



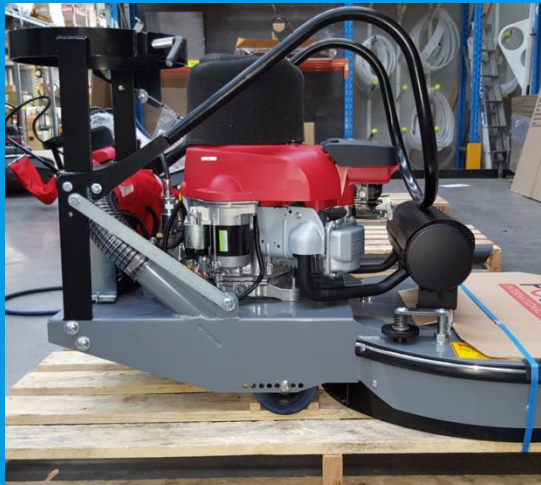
GAZ20 / GAZ24

INSTRUCTION MANUAL

MODELS



UNPACKING THE MACHINE



1. Remove from pallet
2. Undo handle bolts and return to operating position.
3. Reconnect bolts when handle is in position
4. Re-attach dust bag to handle.

SAFETY

Important notice

For safety reasons it is important you read this safety awareness manual prior to operating your LPG power product.



L.P.G Safety Awareness Manual

This Safety/Training Manual has been developed to encourage safe working habits of those Using engine powered equipment fuelled by Liquefied Propane Gas (LPG).

Please be reminded, this manual is *not* designed to instruct you on how to maintain floors, But is designed to instruct you on how to avoid incidents that could be brought on by unsafe Actions, poor maintenance and the lack of accurate knowledge.

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. Check the engine oil level and condition.
2. Secure the gas cylinder on a machine (at the back of the machine) and lock the belts.
3. Fit and secure gas cylinder hose.
4. Open gas cylinder valve.

STARTING THE ENGINE

1. Set the throttle to the far back 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 one minute 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.

WHEN MACHINE IS WORKING FINE, RICH(RED LIGHT) & LEAN(BLUE LIGHT) LIGHT SHOULD ALTERNATE, VISIBLE ON THE EMISSION MONITOR.

STOPPING THE ENGINE

1. Tilt the machine back to allow the pad to be off the floor.
2. Return the throttle to the far back position.
3. switch the ON/OFF switch to OFF position
4. Turn the valve on the gas cylinder a
5. 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

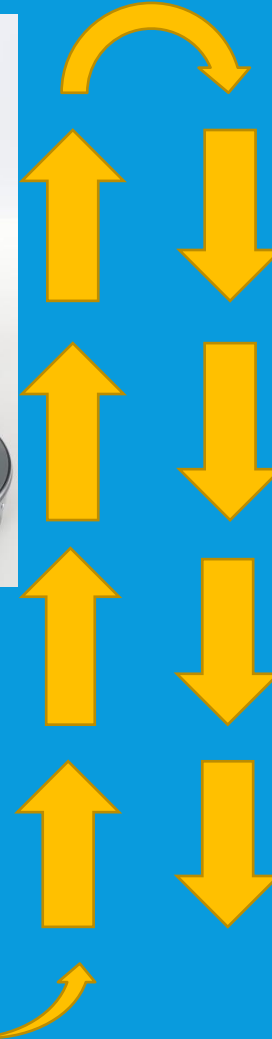
- **DO** check oil level before starting. It is important that the oil is maintained at the correct level for proper lubrication and cooling of the engine. Consult the motor manufacturers manual for correct capacity and oil specifications.
- **DO** check fuel level and hose connection before starting. 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.
- **DO NOT TOUCH THE EMISSION CONTROL ELECTRONICS UNLESS YOU ARE A QUALIFIED GAS TECHNICIAN**

HOW TO USE

- Prepare your safety equipment.
- Plan the work Path. Clear obstacles from in you path .
- The gazz20/gazz24 burnishers work in a straight line , just walk slowly forward then complete a u-turn walk back overlapping the previous pass sufficiently , to give a uniform finish.
- Important note !! Keep the machine moving at all times to prevent burning the floor.

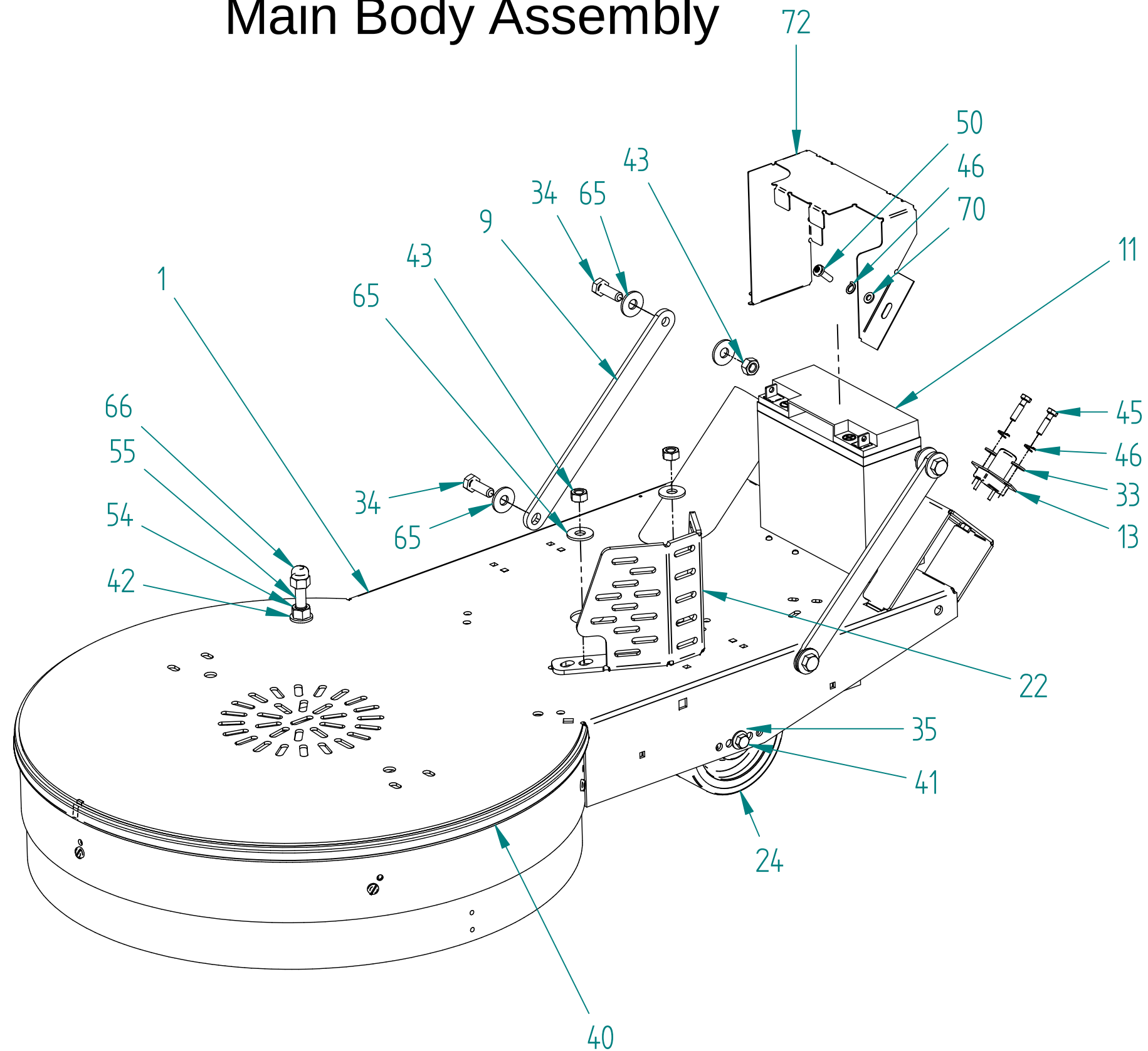


WARRANTY

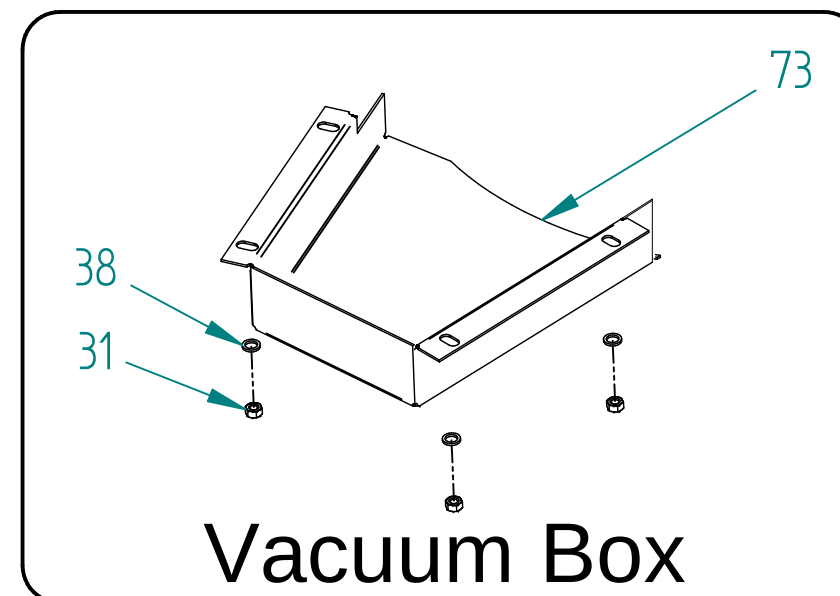
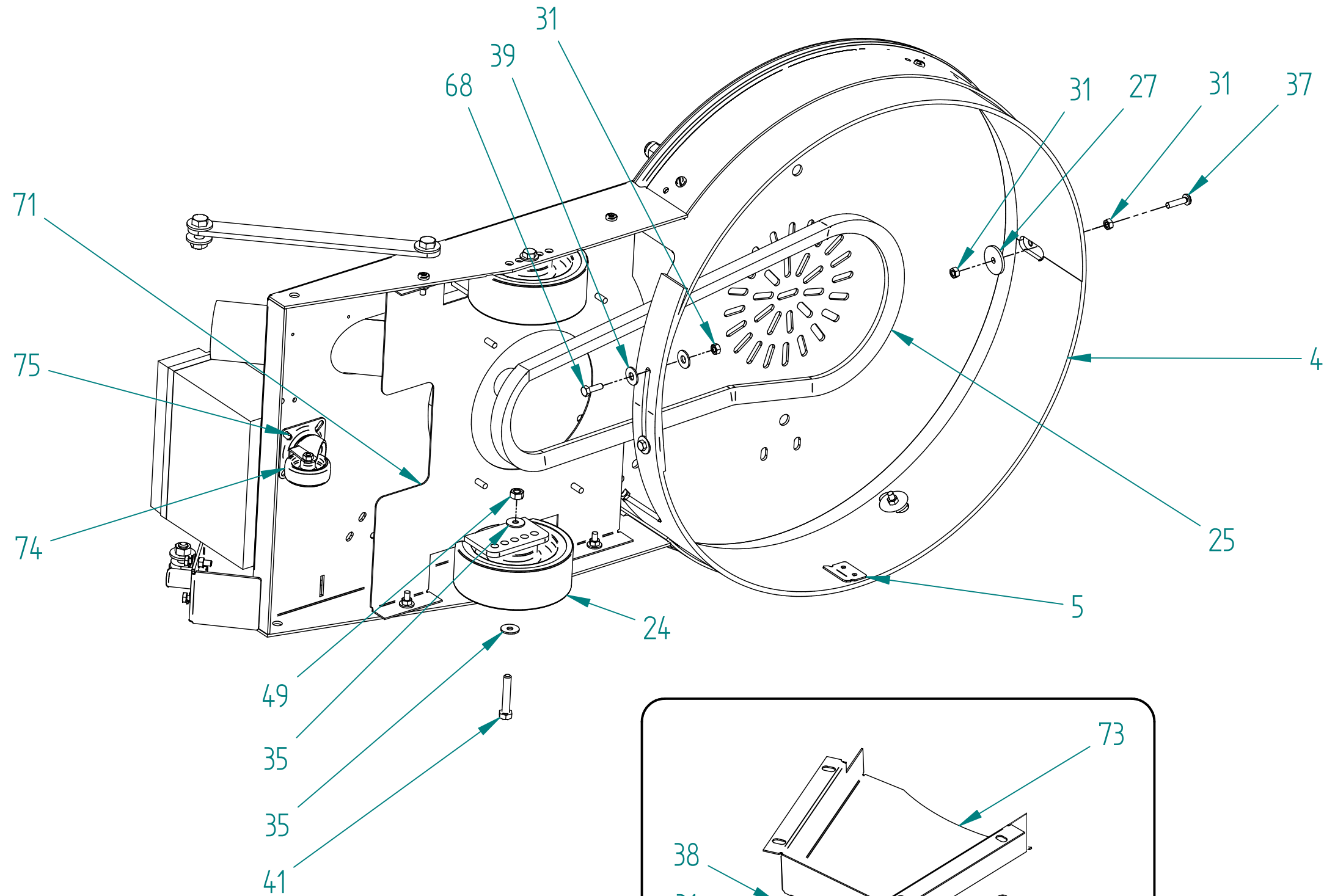
- **Polivac Warranty**

- When a warranty repair is justified, Polivac welcomes such repair by any of its authorized Service Centres. In most instances, the request for warranty brought to the attention of our service Divisions or Agents are handled in a prompt routine manner with no question of their validity. However, in some requests for warranty are received which are not justified. In these cases machine owners will be made aware that the premature failure of their equipment was the result of abuse, neglect or other cause not covered by Warranty.
- The Polivac warranty covers only DEFECTIVE MATERIAL and/or DEFECTIVE WORKMANSHIP. It does not cover labour.
- Your machine is warranted for 12 months from date of purchase by the original user against faulty workmanship or material. The warranty covers only the replacement, repair or adjustment of any part which in the opinion of Polivac fails as a result of a fault in manufacture assembly. Note 2 year warranty applies to drive motors and gearbox assemblies on electrical machines.
- In the case of Hire Companies or similar using the unit to rent on a casual basis then 3 months shall apply.
- This warranty does not cover service calls, travelling time, consumable parts, e.g. drive belts, chains, flexible skirt or hose, dust bags, mains leads, brushes, buffer, buffer strips, sanding discs, light bulbs, nozzles, filters, pressure pumps, piston seals, diaphragms and like items.
- In the case of proprietary components used by the manufacturer in his product, such as engines, electrical motors, chargers and the like Polivac will pass on any warranty given by the manufacture of these items.
- This warranty excludes batteries which are guaranteed for 90 days, by the manufactures from date of purchase of the equipment provided that the battery is kept filled to the proper level with distilled water and not abused.
- Accidental damage is not covered by warranty.
- Fair wear and tear is not covered by warranty.
- Only approved chemicals are to be used in the machine.
- All charges to and from the manufacturer, agent or service centre will be the responsibility of the owner.
- Repairs carried out by any other person other than an authorized Polivac repairer will cancel the warranty.
- A charge for traveling time and labour will be applicable for on-site warranty service.
- **POLIVAC WARRANTY IS SUBJECT TO THE LAWS AND REGU**

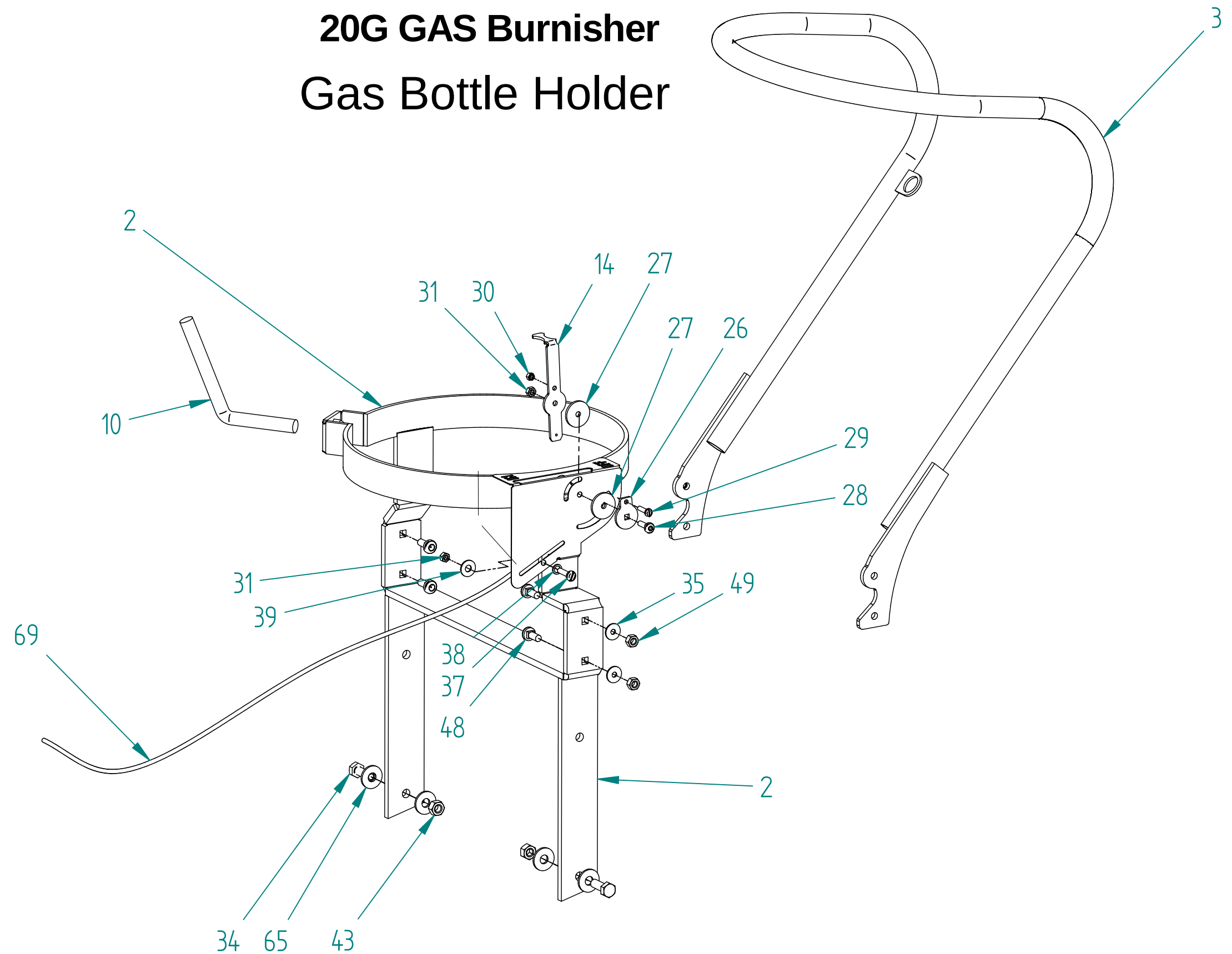
20G GAS Burnisher Main Body Assembly



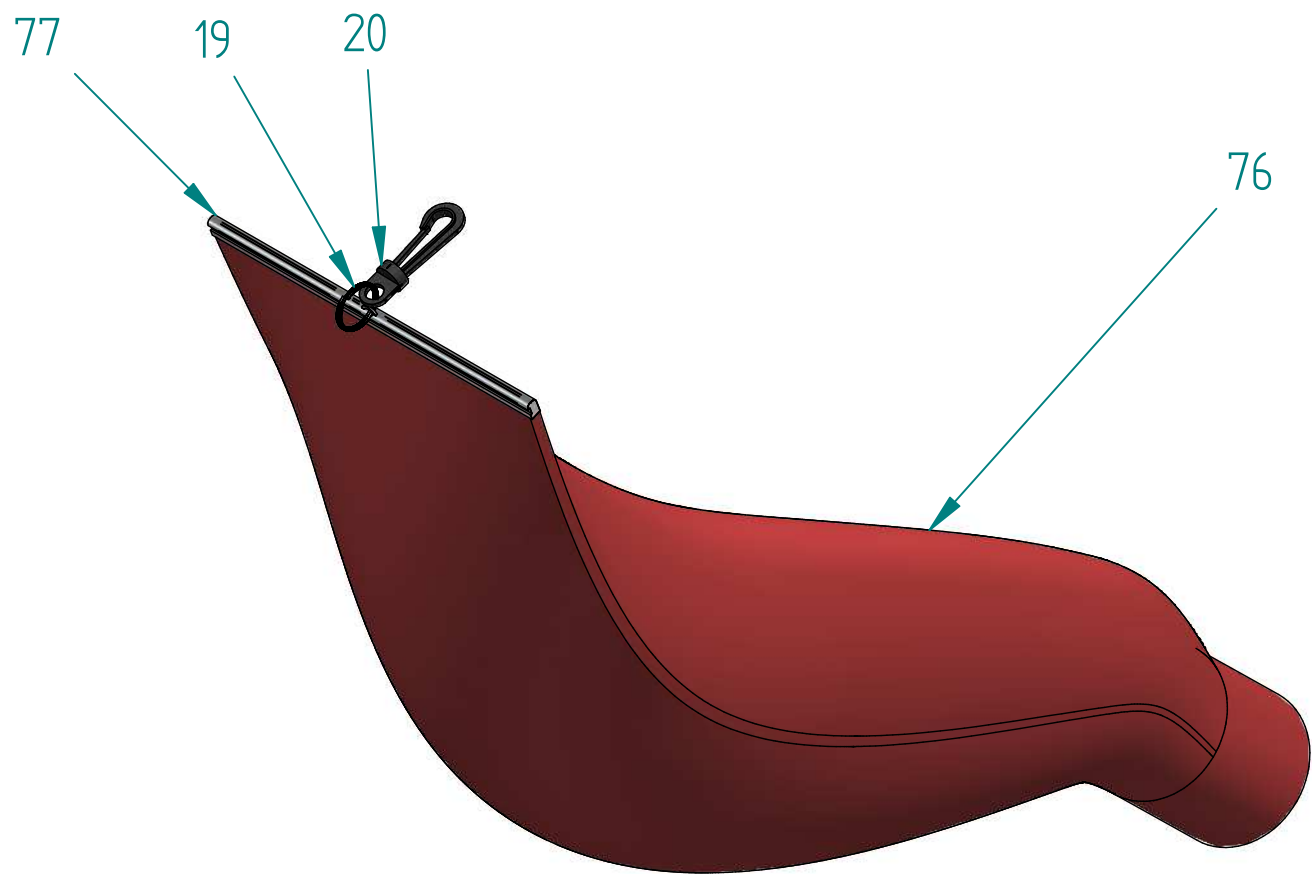
20G GAS Burnisher Main Body Assembly



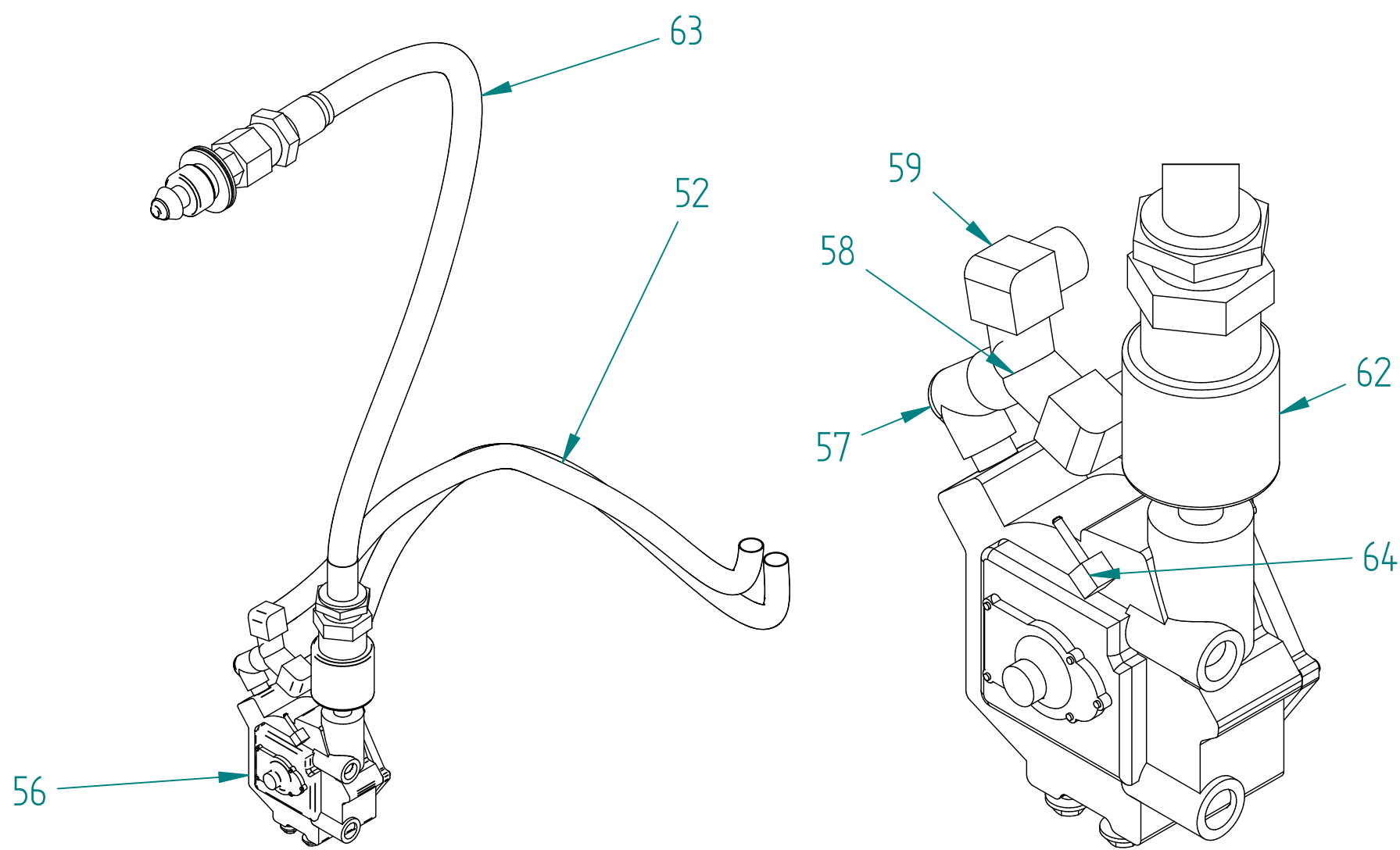
20G GAS Burnisher Gas Bottle Holder



20G GAS Burnisher



Dust Bag



Gas Regulator Assembly

20G GAS Burnisher

Main Body & Gas Bottle Holder - Part List -Page 1 of 3

Item Number	Description	Part No.
1	Main Body	GS6010
2	Gas Bottle Bracket Assembly	GS6013
3	Handle	GS6014/GS5012
4	Plastic Skirt	GS6004
5	Pad Trimmer	GS6020
9	Gas Bottle Bracket Brases	GS6021
10	M16 Gas Bottle Lock Cam	GZ001/5156
11	Battery 12V 20AH	GSS013
13	Start Switch - G22 Dustmas	GZ004/0751
14	Throttle lever	GS6022
15*	Vacuum Fan Pulley Assembly	Refer to 20G Fan Assembly drawings
16*	Pad Holder and Pulley Assembly	Refer to 20G Brush and Pulley Assembly drawings
17*	Pulley Bracket Assembly	Refer to 20G Pulley Bracket Assembly drawings
19	Key Ring	VPV156
20	Swivel Hook Black	VPV120
21*	Engine Sub-Assembly	Refer to 20G Engine Sub-Assembly Parts drawings
22	20GB Honda Valve Protector	GS6017
23*	Belt Tensioner	Refer to 20G Belt Tensioner drawings
24	Gray Wheel 100mm	GSS008
25	Belt B47 or 6950	GS6006

20G GAS Burnisher

Main Body & Gas Bottle Holder - Part List -Page 2 of 3

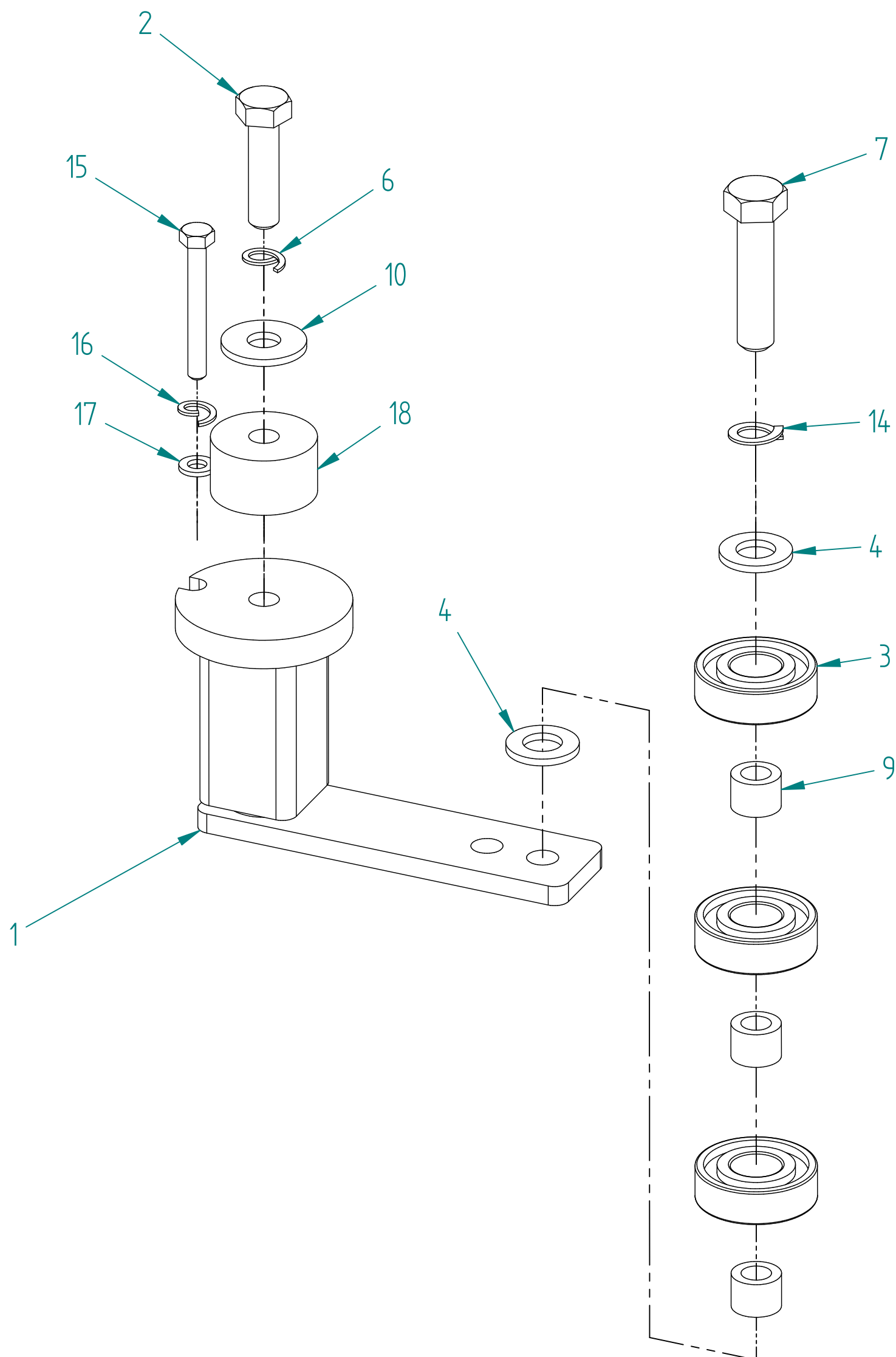
Item Number	Description	Part No.
26	Throttle Lever Washer	GZ001/5141
27	Nylon Washer M6x32	GZ006/2104
28	M6x25 Coach Bolt	GZ006/1929
29	M5x20 Pan Head	GZ006/1618
30	M5 Nyloc	GZ006/1704
31	M6 Nyloc	AAA354
33	M6x12 Flat Washer	GZ006/2093
34	M10x30 Hex Bolt	GZ006/2646
35	M8x20 Flat Washer.par	GZ006/2367
37	M6x25 Roof Bolt	GZ006/2017
38	M6x20 Flat Washer	GS6104
39	M6x25 Flat Washer.par	GZ006/2096
40	Bumpers Continental Trim	PPR002
41	M8x50 Hex Bolt	GS5102
42	M12x25 Flat Washer	GZ006/2992
43	M10 Nyloc	GZ006/2712
45	M6x12 Set screw 4.6	GZ006/1901
46	M6 Spring Washer	GZ006/2098
48	M8x20 Coach Bolt	GZ006/2224
49	M8 Nyloc	PPR094
50	M6x20 Bolt Pan Head	GZ006/2001
52	LPG Gas Hose 3/8"	GSS002
54	M12 Nut	BAT295
55	M12 Nylon Threaded Rod 70mm	BAT296
56	Gas Regulator	GAS013
57	Elbow 3/8"M x 3/8"F BSPT	PPR061

20G GAS Burnisher

Main Body & Gas Bottle Holder - Part List -Page 3 of 3

Item Number	Description	Part No.
58	3/8" BSPTM x 3/8" Y Brass	GSS047
59	Elbow 3/8" BSPTM x 3/8" Hose Tail	GAS035
62	Filter Lock	GGs022
63	Gas Bottle Hose 24.5 x 1/4"	GS6016
64	Elbow 1/8" BSPT M x 3/16" Hose Tail	GAS034
65	M10x25 Flat Washer	VIB507
66	M12 Dome Nut	GS5112
68	M6x20 4.60ROOF Bolt	BAT279
69	Throttle Cable	GGs004
70	M6x16 Flat Washer	GZ006/2094
71	Metal Housing Fan Cover	GS6011
72	Battery Bracket	GS6023
73	Fan Cover Box	GS6012
74	Swivel Castor 50mm	GSS009
75	Rivet AS 6-4	AAK 829
76	Dust Bag	VPV063
77	Dust Bag Closure	VPV051

20G GAS Burnisher Belt Tensioner



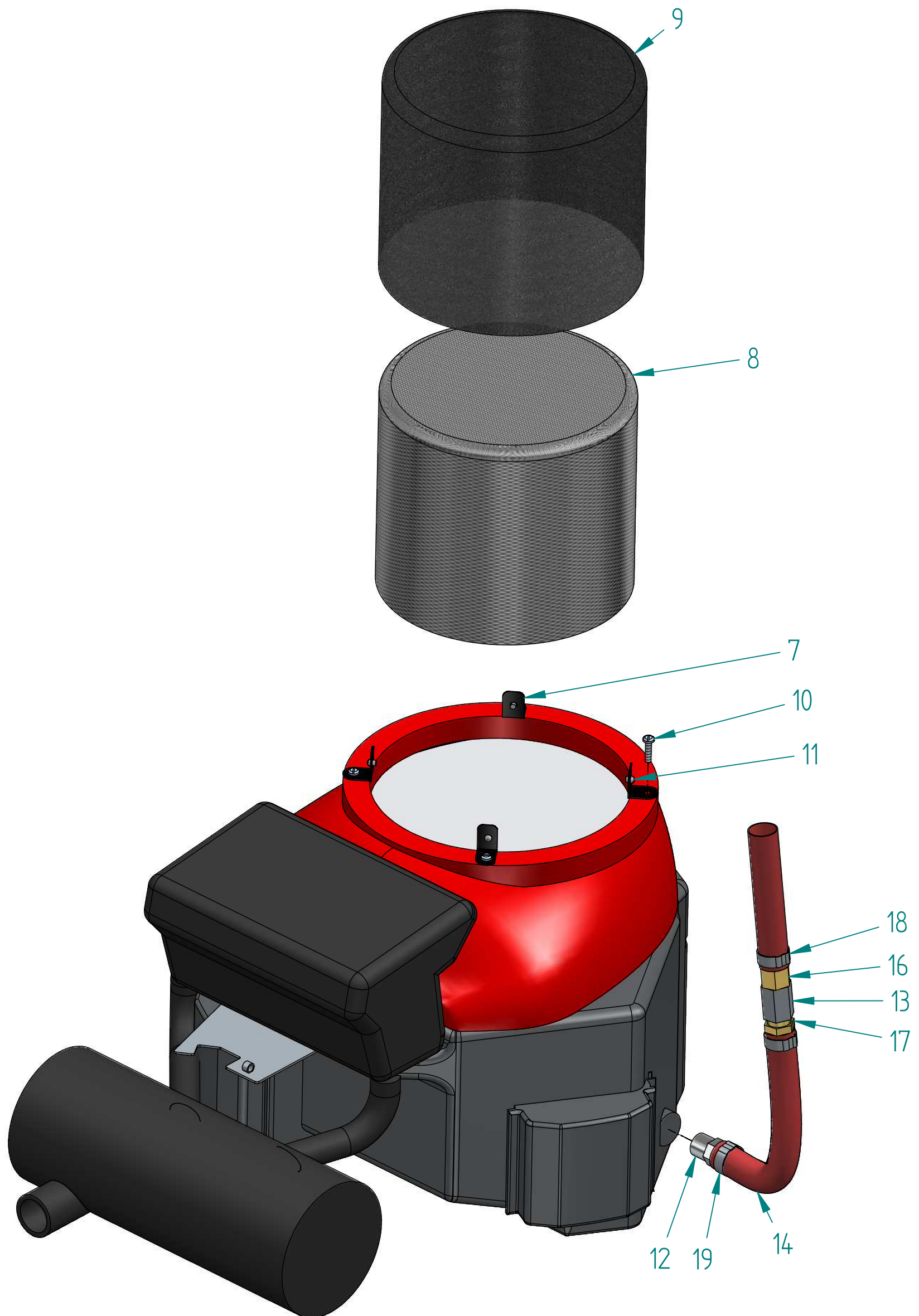
20G GAS Burnisher

Belt Tensioner

Item Number	Description	Part No.
1	Belt Tensioner Large	GGs016
2	M10x40 Hex Bolt	GZ006/2536
3	Bearing 6203 2 RS	VPA570
4	M12x25 Flat Washer	GZ006/2992
6	M10 Spring Washer	GZ006/2721
7	SS 1/2 X 3 Z/P 4MM HX HD & NUT	MS001 & GAS055
9	Bearing Sleeve	GSS032
10	M10x25 Flat Washer	VIB507
14	M12 Spring Washer	GZ006/2372
15	M6x50 Set Screw	GS6103
16	M6 Spring Washer	GZ006/2098
17	M6x16 Flat Washer	GZ006/2094
18	Spacer	GS6009

20G GAS Burnisher

Engine Sub-Assembly Parts



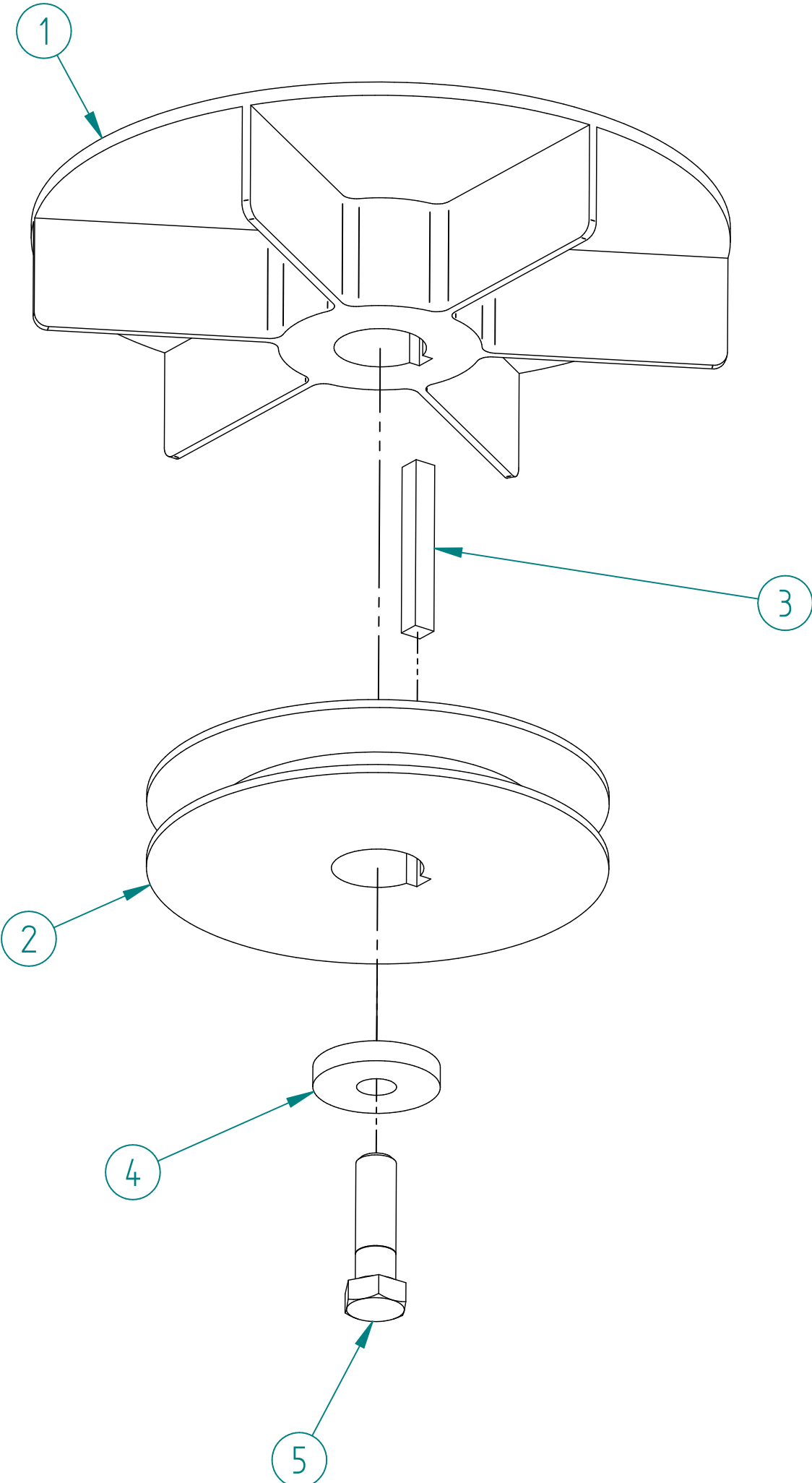
20G GAS Burnisher

Engine Sub-Assembly Parts

Item Number	Description	Part No.
7	Cowl Angle Bracket	GSS031BSB
8	Screen Metal Basket	GSS031BS
9	Engine Dust Filter	GSS028BS
10	M5x20 Pan Head	GZ006/1618
11	Rivet AS 6-4	AAK 829
12	Drain Plug 20mm x 1.5	GSS066
13	Valve Drain	GSS068
14	Oil Drain Hose	PPR039A
16	1/4"Fx3/8"Hose Tail Brass	GSS073
17	1/4"Mx3/8" Hose Tail Brass	PPR051
18	18mm Hose Clamp	GSS079
19	Hose Clamp 13-20mm	PPR042
20	Assy Code	GSS070

20G GAS Burnisher

Vacuum Fan Plastic Assembly



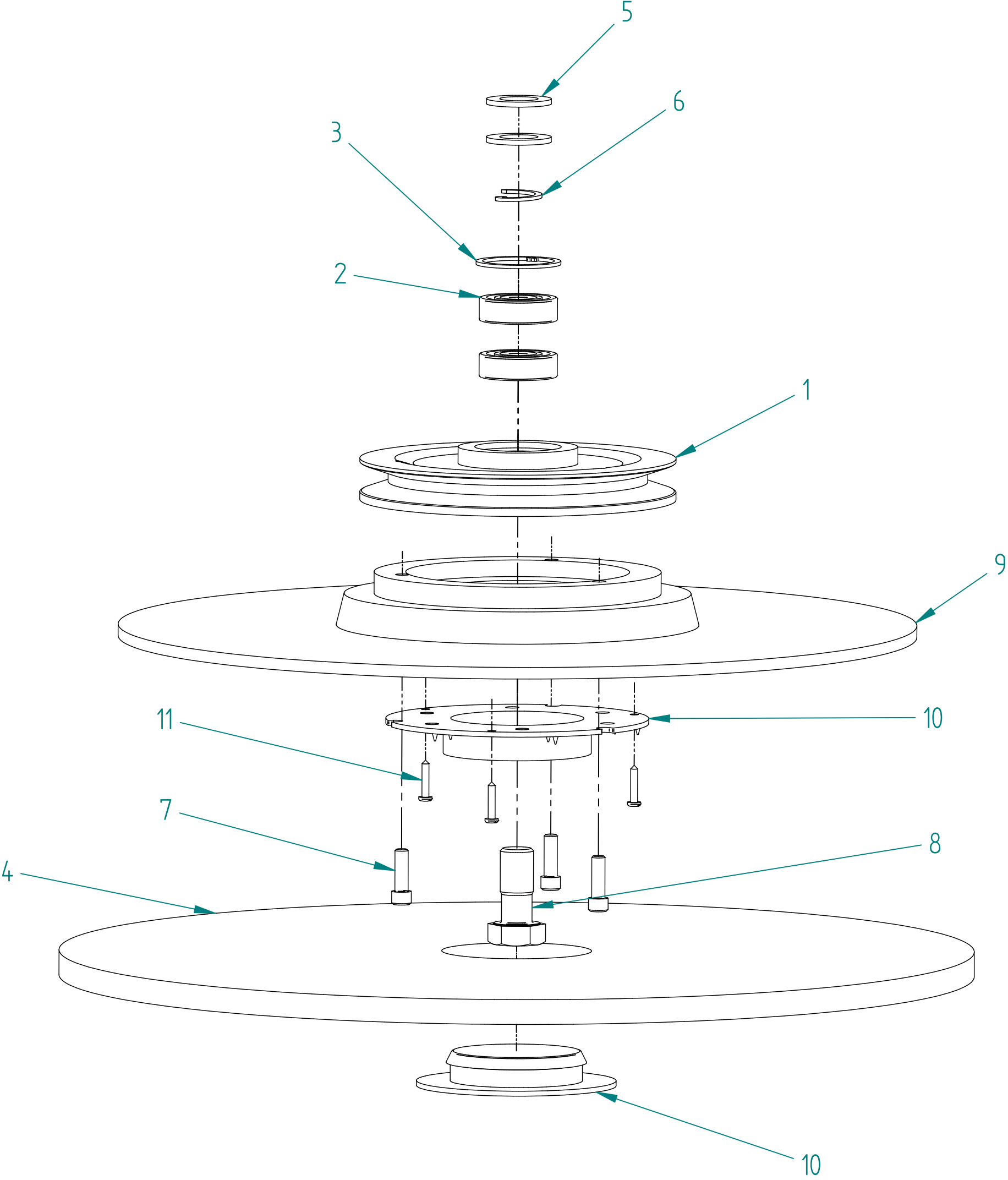
20G GAS Burnisher

Vacuum Fan Plastic Assembly

Item Number	Description	Part Number
1	Aluminium Vac Fan	GSS004
2	Motor Pulley 127mm	GSS019
3	1/4 x 2 1/4 Key Steel	GSS103
4	Engine Retainer Washer	GZ010/5128
5	7/16 UNF x 1 1/2 Hex Bolt	GZ006/0720

20G GAS Burnisher

Pad Holder Pulley Assembly

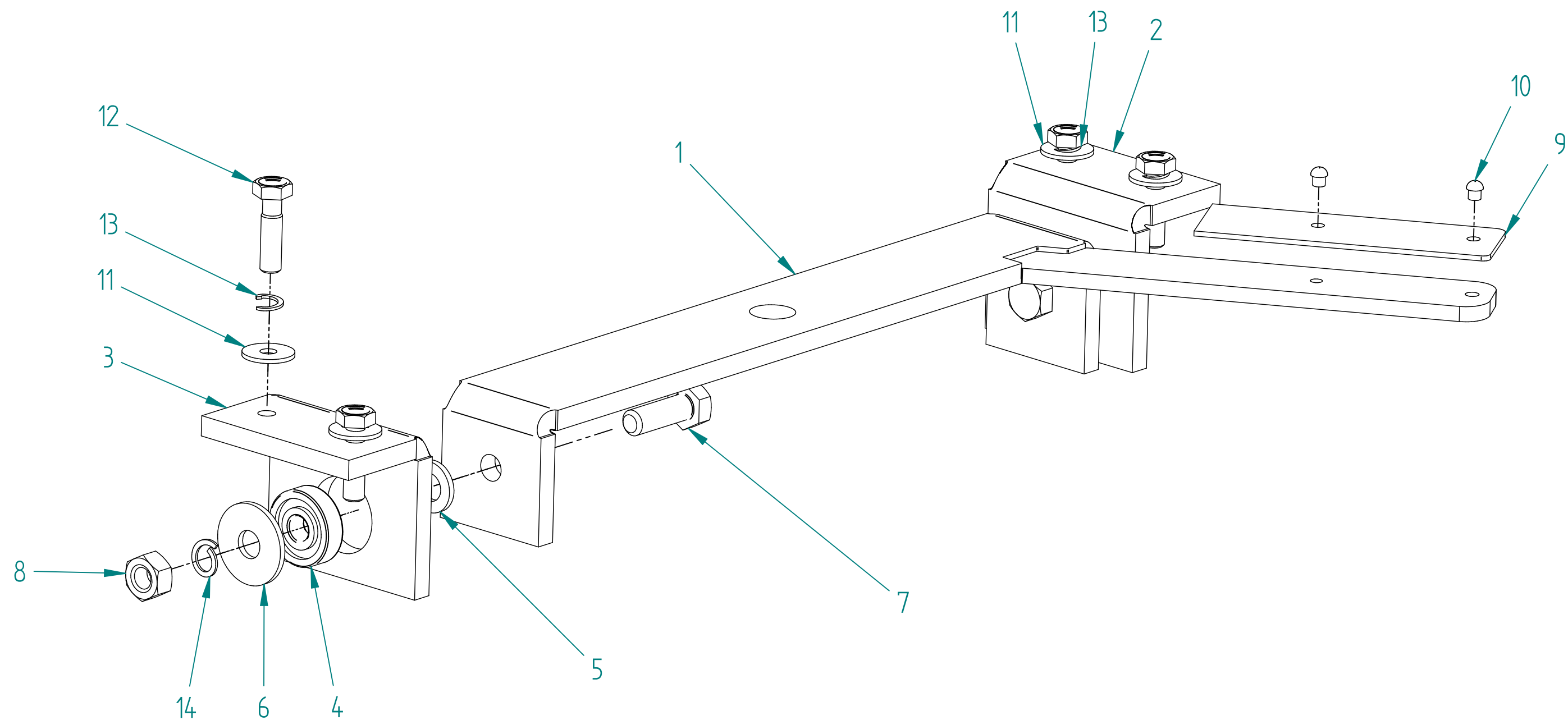


20G GAS Burnisher

Pad Holder Pulley Assembly Part List

Item Number	Description	Part No.
1	Pulley Pad Holder 7" Alum	GSS212
2	Bearing 6205	GS6015
3	Circlip	GSS036
4	Pad 50cm	P50 Jackaro
5	M20x45x3.5 ZP Flat Washer	AAG480
6	M20 Spring Washer	GZ006/3562
7	5/16 x 1" SHCS	AAA628
8	M20x50 ZP Hex	GS6109
9	Pad Holder	SLB027
10	Clip & Base Assembly	SLB056A
11	Self Tap Screw 8ABx5/8	SLB046

20G GAS Burnisher Pulley Bracket Assembly



20G GAS Burnisher

Pulley Bracket Assembly

Item Number	Description	Part No.
1	Brush Pulley Bracket	GS6019
2	Angle High	GS5017
3	Angle Low	GS5018
4	Bearing 6200 2RS	SLB016
5	M10x20 Flat Washer	GZ006/2715
6	M10x32 Flat Washer	BAT270
7	M10x30 Hex Bolt	GZ006/2646
8	M10 Nut	GZ006/2711
9	Polyurethane Buffer	GZ001/5115
10	Rivet AS 6-4	AAK 829
11	M8x20 Flat Washer.par	GZ006/2367
12	5/16 BSW x 1" SHCS	AAA628
13	M8 Spring Washer	GZ006/2372
14	M10 Spring Washer	GZ006/2721