



POLIVAC GAS BURNISHER 38" GAS BUFFING MACHINE GASS38KAW



Operations Manual & Trouble Shooting Guide

OWNER'S MANUAL TABLE OF CONTENTS

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IMPORTANT

The following details should be recorded here for your records.

- **Machine Model:** _____
- **Machine Serial Number:** _____
- **Motor Type:** _____
- **Motor Serial Number:** _____
- **Purchase Date:** _____
- **Purchase From:** _____
- **Invoice Number:** _____

INTRODUCTION

Congratulations on your purchase of a Polivac High Speed Gas Buffing Machine.

This machine has been designed to produce an optimum result with a minimum of effort and investment.

For you to receive the utmost from your investment and keep your machine serving you for many years to come, you will need to establish a proper maintenance schedule.

Premature failure of the engine can be quite expensive and is the major reason for machine downtime.

It is essential that the items listed below are constantly addressed.

NB This manual should be read and implemented in conjunction with the motor manufacturers manual.

1. **OVERHEATING** is the major cause of engine failure. Keep the cooling air debris filter clean. Protect your machine and allow any foreign matter to build up on the cooling fins of the engine.
2. **LOW AND DIRTY OIL** is the next most common cause of the engine failure.
 - Change the oil according to the motor manufacturers recommendations and check the oil level and condition daily before each use.
3. **YOUR GAS BUFFER MUST NEVER BE TILTED ON TO THE LEFT HAND SIDE (VIEWING FROM BEHIND THE UNIT).**
 - This will cause oil to seep into the carburettor and head of the engine, which will cause excessive smoking and damage to the engine and regulator system.

USE AND CARE

Before using any new equipment, Polivac strongly recommends following safety precautions for all owners and operators of gas-powered equipment.

SAFETY PRECAUTIONS

1. Polivac recommends the wearing of protective ear-wear as continuous exposure to high noise levels may cause damage.
2. Do not touch the hot muffler/exhaust.
3. Do not allow any person to come in to contact with the rotating pad and keep other people away from machine whilst it is in operation.
4. Do not leave machine unattended whilst running.
5. Do not leave machine accessible to untrained persons.
6. Do not operate the machine if the pad is off centre, damaged or missing. Substantial damage to the floor, the machine or injury to personnel may result.
7. Vibration from machinery may cause numbness or tingling of the fingers in certain people. Smoking, dampness, diet and heredity may contribute to the symptoms. Wearing warm clothing gloves, exercising and refraining from smoking can reduce the effects of the machine.
8. The machine should be checked for any loose or damaged parts.
9. If a headache develops whilst machine is in operation it should be stopped and checked for carbon monoxide emissions by a qualified repair agent.
10. If the smell of gas is evident, stop using the machine and take it outdoors. Have the source of the leak repaired before continuing operation.
11. Never vent gas inside a building.
12. If your machine develops a high-pitched whistle, stop the engine and check the oil level. (Note newer model are fitted with an alarm or cut off switch)

UNPACKING INSTRUCTIONS

Polivac gas buffers comes packaged in a palletised box designed to protect and secure the machine during transportation. The machine is supplied with no gas cylinder. Before signing the delivery receipt, inspect the packaging for damage (Remove box and check machine for damage). If damage is evident, note the damage on the delivery receipt and contact your supplier.

MACHINE OPERATION

1. Adjust handle to a comfortable working height and tighten belts.
2. Check the engine oil level and condition.
3. Secure the gas cylinder on a machine (at the back of the machine) and lock the belts.
4. Fit and secure gas cylinder hose.
5. Open gas cylinder valve.

STARTING THE ENGINE

1. Set the throttle to the start position.
2. With the gas cylinder valve open, press the start button until the engine begins operation, which shouldn't be any longer than 4-5 seconds (in a normal weather condition).

Run the engine at slow throttle position for approximately two minutes to allow efficient warm up. Advance to full throttle (Run) and run machine. Preferably your machine should not be operated at anything less than full throttle because a lower speed will cut down the incoming fresh air that is required for the cooling of the engine.

OPERATION OF BUFFER

With the engine at full throttle, slowly bit the buffer forward until the pad starts to contact the floor. Then proceed to walk forward with the pads in full contact with the floor.

Warning: When the pads are moving, the machine must be tilted back or on the floor moving

When buffing, avoid any loose surfaces, electrical points, door trims and any object which may come in a contact with the brushes/pads other than the floor itself.

STOPPING THE ENGINE

1. Tilt the machine back to allow the pad to be off the floor.
2. Return the throttle to the start position.
3. Turn the valve on the gas cylinder and allow the engine to run until stopping due to lack of gas.
4. Remove the gas line hose from the cylinder.

MAINTENANCE

1. Prior to Use:

- Check the oil level and condition.
- Clean and/or replace engine and carburettor filters.
- Check pad condition.
- Clear engine cooling vanes.
- Check all gas lines and fittings for damage, cuts or leaks.

2. 20 Hours / Weekly:

- Check pad holder and drive system for any loose or worn parts.
- Check drive belt for wear or slippage, adjust or replace as necessary.
- Check pulleys for tightness.
- Check handle bolts, wheel bolts and engine mounting bolts for tightness.
- Check throttle cable for wear.
- All point in 1.

3. 25 Hours 1 Bi-weekly:

- Change oil
- All points in 1 & 2.

4. 40 Hours / 1 Monthly:

- Recommended interval for carbon monoxide test.
- All points in 1, 2 & 3.

5. 100 Hrs / 16 Months:

- Change spark plug.
- All points in 1, 2, 3 & 4.

6. 300 Hours / Yearly:

- Return machine to authorised service centre for complete service.
- Valve clearance to be checked.
- All points in 1, 2, 3, 4 & 5.

IMPORTANT NOTICE

Polivac would like to direct your attention to the following issues so that correct and safe operation of your gas-powered floor buffer is achieved. The superior performance of gas buffers has led to an increased demand for the use of this type of floor maintenance equipment. This highlights the need for responsible manufacturers, owners and operators to stress the importance of safety. These maintenance points are a guideline to the upkeep of your machine. A more stringent program may be required depending on the type and amount of use that your machine will be subject to.

DO'S

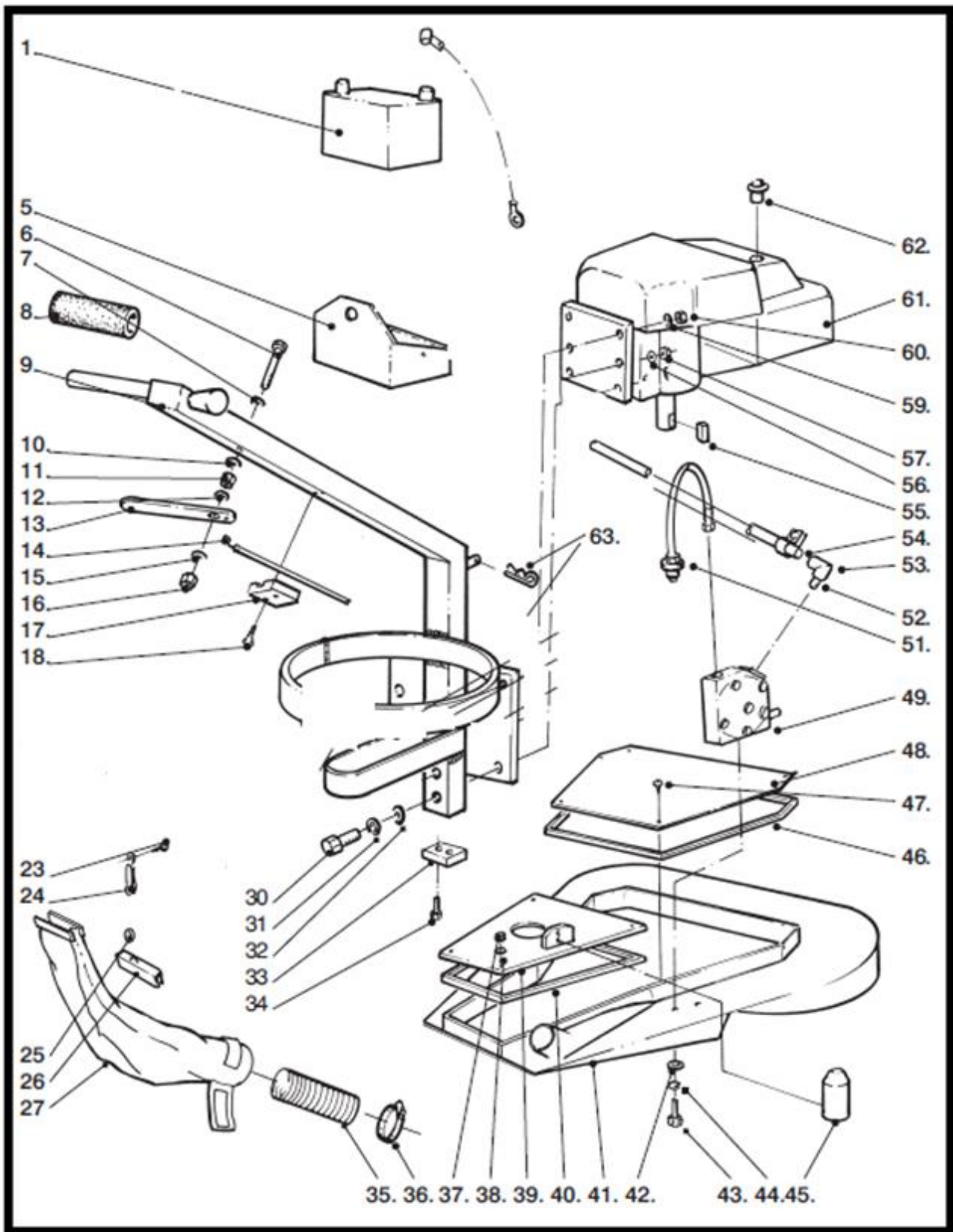
- **DO** check oil level before starting. It is important that the oil is maintained at the correct level for proper lubrication and cooling of the engine. Consult the motor manufacturers manual for correct capacity and oil specifications.
- **DO** check fuel level and hose connection before starting. The entire unit should be visually checked for any loose or damaged hoses, fittings and connections.
- **DO** keep the debris filter clean (foam filter on top of motor) and free of any dust or lint. Any obstructions to the cooling system can cause excessive heating and premature failure of the engine.
- **DO** change the oil at least every month / 140 Hours. One of the primary functions of the oil is to cool the motor. When the oil is dirty or not kept to adequate levels it cannot cool the motor efficiently and can cause premature failure resulting in costly repairs and down time.
- **DO** check belt tension before starting. Incorrectly adjusted belts will cause slipping and premature wear. The belt should have approximately movement when depressed.
- **DO** carry out routine maintenance as specified. This will prevent any unnecessary down time of your machine.
- **DO** run the machine at full throttle. Running the machine at a lower speed will cut down the incoming fresh air that is required for the cooling of the engine.

DON'TS

- **DO NOT** overfill the gas bottle. Overfilling will cause severe damage to the motor and the gas regulator.
- **DO NOT** tip the machine over on its left-hand side. If it is tipped on this side the oil in the motor will run through the carburettor. This will cause the inability of the unit to start or excessive smoking if it does start.
- **DO NOT** use starting fluid to assist with hard to start engines. Starting fluids can leave a hot spot on the piston, which will cause premature failure of the engine.
- **DO NOT** apply unnecessary pressure up or down on the stripping machine handle. Machine should float easily across the floor.
- **DO NOT** over fill oil. Refer to the motor manufacturers manual for specifications and capacity.
- **DO NOT** spray buff. The Polivac buffer is designed as a dry buffer only.
- **DO NOT** buff any floor that has not been properly swept. Loose debris on the floor can become hazardous flying missiles.
- **DO NOT** modify the unit in any way without the written permission of the Polivac International Pty. Ltd. Any unauthorised modifications will void the warranty and Polivac International Pty. Ltd. Will not be responsible for any damages to the unit or caused by the unit.
- **DO NOT** replace the brushes or make any adjustment whilst the motor is running or the gas is turned on.

38" GAS BURNISHER

TOP PARTS DIAGRAM – GASS38KAW/ GASS38KOH

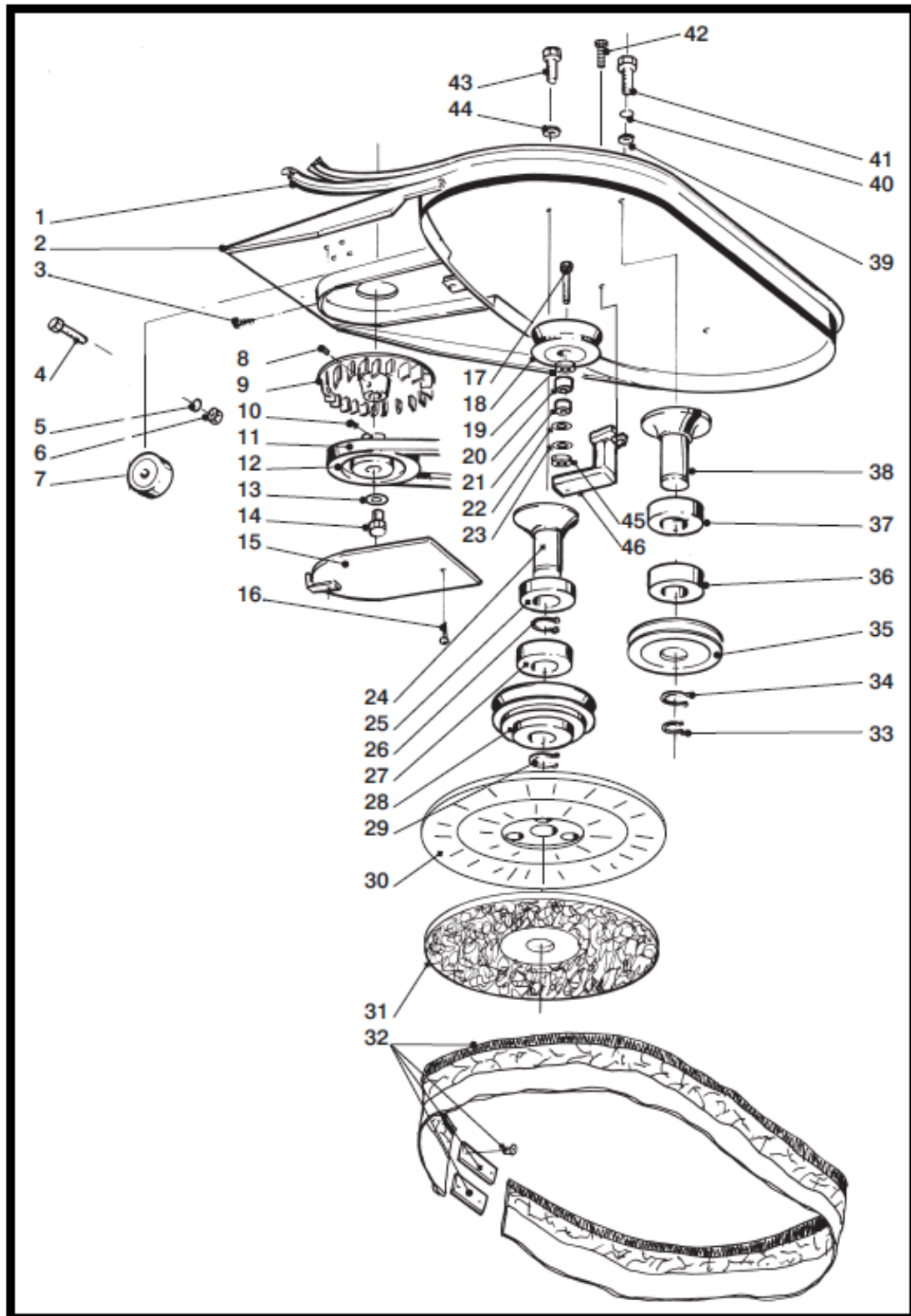


TOP PARTS LIST – GASS38/GASS38KOH

No.	CODE	DESCRIPTION	No.	CODE	DESCRIPTION
1	GG007	Battery	36	VPV094	Clamp
5	GG003	Battery Holder	37	STR058	Nut
6	SLB030	Bolt	38	GAS069	Washer
7	AAG236	Washer	39	GG028	Motor Base
8	VPV605	Handgrip	40	VPV251	Gasket
9	GG002	Handle Assy.	41	GG001	Base
10	AAF140	Nut	42	AAG236	Washer
11	GAS041	Spring Washer	43	AAA564	Bolt
12	AAG236	Star Washer	44	GAS041	Spring Washer
13	GG006	Throttle lever	45	GGA024	Solenoid (Honda Eng.)
14	GG004	Throttle Cable	46	VPV251	Gasket
15	GAS041	Spring Washer	47	GG053	Screw + Star Washer-AAJ451
16	AAF140	Nut	48	GG034	Top Cover
17	GG030	Clamp Throttle Control	49	GAS013	Gas Regulator
18	GG052	Screw	51	GG012	Gas Bottle Hose
23	AAK838	Pop Rivet	52	GAS035	Elbow
24	VPV120	Dust Bag Hook	53	GSS002	Gas Hose
25	VPV156	Ring	54	GAS070	Clamp
26	VPV051	Closure	55	GAS089	Key
27	VPV063	Dust Bag	56	GAS069	Washer (Honda Eng.)
30	GAS053	Bolt	57	STR058	Nut (Honda Eng.)
31	GAS054	Spring Washer	59	GAS069	Washer (Honda Eng.)
32	AAG470	Washer	60	STR058	Nut (Honda Eng.)
33	GGA040	Bumper Pad	61	GSS114	Motor – KAWASAKI20Hp
34	SLB033	Set Screw	62	GAS018	Start Button
35	GG048	Hose	63	VPA954	Clip

38" GAS BURNISHER

BASE PARTS DIAGRAM



BASE PARTS LIST – GASS38/GASS38KOH

No.	CODE	DESCRIPTION	No.	CODE	DESCRIPTION
1	PPR002	Continental Trim	22	GAS031A	Circlip
2	GG001	Base	23	AAG470	Washer x 5
3	AAA564	Screw	24	GG019	Spindle / Shaft
	AAG236	Washer	25	GG021	Bearing
	GAS041	Washer	26	GSS036	52mm Circlip
4	GG062	Bolt Wheel	27	VPA570	Bearing
5	GAS069	Washer	28	GG020	Pad Pulley
6	STR058	Nut	29	GAS031A	47mm Circlip
7	GG013	Wheel	30	SLB027	Pad Holder Assy. (AMENDED)
8	GSS044	Grub Screw	31	P50JACKAROO	Jackaroo Pad
9	GG006	Vac Fan	32	GG041A	Nylon Skirt Assy.
10	GSS044	Grub Screw	33	GG026	17mm Circlip
11	GG017	Belt	34	GG025	40mm Circlip
12	GG014	Drive Pulley	35	GG018	Pulley Front
13	GG056	Washer	36	VPA570	Bearing
14	GG055	Bolt	37	VPA570	Bearing
15	GG029	Vac Fan Cover	38	GG023	Spindle Fixed
16	GAS049	Screw	39	AAG470	Washer
	AAG365	Washer	40	GAS054	Spring Washer
	GAS045	Washer	41	SLB034	Bolt
17	STR056	Bolt	42	AAA564	Screw
18	GG015	Idler Pulley	43	GAS086	Bolt
19	GSS032	Spacer x 2	44	GAS054	Spring Washer
20	VPA570	Bearing	45	GG032	Spacer
21	VPA570	Bearing	46	GSS016	Belt Tensioner



WARRANTY POLICY

1. When a warranty repair is requested, the purchaser must first contact any of Polivac's authorized Service Centres with proof of purchase and details of the alleged defect. In most instances, the request for warranty brought to the attention of our Service Centres or Agents is handled in a prompt routine manner with no question as to its validity. However, some requests for warranty are not justified. In these cases, product owners will be made aware that the premature failure of their product was the result of a cause not covered by Warranty.
2. The Polivac warranty covers only DEFECTIVE MATERIAL and/or DEFECTIVE WORKMANSHIP. It does not cover labour.
3. Polivac products are warranted for twelve (12) months from date of purchase by the original purchaser against faulty workmanship or material. The warranty covers only the replacement, repair or adjustment of any part which in the opinion of Polivac fails because of a fault in materials or workmanship:
 - a) drive motors and gearbox assemblies on electrical products carry a two (2) years warranty
 - b) bodies of carpet extraction products and vacuum cleaners carry a three (3) years conditional warranty.
 - c) battery warranty of twelve (12) months is as provided by the manufacturer. Terms available on request.
4. Where the product has been rented out by a Hire or similar company, the warranty period is reduced to three (3) months.
5. This warranty does not cover service calls, travelling time or consumable parts - e.g. drive belts, chains, flexible skirts or hoses, dust bags, main leads, brushes, buffers, buffer strips, sanding discs, light bulbs, nozzles, filters, pressure pumps, piston seals, diaphragms, squeegees and like items.
6. In the case of proprietary components used by the manufacturer in the product, such as engines, electrical motors, chargers and the like, Polivac will pass on any warranty provided by the manufacture of such items.
7. Accidental damage, abuse, misuse or neglect of the product is not covered by warranty.
8. Fair wear and tear and where the product have been used other than for the purpose for which it was designed is not covered by warranty.
9. Use of non-approved chemicals and detergents in the product will void the warranty.
10. Products that have been modified are not covered by warranty.
11. Products that have not been serviced at their recommended intervals by an authorised Polivac Service Centre or Agent are not covered by warranty
12. Damage to, or failure of, the product which has resulted from low or high voltage, the use of an incorrectly sized extension lead, or a coiled electrical extension lead is not covered by warranty.
13. Repairs carried out on the product by any person other than an authorized Polivac repairer will void the warranty.
14. All freight charges to and from the manufacturer, agent or service centre will be the responsibility of the Distributor.
15. A charge for traveling time and labour will be applicable for on-site warranty service.
16. Polivac reserves the right to replace defective parts of the product with parts or components of similar quality, grade and composition where an identical part or component is not available. Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired.

POLIVAC WARRANTY IS SUBJECT TO THE LAWS AND REGULATIONS OF THE INDIVIDUAL STATES AND COMMONWEALTH TERRITORIES OF AUSTRALIA. THIS WARRANTY IS NOT TRANSFERRABLE.



POLIVAC



EXCELLENCE FOR OVER **50 YEARS**