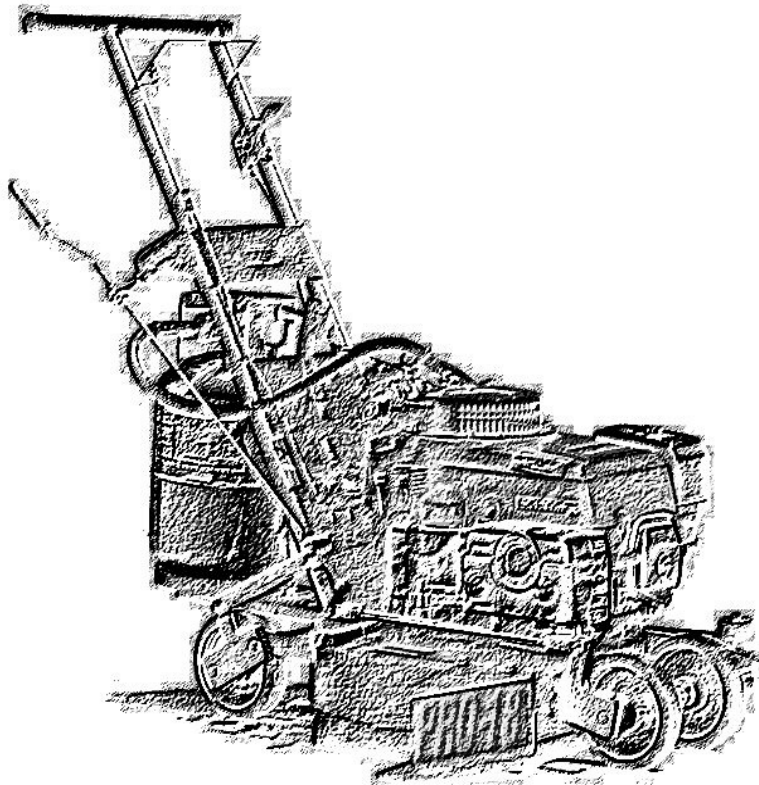


THOMSEN PRO-18ES PROPANE ICE EDGER

Thomsen Ice Edgers.



Proudly Built In The USA!

www.thomsenedgers.com icecat@thomsenedgers.com

1-800-423-6025

WARNING: Before using your Thomsen ice edger, read the complete operator's guide. When using the ice edger, follow all warning and safety instructions.

Failure to do so can result in serious injury.

Dear Owner,

Congratulations on your recent purchase of a new Thomsen Model PRO-18ES Ice Edger. This model, representing more than 40 years of improvements based on responses to customer needs, is the most versatile and reliable ice edger in use today.

- ✓ For your convenience, the PRO-18ES edger comes fully assembled and ready for use upon unpacking.
- ✓ Its Briggs and Stratton 10.5 horsepower OHV engine delivering long-lasting power and performance.
- ✓ With a blade designed to cut a 17 ¾ inch path, the PRO-18ES edger enables precision leveling of the ice.
- ✓ A stable four wheel design makes the PRO-18ES edger easy to maneuver on and off the ice.
- ✓ Its four wheels are synchronistically adjusted to raise and lower the frame for a consistently level cutting plane.
- ✓ Its easy height adjustment and quick change ice cutting carbide blades simplify everyday operations and routine maintenance.

This operator's guide provides comprehensive information on safety, operations, maintenance, and troubleshooting.

PLEASE READ THE ENTIRE GUIDE CAREFULLY BEFORE OPERATING THE PRO-18 ICE EDGER.

For information on engine repair and major maintenance, please refer to the Briggs & Stratton engine owner's manual also included with your unit. For other information or questions, please feel free to call us.

Sincerely,
Steven R. Overgaard
President

800 423-6025

Ph: 507 373-1869 Fx: 507 373-2806

Vasco, Inc. – Thomsen Mfg. Div. 1103 Hershey St. Albert Lea, MN 56007

WARNINGS AND SAFETY INSTRUCTIONS

At All Times

- Read this operator's guide and be sure you understand and can follow all warning and safety instructions before using the PRO-18ES edger. Also read the *Briggs & Stratton Engine Owner's Manual*.
- Allow only qualified operators to use the ice edger.
- Use the PRO-18ES edger only when someone else is present. Never operate the unit when you are alone.

When You Unpack Your PRO-18 Edger

Your Thomsen Model PRO-18ES Ice Edger comes fully assembled.

1. Before removing your PRO-18ES edger from its carton, turn the height adjustment crank counterclockwise to lower the wheels. This raises the base and the cutter bar off the wood shipping frame.
2. The snow deflector guard is shipped unattached and must be mounted on the right side of the base with two nuts and bolts provided. The open end of the guard is aligned to face toward the rear.
3. Check for bolts, nuts, or fittings that might have become loosened during shipping. If any parts appear damaged, notify your dealer immediately.
4. **OIL NOT INCLUDED WHEN ENGINE ARRIVES**
5. If everything is in order, prepare the PRO-18ES engine for operation by adding oil and filling the propane tank. If necessary, refer to the Briggs & Stratton engine manual that accompanies your PRO-18ES edger.
6. Briggs and Stratton recommends 5W-30 Synthetic oil in its engines.

Before Starting the PRO-18 Edger

1. Inspect the surface of the ice for large ice chips or other debris that could be thrown and thus cause injury during operation.
2. Inspect the boards for loose or protruding objects (such as nails) that could damage the PRO-18ES edger.
3. Inspect the entire PRO-18ES ice edger for loose or worn parts. Do not use the unit unless all parts are in place and in full working order.
4. Be sure that the left adjustable wheel guide and snow-deflector guard are mounted properly. The wheel guide can be adjusted to set the distance the edger is from the side boards.
5. Never fill the fuel tank while the engine is running. Instead, shut down the engine and let it cool before refueling. Afterward, wipe up any spillage.
6. Be sure the PRO-18ES edger is on the ice before starting the engine and that the cutter bar is raised off the surface. If you start the unit on another surface, it could throw dirt, gravel, or other debris, causing serious injury and damaging the unit. Starting the engine while the unit is on concrete will quickly and severely damage the cutting blades and could cause injury.

While Operating the PRO-18 Edger

1. Keep hands and feet away from the cutter bar area at all times.
2. Always wear safety glasses, heavy boots or other protective footwear, and long pants. To avoid static shock, do not wear gloves or boots that are insulated with rubber or rubber-like material.
3. If you should begin to slip or fall while operating the PRO-18 edger, release the ignition-shutdown lever immediately, NEVER tie or clamp the lever in the “on” position. To avoid the risk of serious injury, the lever should always be free to return to its “off” position, which will stop the engine.
4. During operation, the muffler becomes extremely hot. To avoid the risk of a burn, wait until the engine is completely cool before touching the muffler.
5. When exiting the ice area, shut off the PRO-18 edger engine and raise the base using the adjusting crank handle in order to raise the cutter bar to its highest level. Otherwise, you might damage the carbide cutting blades.

In General

- Always disconnect the spark plug before doing any work or adjusting any parts on the PRO-18 edger.
- Except for the routine procedures described in the Operator’s Guide, have your PRO-18 edger service dealer perform all maintenance.
- To avoid creating a safety hazard and/or voiding the warranty, use only replacement parts that are recommended by the manufacturer.
- Never use any accessory or attachment that is not recommended by the manufacturer.
- Store the PRO-18 edger out of reach of children and in a dry place.

OPERATION OF THE PRO-18 EDGER

Preparing to Start the Engine

1. Before operating your PRO-18ES edger, be sure you understand all the safety instructions and warnings. If you have any questions about the safe operation of your unit, please contact your dealer or the Thomsen Manufacturing Division of Vasco, Inc. at 1-800 423-6025 before proceeding.
2. Give your PRO-18ES edger a complete inspection, including a look underneath to ensure the hub, cutter bar, and cutting blades are properly attached. Also, check that all other screws and nuts are properly tightened.
3. Always maintain the recommended oil level in your engine. For more information, see the Briggs and Stratton operation and maintenance guide.
4. Place the PRO-18 edger with the left side of the base along the boards so that you can push it in a clockwise direction around the rink.
5. Be sure that all four wheels are in contact with the ice. **To compensate for any slope in the surface of the ice, move the adjustable left front wheel of the PRO-18.**

6. Position the cutting blade the proper distance above the ice by lowering the base of the PRO-18 edger toward the surface until the cutting blades touch the ice, and then slightly raise the base. Note: Turning the height-adjustment crank counterclockwise lowers the base and turning it clockwise raises the base.
7. Position the adjustable wheel guide the proper distance from the boards. If the boards are smooth and free of protrusions such as nails or large splinters, you can adjust the guide for a close cut. If nails or other objects protrude from the boards, position your guide for a wider cut so that the cutter bar on the cutting blade will not hit the protrusions.

Starting the Engine

1. After the PRO-18 Edger is on the ice, open the valve on the head of the fuel tank.
2. Press the knob on the fuel regulator twice to allow the propane fuel to flow into the carburetor.
3. Move the throttle to the choke position and pull the ignition-shutdown lever back to the handle of the PRO-18.
4. While holding the lever in this position, start the engine by pressing the engine start button, and adjust the throttle so that the engine runs smoothly.

Edging With the PRO-18 Edger

1. Lower the base of the PRO-18 edger to the ice by turning the height-adjustment crank counterclockwise slowly. Stop turning the crank as soon as the cutting blades contact the ice. If you lower the base too quickly, the PRO-18 edger could lurch forward, backward, or sideways, possibly causing injury.
2. To trim the ice, push the PRO-18 edger around the rink in a clockwise direction, walking about the same speed you do when mowing a lawn. Keep all four wheels on the ice at all times and avoid jerking or lifting the unit as you walk. Each time you circle the rink, the PRO-18 edger trims a 17 inch wide path to a maximum depth of 3/8 inch.

Operating Tips

- We strongly recommend daily edging to avoid a large build-up of ice. With large ice accumulation along with boards, you may need to circle the rink several times for a sufficient and even trim. Trying to cut as deeply as possible is **not** as effective as making two circuits of the rink.
- The PRO-18 edger is designed to throw the trimmed ice forward or to the side. If it throws the ice backward, the edger is cutting too deeply. To correct this, raise the base of the PRO-18 by turning the height-adjustment crank clockwise. If the unit throws only a minimal amount ice, it may be cutting too shallowly. In this case, lower the base slowly.
- The PRO-18 edger is designed to operate in a stable fashion. Excessive vibration may indicate chipping or dulling of the carbide blades. See Maintenance for instructions on solving this problem.
- Shut the valve on the fuel tank off when ice edging is complete to avoid the possibility of leaking fuel

MAINTENANCE OF THE PRO-18 EDGER

- Before performing any maintenance work on your PRO-18 edger, disconnect the spark plug and be sure that the engine is off and cooled down. Never touch the muffler until the engine is thoroughly cool.
- To keep the PRO-18 edger engine running smoothly, perform all maintenance work as indicated in the Briggs and Stratton engine manual. When periodically changing the oil, be sure to dispose of the used oil properly. Clean and lubricate all moving parts weekly, preferably with a light grease that will not drip on the ice.
- It is also important to be cutting with sharp carbide blades. Each carbide blade has eight cutting edges. Best results will be maintained by rotating the blade every 25 edgings or once a month. Dull blades will slowdown the time it takes to edge your ice rink, make a rougher cut and create greater wear on the engine. When all eight edges of a blade become dull or when a blade is chipped or split, contact your dealer for a replacement (part #18-118).
- Periodically tune the engine. This minimizes harmful emissions and adds a longer life to the engine. We recommend a tune-up after every 100 hours of use. If the engine needs servicing, contact your local Briggs & Stratton dealer.

GUARANTEE

- All Thomsen products are made of the highest-quality materials, machined to close tolerance, and finished to exacting demands both in appearance and in performance.
- Thomsen Manufacturing Company guarantees all Thomsen products against defects in workmanship and materials for a period of one year from the date of sale of such products. Within this guarantee period, any part or parts proved to be defective upon examination at our factory will be replaced or repaired, free of charge. Transportation charges on parts submitted for repair or replacement under this Guarantee must be borne by the purchaser.
- This Guarantee presumes reasonable care of the product by the purchaser and does not cover misuse, neglect, or damage by transporting or accident. Note: The Briggs & Stratton engines come with their own warranty and are not covered under this Guarantee.

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