



OLYMPIA GAS EDGER

Owner's Manual

www.resurface.com



WELCOME TO THE OLYMPIA ADVANTAGE

The OLYMPIA™ Gas Edger has been designed and built to deliver trouble free performance. Like all mechanical equipment however, trouble free operation is based on complete and ongoing maintenance procedures being adhered to in order to validate your Resurface Corp. warranty.

We have included a Maintenance Log form in this manual to assist you in maintaining a permanent record of your maintenance program. Please copy this form to provide additional pages as needed.

The operational and maintenance procedures outline a step by step process that should be followed precisely. A variety of safety and performance enhancing options are available and may be ordered on any model.

The illustrations and product information contained in this manual were current at the time of publication. In order to continue Resurface Corp.'s development of its ice resurfacing technology, Resurface Corp. reserves the right to change designs, models and specifications without notice and without liability for such changes. Resurface Corp. will not be liable for any errors or omissions in this manual.

Warranty

The components in your OLYMPIA ice resurfacing machine (except the batteries) are warranted against defects in material and workmanship by Resurface Corp., for two full years from the date of delivery.

ALL WARRANTY REPAIRS MUST FIRST BE AUTHORIZED BY Resurface Corp. OR AN AUTHORIZED DEALER

To obtain warranty service you must first contact us so we can determine the problem and the most appropriate solution.

No warranty on this machine will be honoured by Resurface Corp. other than that stated.



The entire OLYMPIA's Product line is designed and built to exacting standard to provide trouble free performance. Like all mechanical equipment however, trouble free performance requires regular maintenance and proper operating procedures to be followed. Failure to follow a complete and on-going maintenance program will invalidate the Resurface Corp. warranty on the OLYMPIA Edger.

Registration Information

Purchaser:

Address:
.....

Model:

Serial Number:

Date Delivered:



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DEAR USER!

Before you put your OLYMPIA™ Gasoline Edger into operation, please take the time to carefully read this operating manual.

Pay particular attention to the safety instructions given throughout the manual.

This is a prerequisite for...

- Safe handling and operation of the edger.
- Trouble-free operation of the machine.

Always keep the operating manual in the vicinity of the edger.



NOTE:

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1 SAFETY

The OLYMPIA™ Gasoline Edger is intended for use, only by people who have a basic knowledge of motorized equipment operation and maintenance. Resurface Corp. cannot accept responsibility for any accidents that occur as a result of operation or maintenance of the machine.

Operating conditions vary widely and Resurface Corp. cannot predict these varying conditions, and it is therefore the user’s responsibility to determine the appropriate settings in the operation of the OLYMPIA™ Gasoline Edger.

Each OLYMPIA™ Gasoline Edger is shipped with a variety of built-in safety devices. To prevent the occurrence of such accidents, all operators and maintenance personnel that deal with the machine must carefully read the manuals supplied by Resurface Corp. and Briggs & Stratton, before attempting to operate and maintain the OLYMPIA Gasoline Edger.

Because there are many “things that cannot be done” and “things that must not be done” when using the OLYMPIA™ Gasoline Edger, it is impossible to cover it all in the OLYMPIA™ Gasoline Edger manual. Assume that something is impossible or unsuitable unless the manual specifically states that it can be done.

1.1 Pictograms Used

Throughout the text in this manual and in part, on the ice resurfer itself, you will find, among other things, the following pictograms:



Imminent danger that can result in death, serious bodily injury, or major material damage.



Warning about dangerous electrical voltage.



Warning about hazardous movements that can result in hand injuries.



Warning about blades, sharp edges, and similar, that can result in cutting injuries.



Warning about potential explosion.



Application tips and other useful information.

Fundamental safety information is highlighted throughout the manual.



1.2 Safe Operation of the OLYMPIA Gas Edger

Please make use of this material when operating and maintaining the OLYMPIA™ Gasoline Edger.

All cautions on operation must be strictly observed when operating the machine, carrying out maintenance work, and storing the equipment. Failure to observe the fundamental safety information can cause accidents in which the operator or other personnel that deal with the OLYMPIA™ Gasoline Edger are seriously injured, or the machine is damaged. All personnel that deal with the machine must carefully read and thoroughly understand the information in the following pages before attempting to operate or maintain the OLYMPIA™ Gasoline Edger.

The OLYMPIA Gasoline Edger is shipped fully assembly. The customer must only add 600ml of 10w 30 motor oil and regular octane gasoline.

The following manual is customized for the OLYMPIA™ Gasoline Edger.



NEVER RUN THE OLYMPIA GASOLINE FUELED EDGER IN AN ENCLOSED AREA. Gasoline engine exhaust contains carbon monoxide, an odorless and deadly poison.



SAFETY WARNING: If the following instructions are not followed it can result in a fire or an explosion can occur causing personal injury.

1.3 Operating Safe Guards OLYMPIA Edger



1. DO NOT start or operate the edger when an odor of gasoline is present or other explosive conditions exist.
2. Make sure the edger muffler is in place and operating properly.
3. Carry out periodic inspections of the muffler, clean away any debris or combustible material from the muffler area. Replace the muffler when necessary. A defective muffler can permit an increased exhaust noise level.
4. Never operate the edger if the air cleaner or cover directly over the carburetor air intake is removed.
5. DO NOT choke the carburetor to stop the engine.
6. NEVER tamper with the preset governor springs, governor links, nor make any adjustment to the factory engine speed presets.





7. DO NOT touch the mufflers, cylinders or fins as contact may cause burns.
8. Dirt or debris in the cooling fans or governor parts can adversely affect engine performance. Turn off engine, let cool and then clean with a non-flammable brush.
9. Prior to starting the edger, check to make sure the blade is properly in place. A loose blade or no blade can cause a sever kickback, making sure to remove the spark plug wire prior to checking.
10. Always keep hands and feet clear of moving parts.

1.4 Refueling Your OLYMPIA Edger

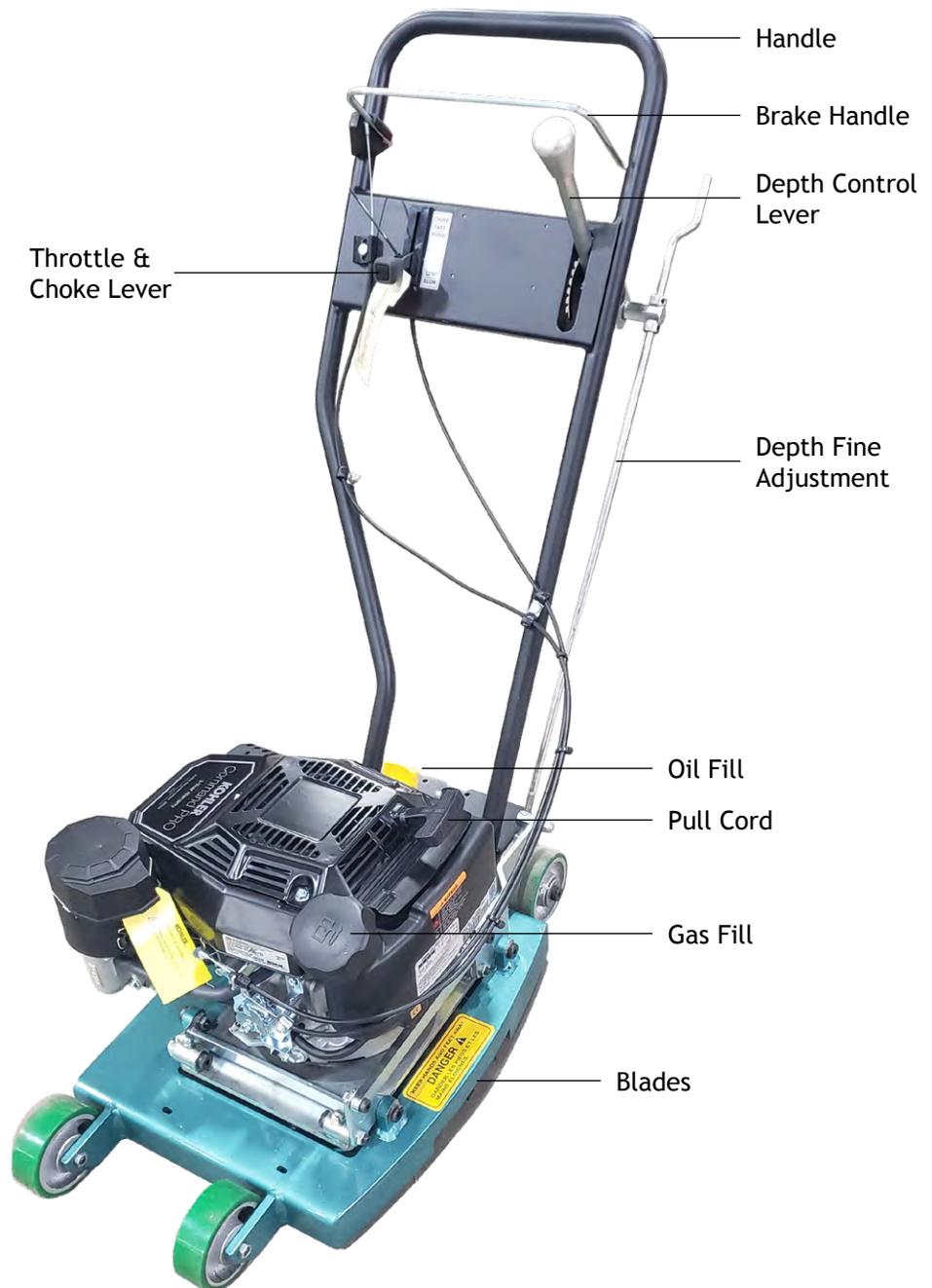
1. Always shut down the motor of the edger and allow the engine to cool for at least two minutes before adding any gasoline to the fuel tank.
2. If gasoline is spilled during refueling, move the edger away from the spill to a safe vented area and do not create any source of ignition until the spilled gasoline has been cleaned up in a safe manner following your spill response procedure.
3. Do not attempt to fill the edger while the engine is running.
4. Allow the engine time to cool off before refueling.
5. Refuel the gasoline fueled OLYMPIA Edger outdoors or in a well-ventilated refueling area.
6. When servicing or checking the edger, first remove the wire from the spark plug or remove the spark plug.
7. DO NOT tilt the edger over at any time. This will prevent oil from draining into the carburetor or exhaust.
8. Never fill above 75% of the capacity of fuel tank.





2 ASSEMBLY

The OLYMPIA Gas Edger has been shipped full assembled. Add 600ml of 10w 30 motor oil prior to use. Check the blades to ensure there has been no damage in transit, see section 3.4



3 OPERATING PROCEDURE

3.1 Maintenance Procedure

To properly maintain the OLYMPIA Edger, follow the engine manufacturer's maintenance instruction manual, which came with your OLYMPIA Edger.

Make sure you adhere to the oil specifications, grade and change intervals, air filter service and replacement schedule.

When you replace the spark plug at the appropriate scheduled time, make sure you replace it with the same kind of spark plug that came with the engine and ensure the gap is set to the correct spacing per the engine manufacturers recommendation.



SAFETY NOTE: Never attempt to adjust the carburetor system!

3.2 Starting the Edger

The OLYMPIA Gas Edger should be on a flat surface in a well ventilated area, ideally just off the ice surfer so best footing. Pull the Throttle lever to the Choke position, pull in the Brake Handle and at the same time pull the Pull Cord (2 people may be required). Once the engine starts to operate move the Throttle lever to the correct speed.



SAFETY NOTE: Always have the front wheels off the ground when maneuvering the OLYMPIA Gas Edger around to ensure the blades do not contact the ground.

3.3 Fuel Storage

Spare fuel for the OLYMPIA Edger must be stored in a well-ventilated storage area, which is safe and secure and complies with all fire and safety regulations.



SAFETY IS YOUR FIRST JOB:

- Always keep the edger away from all sources of ignition.
- Never allow operators to smoke around the edger or in the refueling and storage areas.



- Never inspect the underside of the edger while the engine is running or while the spark plug wire is attached.

3.4 Blade Changing Procedure

Before using the OLYMPIA™ Gasoline Edger you first must inspect the blades to ensure they are undamaged and secured tightly to the blade plate.



SAFETY NOTE: Prior to inspecting the blade tips make sure you are wearing protective gloves.

1. With the assistance of a second person, lift the edger onto a workbench, making sure to lift with the legs not the back.
2. Always remove the spark plug wire first before servicing the edger.
3. Remove the Oil Drain Plug and drain the oil.
4. Re-install the Oil Drain Plug.



SAFETY NOTE: Failure to follow this procedure will result in oil leaking from the carburetor saturating the air filter, making it very hard to start the edger and requiring the air filter to be replaced.

5. Rotate the blade plate and visually inspect each of the blade tips to ensure they are undamaged, sharp and securely tighten to the blade plate. If the blade tip is damaged, the edger will vibrate and you will get an uneven finish on the ice. Even more important, a loose or damaged blade tip could separate from the blade plate and cause serious injury or damage.



SAFETY NOTE: Most blade damage is caused by hitting screws in the dasher boards or ice surface entrance thresholds.

6. When a blade needs replacement, first undo the four bolts holding the blade plate in place.
7. On a work surface loosen the two bolts holding the blade tip to the blade plate. Remove the damaged tip and replace it with a new blade tip, making sure to position it correctly on the plate before tightening the holding bolts to a maximum 11 ft. lbs of torque.

When the blades are inspected and replaced, if necessary, re-attach the blade plate with the four bolts making sure to tighten to a maximum 11 ft. lbs. of torque on the grade 8 bolts.



SAFETY NOTE: Make sure you do not over torque the blade attachment bolts. It can cause the blade to break and fly out from under the edger. Because of the high velocity of the spinning blade plate this can be extremely dangerous.

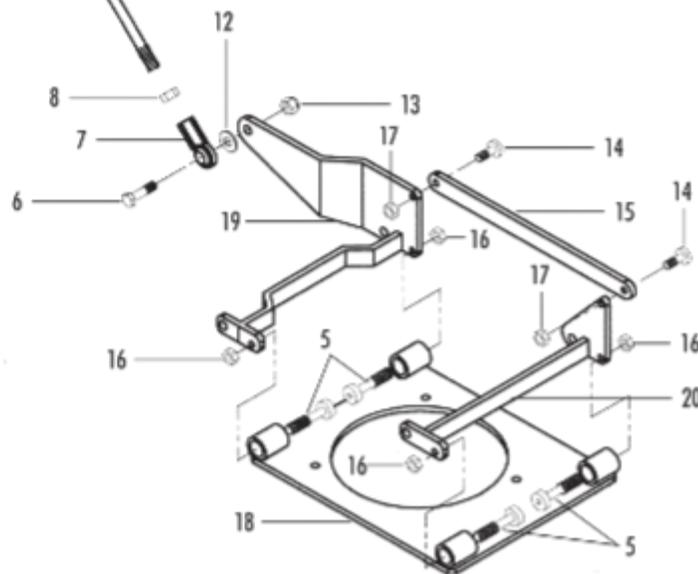
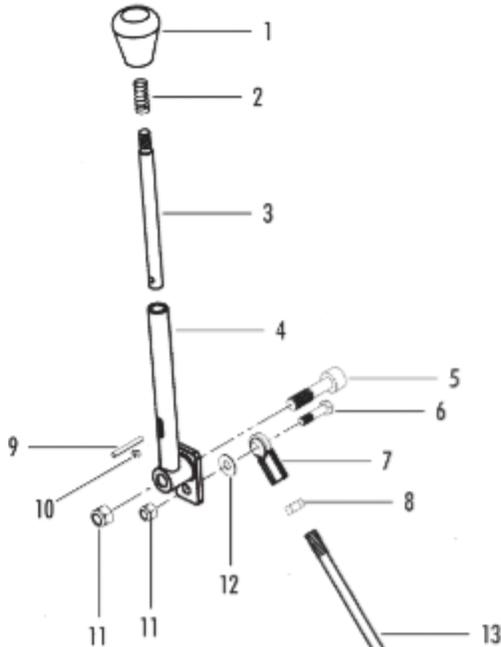
8. Refill the oil using 10W/30 oil
9. Reconnect the spark plug wire.
10. With the assistance of a second person lift the edger off the workbench and place it back onto the floor.



4 PARTS LIST

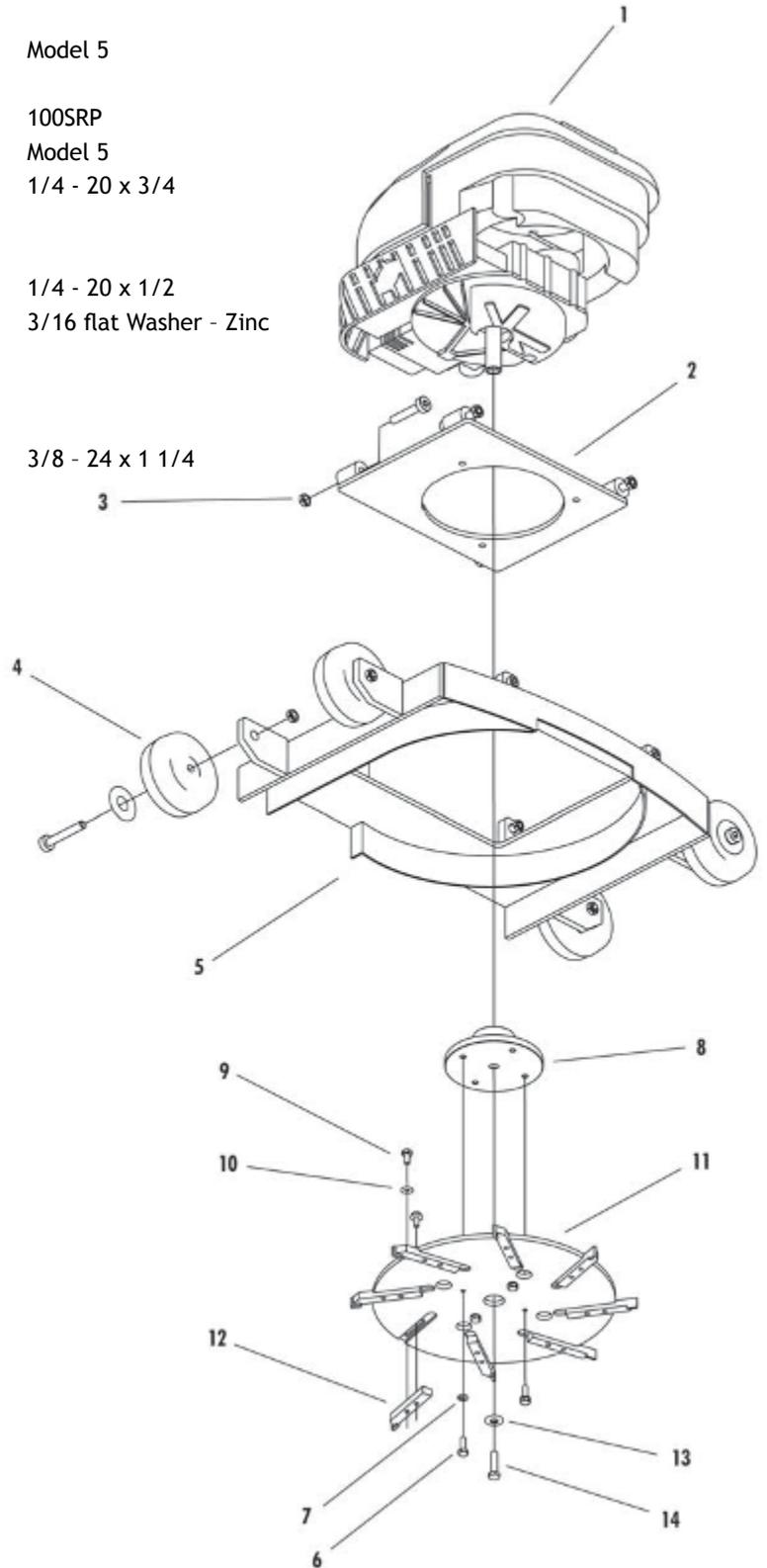
Control Arm

Ref.#	Part #	Description	OEM #
1	55-5120	Depth Selector Handle Knob	
2	10-120	Gear Shift Spring	C18291600318
3	55-5100	Depth Selector Rod	
4	55-5110	Depth Selector Handle	
5	50-51925	Stripper Bolt 1/2 x 1-1/4	
6	49-30550	Hex Hd Bolt 3/8 x 1-1/4	3/8 - 16 x 1-1/4
7	25-51855	Rod End	VCW6
8	49-33600	Hex Hd Nut 3/8 - 24	
9	49-37800	Split Pin 1/4 x 1-1/2	
10	49-19035	Grease Fitting 1/4 - 28 Straight	
11	49-33500	Locknut - Nylon 3/8 - 16	
12	49-36300	Flat Washer 1/2 SAE	
13	55-3300	Depth Adjustment Rod	
14	49-30050	Stripper Bolt 3/8 x 3/8	
15	55-3210	Engine Mount Connecting Bar	
16	49-33555	Hex Jam Nut 3/8-16	
17	49-33235	Hex Jam Nut 5/16-18	
18	55-3100	Engine Mount	



Under Carriage

Ref.#	Part #	Description	OEM #
1	55-400	Kohler CV 200	
2	55-3100	Engine Mount	Model 5
3	49-33555	Hex Jam Nut 3/8 -16	
4	55-1000	Rubber Wheel 4"	100SRP
5	55-3000	Edger Base	Model 5
6	49-30200	Hex Hd Cap Screw 1/4 x 3/4	1/4 - 20 x 3/4
7	49-36170	Lock Washer 1/4	
8	50-51975	Bottom Hub	
9	49-30150	Hex Hd. Bolt 1/4 x 1/2	1/4 - 20 x 1/2
10	49-36100	Flat Washer 1/4 hole	3/16 flat Washer - Zinc
11	55-25355	Bottom Plate 12" - 8 Blade	
12	50-51760	Edger Blade	
13	49-36250	Flat Washer 3/8	
14	49-30560	Hex Hd Bolt 3/8 x 1 1/4	





Gasoline Fuel System

Ref.#	Part #	Description	OEM #
1	55-4000	Edger Handle	
2	55-4500	Safety Shut-off Bar	
3	55-2000	Pivot Stop	92-5412
4	55-9010	Throttle Cable	93-4186
5	49-30245	Hex Hd Bolt 1/4 x 1 1/2	1/4 - 20 x 1 1/2 HCS
6	37-60120	1/4" Tube Clamp	GANGC2 766321
7	49-33200	Locknut Nylon 1/4 - 20	
8	55-2050	Brake Cable	98-7147
9	55-400	Kohler CV200	

