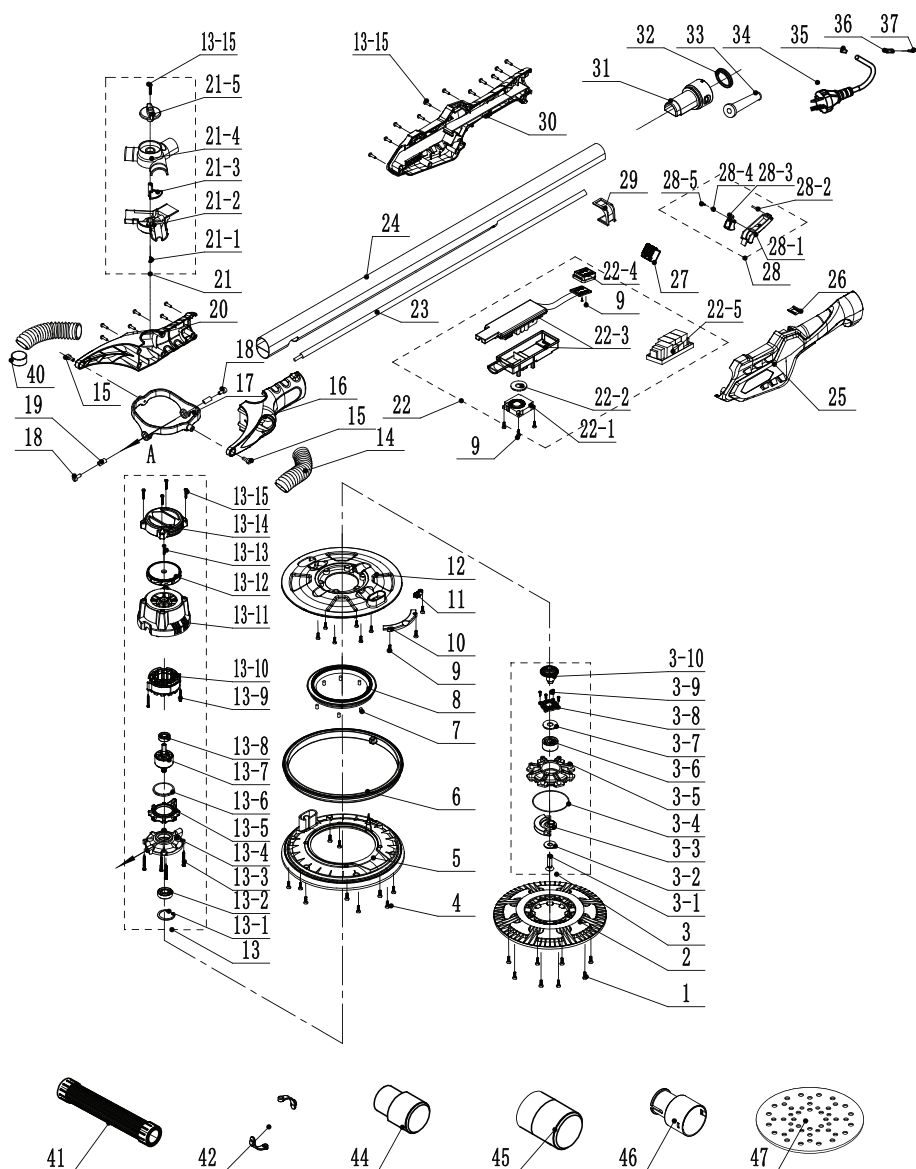


Do not attempt to clean ventilation slots by inserting pointed objects through openings.



Disconnect the plug before cleaning.

PS-400 Exploded View



PS-400 Parts List

No	Parts name	Qty
1	Screw M4*20	8
2	Sanding Plate Base	1
3-1	M5*10 Screw	1
3-2	Spring Plate	1
3-3	Eccentric Block	1
3-4	O Ring	1
3-5	Eccentric Block Aluminium	1
3-6	Bearing R3202-RS	1
3-7	Washer	1
3-8	Bearing Cover Plate	1
3-9	Screw M4*8	4
3-10	Eccentric Shaft	1
4	Screw ST4*12	10
5	Round Pad	1
6	Led Light Assy	1
7	Round Pin	6
8	Seal Ring	1
9	Screw 3*8	8
10	Press Wire Ring	1
11	Press Wire Plate	1
12	Round Pad Cover	1
13-1	Circlip	1
13-2	Bearing 6001 2RS	1
13-3	Screw ST4*25	4
13-4	Middle Cover	1
13-5	Wire	1
13-6	O Ring	1
13-7	Rotor	1
13-8	Bearing 608z	1
13-9	Screw ST3*25	2
13-10	Stator	1
13-11	Housing	1
13-12	Fan Assy	1
13-13	Screw M4*12	1
13-14	Back Cover	1
13-15	Screw 4*16	29
14	Dust Tube	2
15	Screw 4*8	2
16/20	Left/Right Holder	1
17	Gymbal	1
18	Screw Shaft	2

No	Parts name	Qty
19	Stainless Steel Sleeve	2
16/20	Left/Right Holder	1
21	Controls Assembly	
21-1	Screw ST4*16	1
21-2	Connector Down Cover	1
21-3	Windscreen	1
21-4	Connector Up Cover	1
21-5	Flow Control Knob	1
22-1	Cooling Fan	1
22-2	Dust Proof Mat	1
22-3	Controller Assy	1
22-4	Speed Controller Board Box	1
22-5	Led Circuit Board	1
23	Cable	1
24	Alu. Tube	1
25	Left Main Handle	1
26	Self Lock Sheet	1
27	Switch	1
28	Switch Trigger Assy	1
28-1	Switch Trigger	1
28-2	Round Pin	1
28-3	Switch Button	1
28-4	Trigger Spring	1
28-5	Round Pin	1
29	Wire Through Baffle	1
30	Right Main Handle	1
31	Dust Tube Connector	1
32	Dust Proof Mat	
33	Sleeve	1
34	Cable	1
35	Round Buckle	1
36	Rivet ϕ 4*8	1
37	Screw M4*12	1
40	Rubber Tube	1
41	3.6m Hose	1
42	Connector Buckle	2
44	35# Hose Connector	1
45	47# Hose Connector	1
46	Hose Connector	1
47	Interface Pad Wallpro	1

Warranty

Wallboard Tool Co Pty Ltd warrants that this product will be free from any defect in materials or workmanship for twelve (12) months from your Purchase Date (noted on your invoice or receipt).

At its discretion, Wallboard Tool Co Pty Ltd will either repair or replace your product, if it is found on inspection by Wallboard Tool Co Pty Ltd or a registered and approved Wallpro Service Agent to have any such defect.

WARRANTY CLAIM PROCEDURE

To make a claim under this Warranty, you must:

- First contact the Wallboard Tool Co Pty Ltd distributor where you purchased the product.
- Return the product to the distributor accompanied by the proof of purchase. (invoice or receipt)

You will be responsible for the delivery to and collection of the product from the distributor.

WARRANTY APPLICATION

This Warranty applies only:

1. To a product sold to you by Wallboard Tool Co Pty Ltd or by a Wallboard Tool Co Pty Ltd distributor.
2. If you use the product for your private or business purposes.

WARRANTY EXCLUSIONS

This Warranty will not apply if any of the following occurs during the relevant warranty period:

1. The product is serviced or repaired by anyone other than by a registered and approved Wallpro service agent.
2. You use a Product contrary to the technical or operating environment guidelines recommended in its user guide or manual.
3. Any wear parts included in your product, (for example: including but without limitation: Velcro Foam Adaptors, Bearings, Bit Tips, Carbon Brushes, etc), reaches the end of its service life.
4. A product's malfunction or failure to perform to Wallboard Tool Co Pty Ltd specifications results from:
 - a. deliberate or accidental damage; or
 - b. neglect or modification; or
 - c. incorrect voltage or a power surge; or
 - d. use of non-genuine replacement parts or accessories.

Warranty (continued)

NON-GENUINE ITEMS

If you use non-genuine replacement parts in the product, you may damage the product and may invalidate this warranty.

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.

Details of the company giving this warranty:

Wallboard Tool Co Pty Ltd
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Phone: +61 7 5535 7655
Email: cs@wbtco.com.au

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