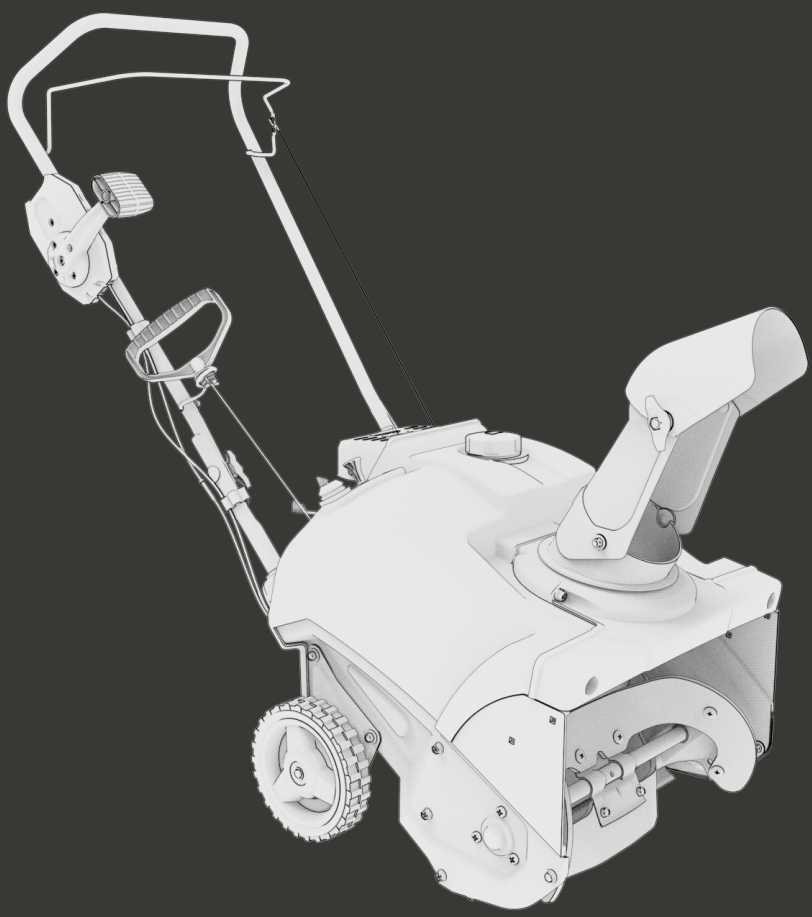
HYUNDAI

HS4620

Manual

GENUINE PRODUCT OF
HYUNDAI CORPORATION



HS4620

The engine exhaust from this product contains chemicals known to cause cancer, birth defects or other reproductive harm.

HS4620_Manual_EN_2023-06-23

HYUNDAI | MIDLAND POWER

This product is supported by **Midland Power**. Contact us directly for assistance and warranty help. Do not return this product to store.

You must register online for your warranty to be valid.
It only takes a minute, do it now while you still have your purchase receipt.

Register Your Product Online
www.hyundaipower.ca/register-warranty

Support for your product is available online, including parts, service center locations, and live expert advice.

Visit us Online at
www.hyundaipower.ca

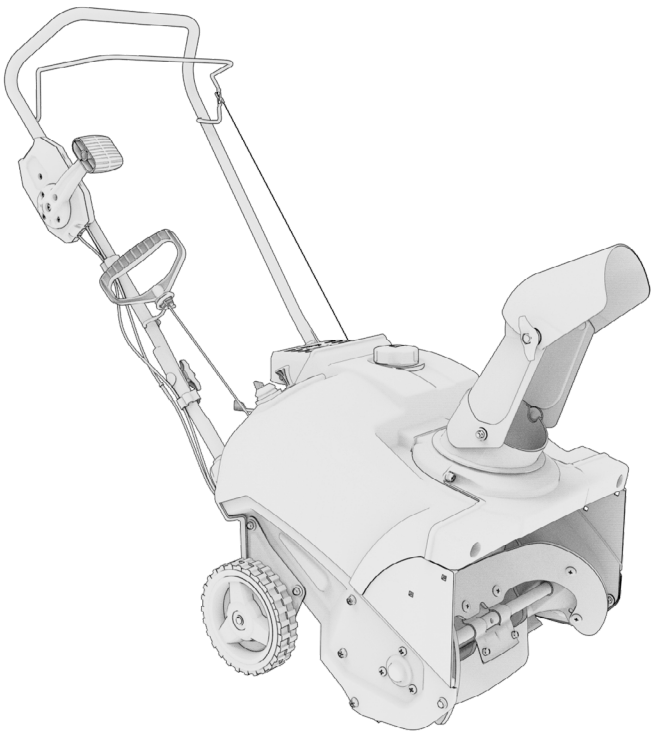
Or call us anytime at **1-877-528-3772**.

Thanks for choosing the HS4620!

You're excited to get started, we'll keep this brief.

READ THIS ENTIRE GUIDE BEFORE USING THIS PRODUCT AND SAVE FOR LATER USE.

This user guide contains important instructions including safety, setup, operation, and maintenance that must be followed. All information in this guide is based on information available at the time of print. This guide or revised editions can be found on our website for download. No part of this publication may be reproduced without written permission.



THIS PRODUCT MEETS ALL CERTIFICATION REQUIREMENTS FROM:

EPA

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A note from our designer:

When I was a child in Kingston Ontario my family lived beside a retired fellow named Basil. I remember one day Basil got down on one knee to clean out his clogged snowblower, reaching deep into the machine to remove the buildup of hard snow and ice. Once the blockage was clear the augers quickly sprang back to life, he had forgotten to shut off the engine. For the rest of his life Basil only had two fingers on that hand because he'd left his snowblower running. Don't be like my kind neighbour Basil, be careful and stay safe!

1. SAFETY

⚠ DANGER! ⚠

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

⚠ WARNING!

U.S.A. Models: It is a violation of California Public Resource Code Section 4442 to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the exhaust system is equipped with a spark arrester, as defined in Section 4442, maintained in effective working order. Other states or federal jurisdictions may have similar laws. Contact the original equipment manufacturer, retailer, or dealer to obtain a spark arrester designed for the exhaust system installed on this engine, if applicable.

1.1 SNOWTHROWER SAFETY

The snowthrower is designed and intended only for clearing of snow from hard-surfaces, non-elevated walkways, and driveways, and is not intended for any other purpose.

Only allow operators who are responsible, trained, familiar with these instructions, and physically capable operate the machine. If it is misused or not properly maintained, it can be dangerous. Remember you are responsible for your safety and those around you.

This snowthrower is capable of throwing objects and amputating hands and feet. Hand contact with the rotating auger or impeller is the most common cause of injury associated with snowthrowers.

This manual cannot include all situations that can occur when you use this product. Be careful and always take caution. Do not operate the product or perform maintenance if you are not sure about the situation or processes. Speak to a product expert, manufacturer, or service agent for information.

- This machine is capable of throwing objects that could injure bystanders or cause damage to buildings.
- When leaving the operating position always disengage the auger, turn off the engine, and remove the key. Never leave a running machine unattended.
- Never operate the snowthrower without proper guards, and other safety protective devices in place and working.
- Be careful when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- Never operate the snowthrower without good visibility or light. Always be sure of your footing, and keep a firm hold on the handles. Walk; never run.
- Be careful to avoid slipping or falling, especially when operating the snowthrower in reverse.
- Be careful when operating on slopes.
- After striking a foreign object, stop the engine and remove the ignition key. Thoroughly inspect the snowthrower for any damage and repair the damage before restarting and operating the snowthrower.
- Do not operate the equipment without wearing adequate winter garments. Avoid loose fitting clothing that can get caught in moving parts. Wear footwear that will improve footing on slippery surfaces.
- Never touch a hot muffler or engine. Allow muffler and engine cylinder to cool before touching.
- Always inspect parts for damage and ensure they are properly secured before use.
- Do not overload the snowthrower by attempting to clear snow at an overly fast rate.

1.2 ENGINE SAFETY

⚠ WARNING!

- Always perform an oil and fuel check before starting the engine.
- Properly clean and maintain the equipment.
- Before operating, read the user guide carefully. Otherwise, personal injuries or equipment damage may result.
- Pay attention to the warning labels. The engine exhaust system will become heated during operation and remain hot immediately after the engine is stopped.
- Gasoline is a highly flammable and explosive liquid. Refuel in a well-ventilated area with the engine stopped.
- Use of gasoline with an ethanol content greater than 10% can damage the engine and fuel system and will void the manufacturer's warranty.
- When refueling, keep away from cigarettes, open flames, smoke and/or sparks.
- Do not touch the spark plug while the engine is operating or shortly after the engine has been shut down.
- Know how to stop the engine quickly and understand operation of all the controls. Never permit anyone to operate the engine without proper instructions.
- To avoid breathing in poisonous carbon monoxide from the exhaust gases, you should never run the snowthrower in a partially enclosed space.
- If stored outdoors, check all electrical components before each use. Moisture can damage the eletronics and can lead to an electric shock.
- Do not connect an extension to the exhaust pipe.
- If you start to feel sick, dizzy, or weak after the engine has been running, move to fresh air RIGHT AWAY. See a doctor. You could have carbon monoxide poisoning.

1.3 MAINTENANCE SAFETY

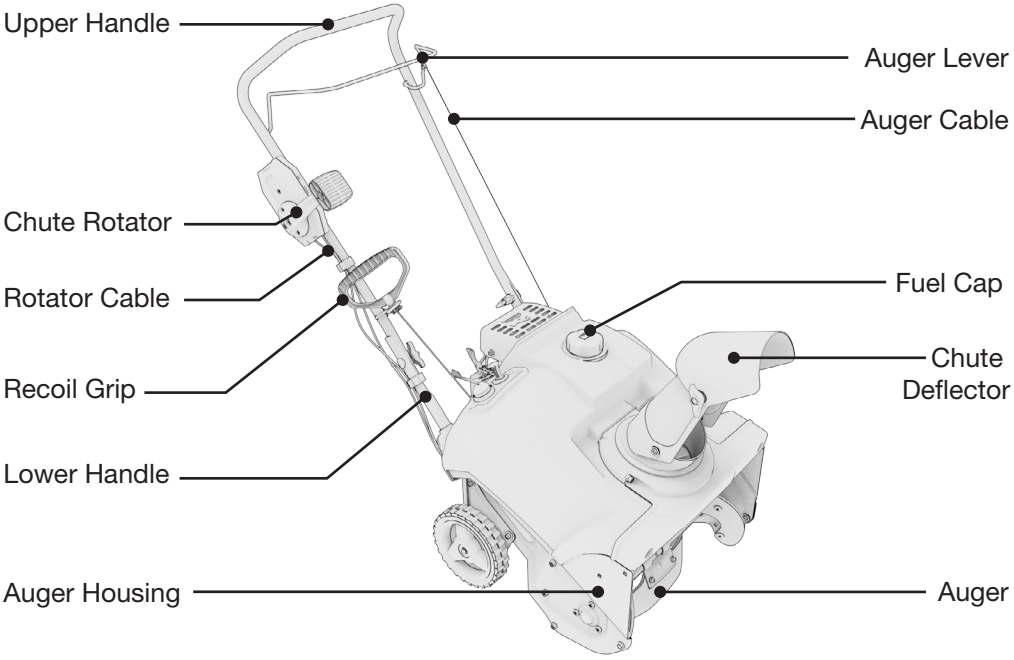
⚠ WARNING!

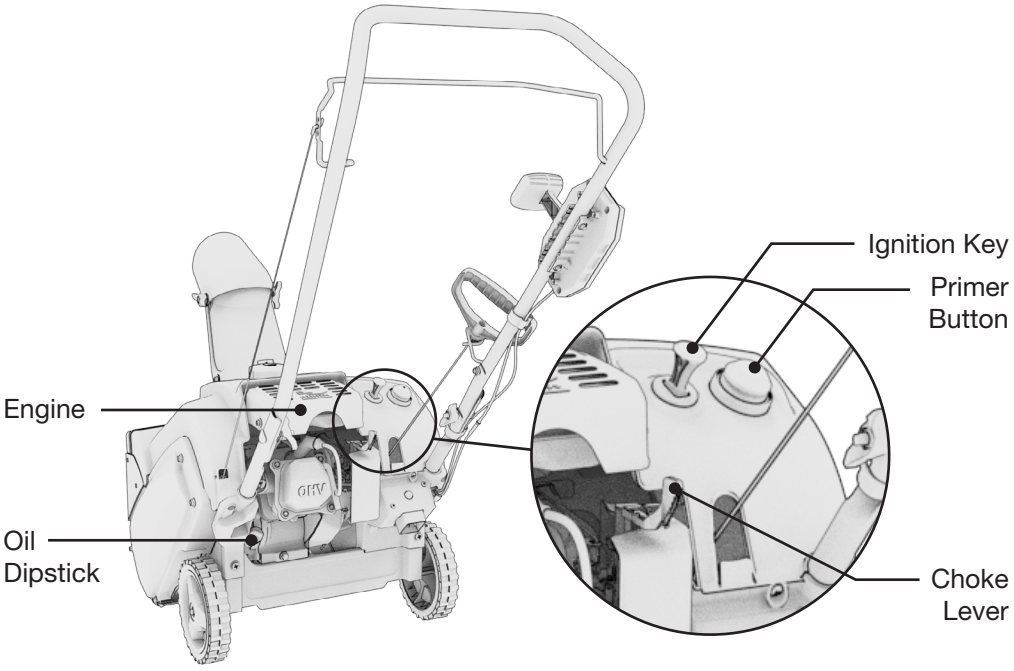
- After any maintenance is performed, clean the workspace, and wash your hands immediately using soap and clean water. Repeated and prolonged exposure to lubricant may cause skin irritation.
- Allow the engine to cool down and turn off the engine before performing any maintenance. Failure to do so can cause severe personal injury or death.
- Do not clean with a pressure washer.
- Use rubber gloves when coming into contact with engine oil.
- Always stop the engine before removing the oil filler cap.
- Only qualified maintenance personnel with knowledge of fuels, electricity, and machinery hazards should perform maintenance procedures.

2. LEARN ABOUT YOUR SNOWTHROWER

This section will show you how to identify key parts of your snowthrower. Going over the terminology below will make sure we're on the same page.

2.1 COMPONENT IDENTIFICATION





2.2 CONTROL FUNCTIONS

Auger Lever

- Augers will activate when lever is engaged.

Choke

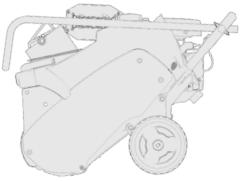
- Move the Choke to the CLOSED position when starting. Slowly move the Choke back to the OPEN position when engine is warm.

Primer Button

- Press 1-3 times before starting. Do not use if the engine is already warm.

2.3 MAKE SURE YOU HAVE EVERYTHING

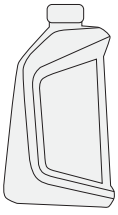
Make sure your new snowthrower came with everything seen below.



Snowthrower

Chute

Ignition keys



Oil Bottle

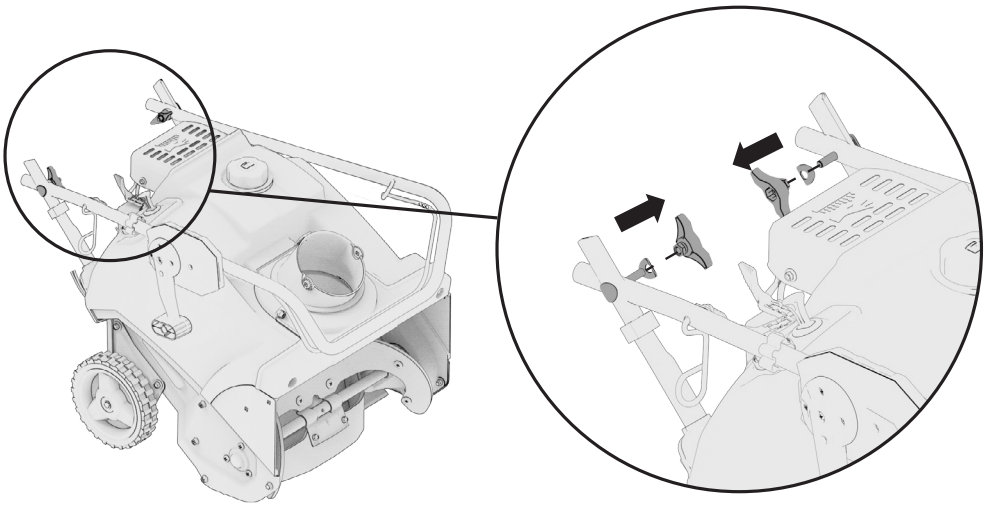
Oil Funnel

Spark Plug Wrench

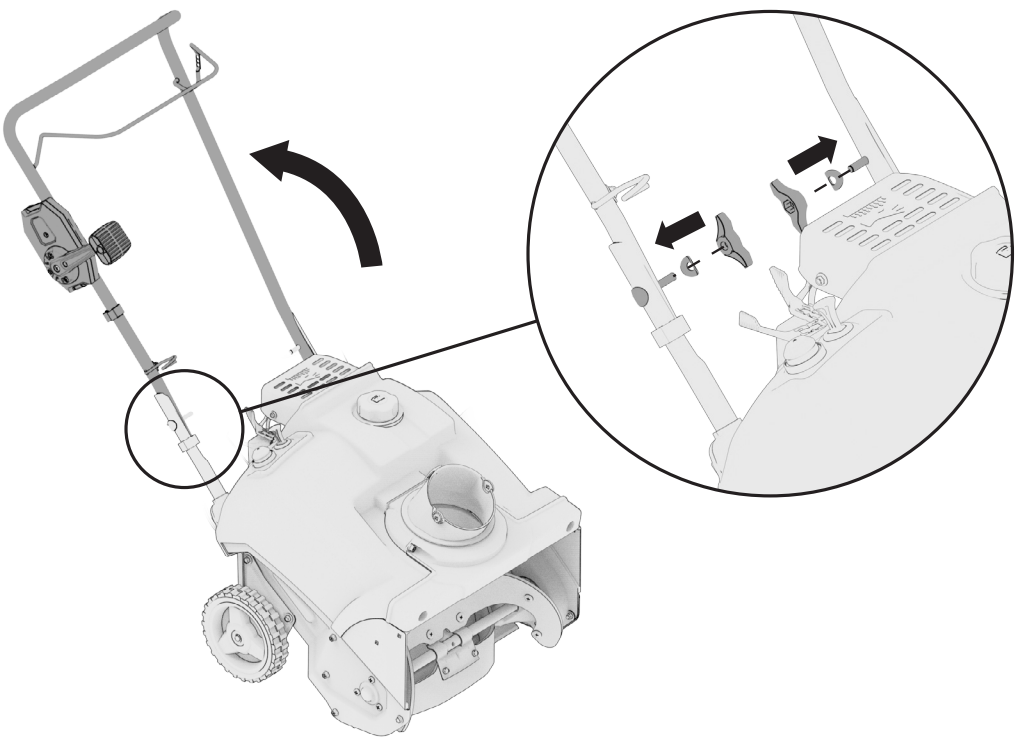
3. ASSEMBLY INSTRUCTIONS

3.1 INSTALLING THE HANDLE

1. Unscrew the hand-fasteners at the joint of the handle assembly.

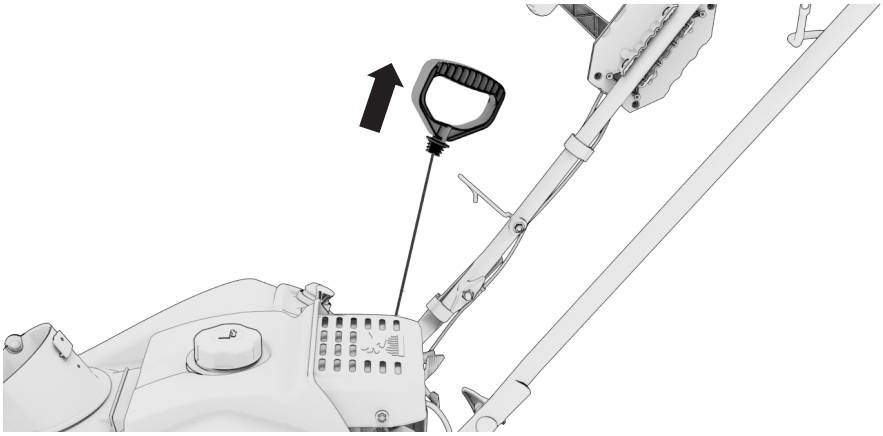


2. Pivot the upper half of the handle upwards, until the frame snaps in place. Tighten the hand-fasteners to secure the handle assembly.

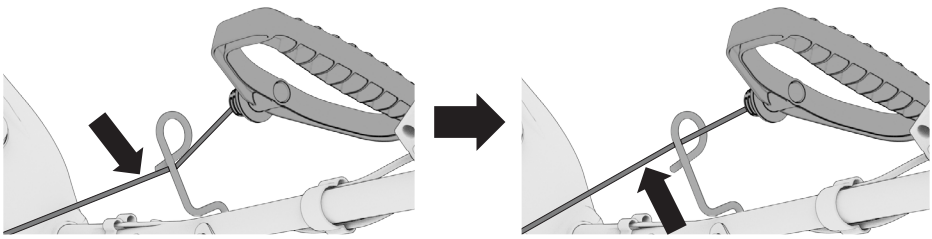


3.2 INSTALLING THE RECOIL START HANDLE

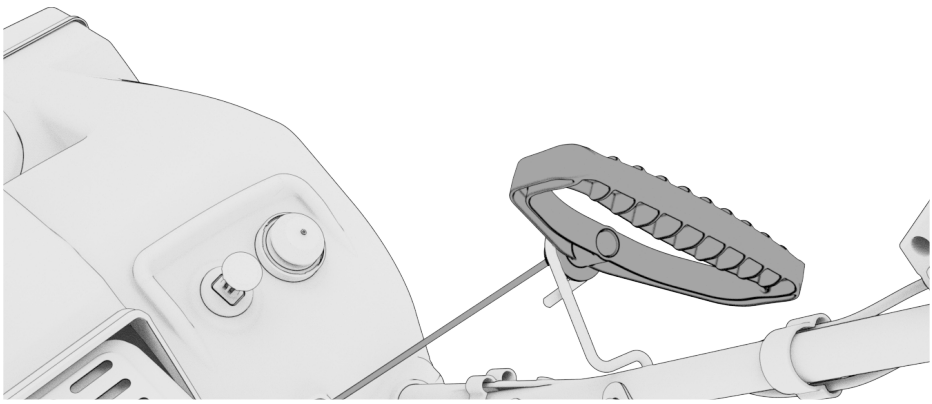
1. Slowly pull the recoil start handle so that it is past the handle rest.



2. Thread the cord through the loop opening.

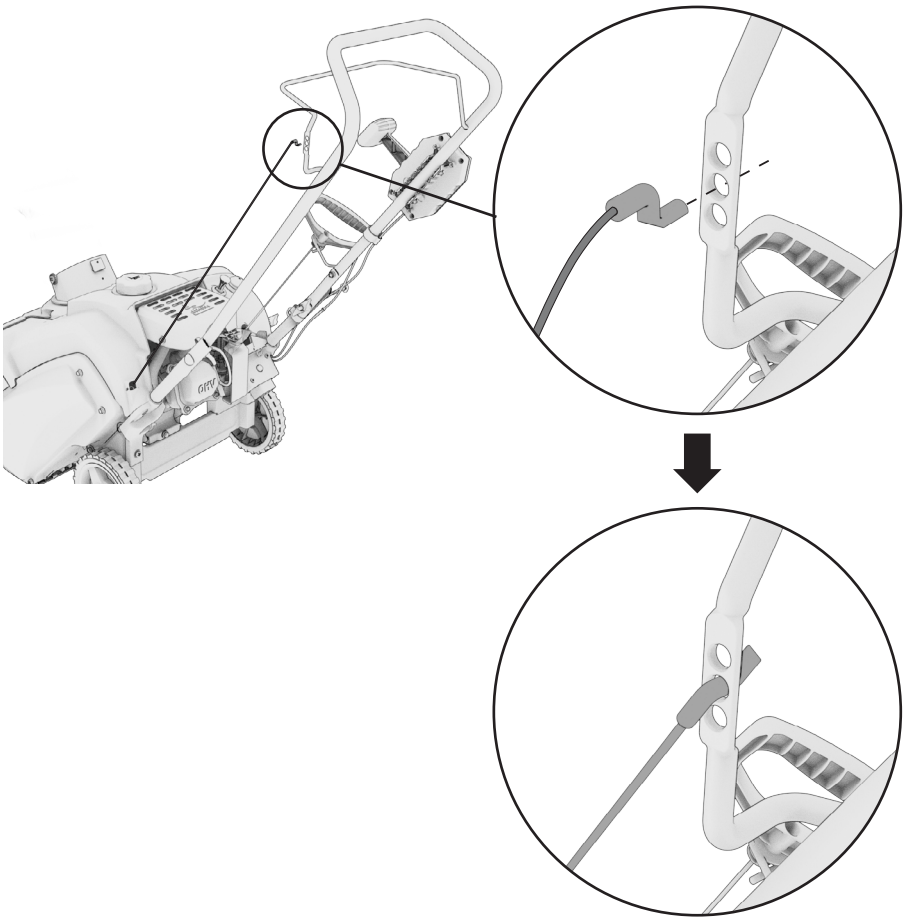


3. Slowly allow the recoil handle to rest onto the loop.



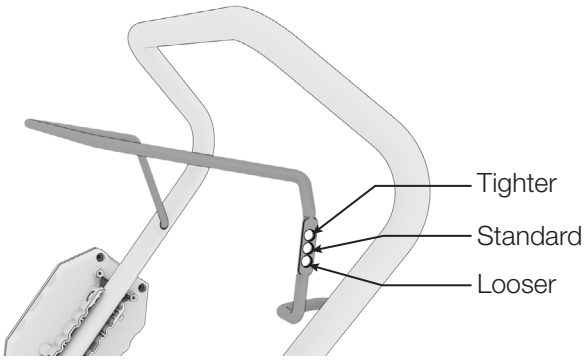
3.3 INSTALLING THE AUGER CABLE

Thread the metal end of the cable through the center hole on the left side of the Auger lever.



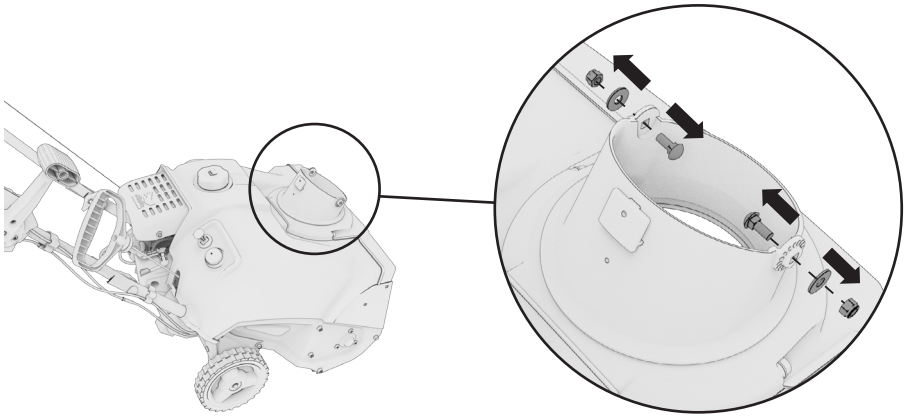
NOTE

- Once you begin operating this snowthrower, this cable should be adjusted if you find the auger does not engage or disengage quickly. If the auger does not engage when the auger lever is pulled: move the metal end to the higher hole. If the auger does not disengage within 5 seconds once the auger lever is released, move the metal end to the lower hole.

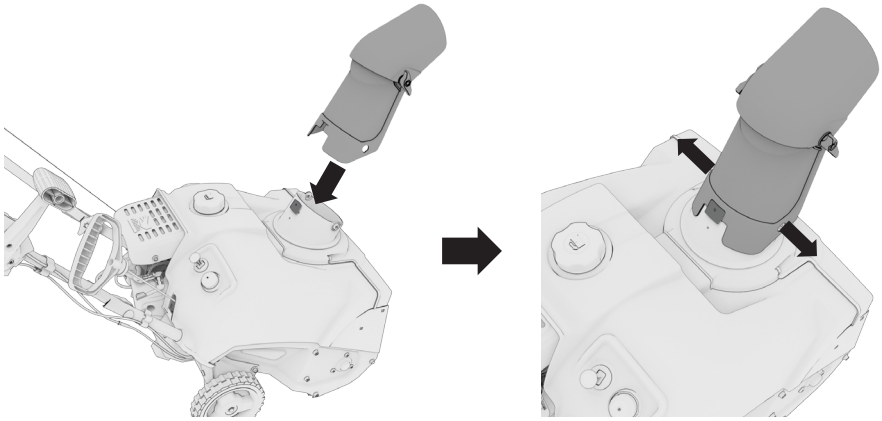


3.4 INSTALLING THE CHUTE DEFLECTOR

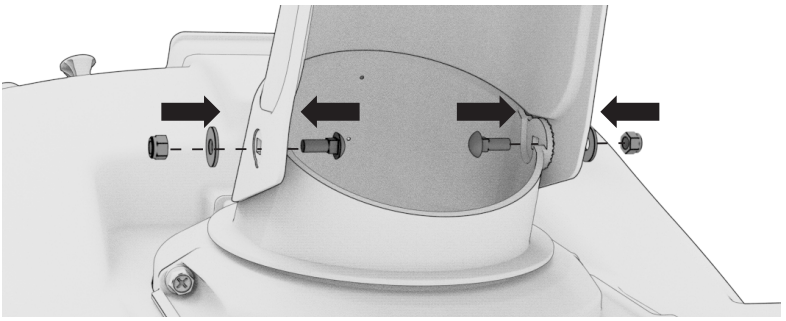
1. Remove the lock nut, washer, and bolt from the chute base. Set aside.



2. Gently pull open the sides of the chute deflector to widen it and position the chute deflector onto the base, aligning the tab and slot at the rear.



3. Reinstall the lock nut, washer, and bolt on each side to secure the chute.

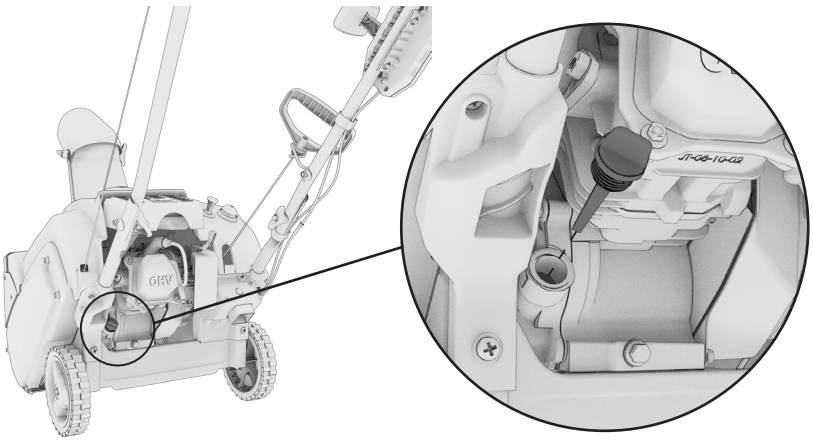


4. PRE-OPERATION CHECK

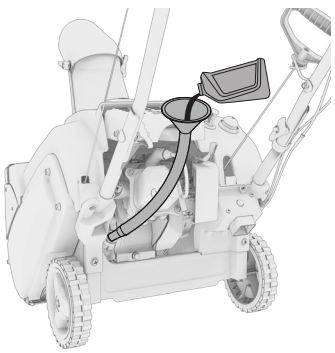
The engine was shipped from the factory without oil. Before you start the engine, ensure that you add oil according to the instructions in this manual. If you start the engine without oil, it will be damaged beyond repair and will NOT be covered under the warranty.

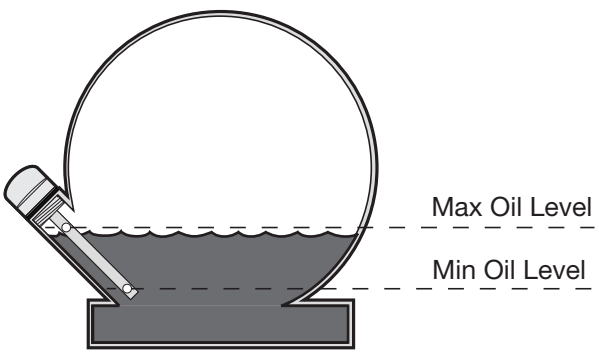
4.1 ADD OIL

1. Set the snowthrower on a level surface and remove the ignition key.
2. Clean the oil fill area of any moisture or debris.
3. Unscrew the oil dipstick and wipe with a clean, dry cloth.



4. Fill the oil to the maximum oil mark using the funnel. Check the oil level by reinserting the dipstick *without* screwing it back on. Once the oil level is at the desired point, reinsert the dipstick and tighten securely.



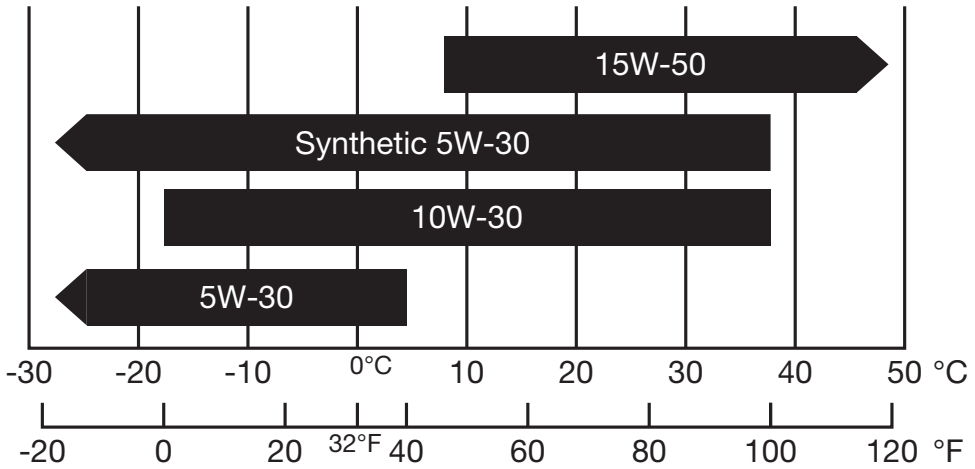


Oil Capacity: 11.8 fl. oz / 350 mL

NOTE

- Oil max. capacity: 11.8 fl.oz / 350 mL
- SAE 5W-30 is recommended for general use.
- Use of synthetic oil does not change maintenance intervals.
- DO NOT OVERFILL.

Effective Viscosity Range of Engine Oils



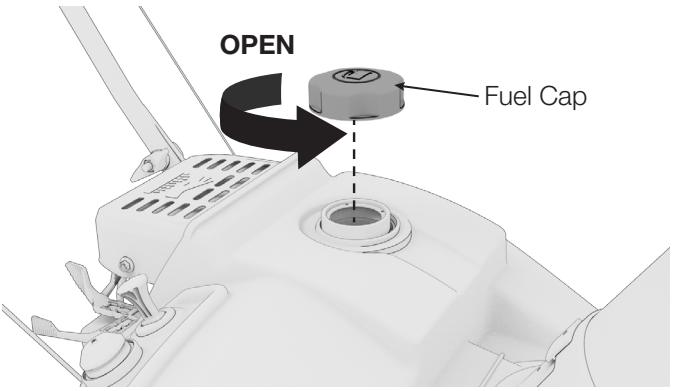
- Do not tilt when adding engine oil. This could result in overfilling and damage to the engine.
- Use high quality 4-stroke engine oil, certified to meet or exceed API standard SG, SF, SAE ratings with strong detergents. Using non-detergent or 2-stroke oil could shorten the engine's working life.
- Do not mix different engine oils.
- Handle and store the engine oil with care, avoid getting dirt or dust into the engine oil.
- To avoid damaging the engine, check the oil level as often as possible.

4.2 ADD FUEL

⚠ DANGER! ⚠

Gasoline is highly flammable and explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped. Do not smoke or allow open flames or sparks in the area where the engine is being refueled or where gasoline is stored. Do not overfill the tank. Be careful not to spill fuel when refueling. Wipe up any spilled gasoline and let the area dry before starting the engine.

Gasoline substitutes such as gasohol are not recommended. They may be harmful to the fuel system components.



1. Open the fuel tank cap slowly to allow any built-up pressure to release.
2. Fill slowly with fresh gasoline. If any fuel is spilt, remove it with a cloth and let the remaining fuel dry off.
3. Tighten the fuel cap until it clicks. If the fuel cap is not tightened fully there will be a risk of fire.
4. Move the snowthrower at least 3m (10ft) from the place where you filled the tank before attempting to start the engine.

NOTE

- Fuel Max. Capacity: 0.4 Gal / 1.4 L
- Use of gasoline with an ethanol content greater than 10% can damage the engine and the fuel system and will void the manufacturer's warranty.
- Only use unleaded gasoline (Octane 85 or higher).
- Never use stale or contaminated gasoline, or an oil/gasoline mixture.
- Avoid getting dirt or water into the fuel tank.
- Do not use a mixture of gasoline containing methanol. This will cause serious damage to the engine.

4.3 SURVEY YOUR AREA

1. Familiarize yourself with the area in which you plan to operate the snowthrower. Mark off all boundaries of walkways and driveways.
2. Ensure the area to be cleared is free of debris or objects that could be picked up by the auger and thrown from the chute.
3. Ensure the operating area is clear of bystanders, especially children. Be alert and turn the unit off if bystanders enter the area. Use extra care when approaching blind corners, shrubs, tress, or other objects that may obscure vision.

5. STARTING THE ENGINE

⚠ DANGER! ⚠

Using a gas powered engine indoors WILL KILL YOU IN MINUTES.

Engine exhaust contains high levels of carbon monoxide (CO), a poisonous gas you cannot see or smell. If you can smell the engine exhaust you are breathing CO. Even if you cannot smell the exhaust, you could be breathing CO.

NEVER use an engine inside a home, garage, crawlspace, or other partly enclosed area; deadly levels of carbon monoxide can build up in these areas. Using a fan or opening windows and doors will NOT supply enough fresh air.

ONLY use a engine outdoors and far away from open windows, doors, and vents. These openings can pull in engine exhaust. Even when you use a engine correctly, CO may leak into the home. ALWAYS use a CO alarm in your home.

If you start to feel sick, dizzy, or weak after the engine has been running, move to fresh air RIGHT AWAY and seek medical attention. You could have carbon monoxide poisoning. Never run the engine in an enclosed or even partially enclosed area where people may be present.

NOTE

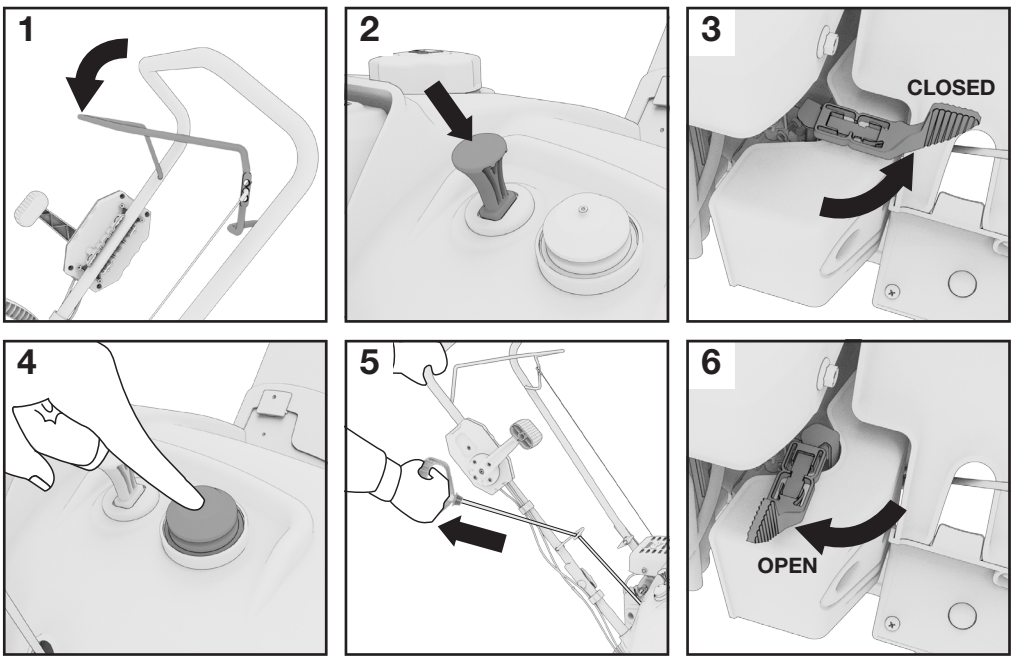
- Do not crank the engine with the spark plug removed.
- Do not over-prime the engine. If the engine floods, set choke (if equipped) to OPEN/RUN position, move throttle (if equipped) to FAST position and crank until engine starts.

5.1 STARTING THE ENGINE

5.1.1 Manual Recoil Start

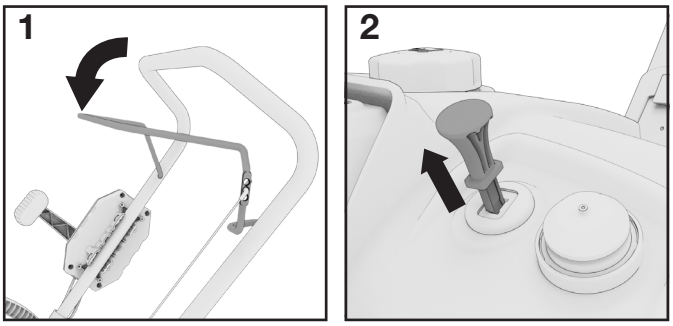
NOTE

- Return the starter grip slowly by hand, do not let it snap back.
- Rapid retraction of the starter cord (kickback) will pull your hand and arm toward the engine faster than you can let go and may cause injury.



1. Ensure the auger lever is not engaged.
2. Push in the ignition key to the “ON” position.
3. Turn the choke to the “CLOSED” position.
4. Push the primer 1-3 times. DO NOT PRESS if the engine is already warm.
5. Pull the recoil start handle slowly until you feel it engage, then pull quickly. Guide it slowly back to the rest position. Repeat until the engine starts.
6. Run the engine 30-40 seconds at idling speed before you start to throw snow. When the engine is warm, slowly move the choke to the “OPEN” position.

6. STOPPING THE ENGINE



1. Release the Auger lever.
2. Pull the ignition key to the “STOP” position

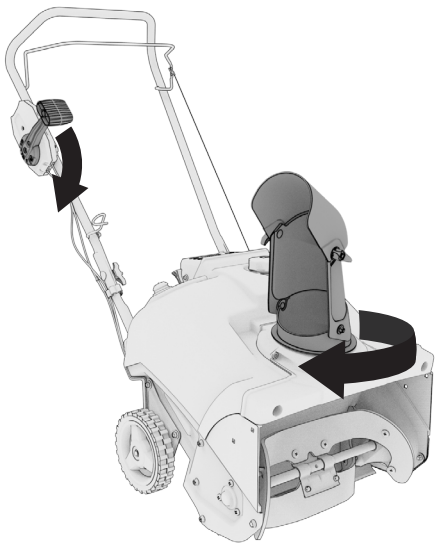
7. USING YOUR SNOWTHROWER

7.1 ADJUSTING THE CHUTE DEFLECTOR

⚠ WARNING!

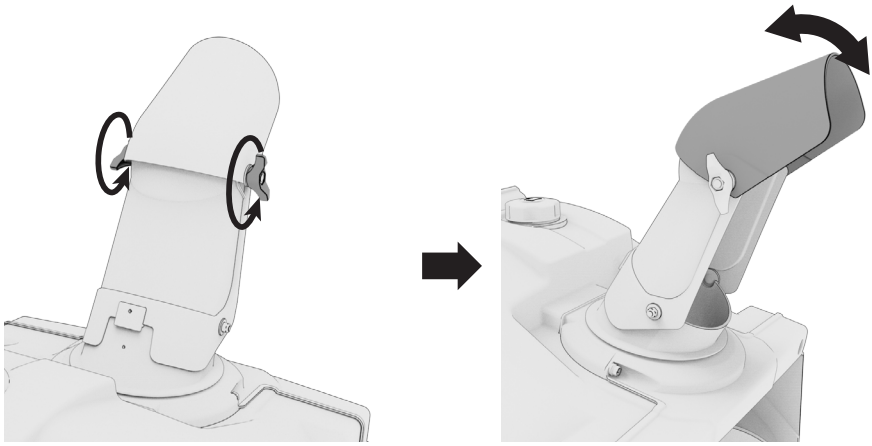
Ice, gravel, or other unintended objects can be picked up by the auger and thrown from the chute with force. Objects thrown from the chute could cause death, serious injury, or property damage.

1. Turn the chute rotator to set the throwing direction of the snow.
   a. Push the Chute Rotator forwards to turn the chute to the right.



   b. Pull the Chute Rotator back to turn the chute to the left.

2. To adjust the angle of the deflector up or down, use the knob handles to loosen. Once the desired angle is set, tighten the knob handles to set the angle. DO NOT adjust the deflector angle if the engine is running.

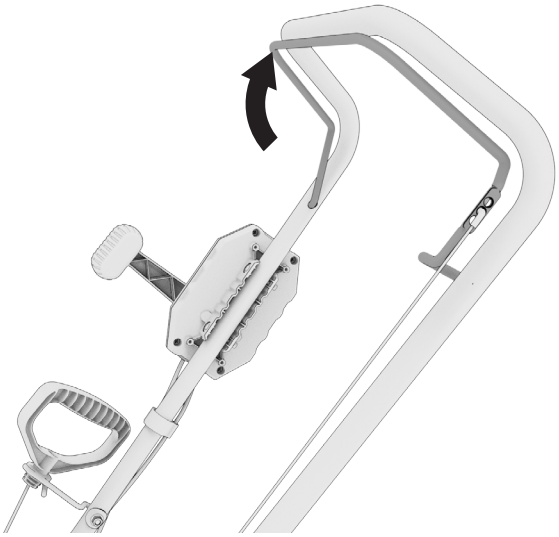


NOTE

- The angle of the deflector affects the throwing distance of the snow.

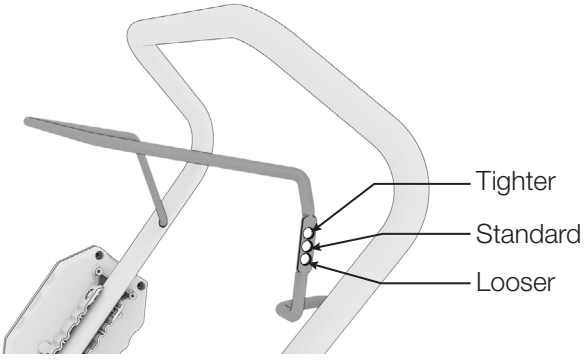
7.2 ENGAGING THE AUGER

1. Fully squeeze the Auger Lever against the handle.



NOTE

- The auger should only rotate when the lever is engaged and should stop within 5 seconds when released. If you find the auger does not engage, or does not disengage quickly, TURN OFF the snowthrower and remove the ignition key. Wait for the augers to stop moving before proceeding.
  - If the auger does not engage when the auger lever is pulled: attach the cable to the higher hole.
  - If the auger does not disengage within 5 seconds once the auger lever is released: attach the cable to the lower hole.



- Over-tightening the auger may cause the augers to rotate when the lever is not engaged, Under-tightening may cause the augers to not rotate when the lever is engaged. If the unit does not operate as described, DO NOT use it, contact customer support.

8. MAINTENANCE

⚠ WARNING!

Fuel and its vapors are extremely flammable, which could cause burns or fire resulting in death or serious injury. When performing maintenance that requires the unit to be tipped, the fuel tank must be empty, or fuel can leak out and result in a fire or explosion.

Proper maintenance keeps your snowthrower in the best operating condition by ensuring safe, economical and trouble-free operation. Only use genuine parts and recommended fluids to replace the worn components. Improper maintenance may cause malfunction and can lead to serious injury. Contact customer support if you have any maintenance questions.

General Inspection Tips

- Look for fuel leaks around the fuel tank, fuel hose, and fuel valve. Close the fuel valve and repair leaks immediately.
- Look and listen for exhaust leaks while the engine is running. Have all the leaks repaired before continuing operation.
- Check for dirt and debris and clean as necessary .
- Check the engine oil level and add oil as necessary.
- Check that all nuts and screws are tightened.

8.1 MAINTENANCE SCHEDULE

Regular maintenance will improve performance and extend the service life. Maintain the snowthrower according to the schedule below based on your snowthrower's lifetime hours.

NOTE

- Service more frequently when used in dusty areas or adverse conditions.
- These items should be serviced by an authorized service center, unless you have the proper tools and are mechanically proficient. Refer to user guide for service procedures.

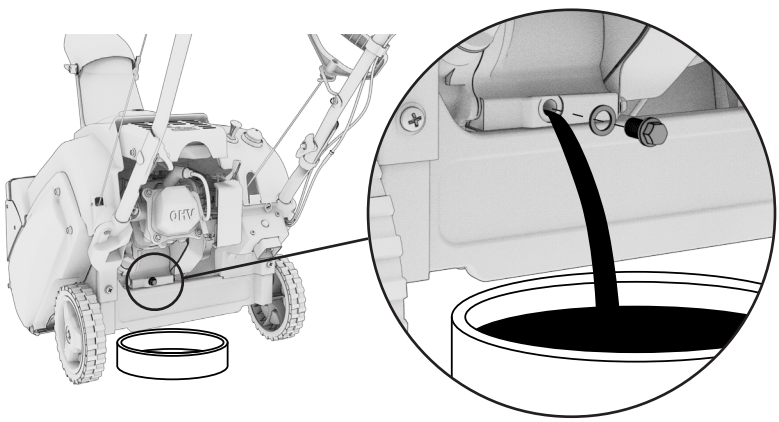
Daily
Check nuts and screws are tightened
Check engine oil level
Check for fuel or oil leaks
Remove clogging and/or foreign object in augers
5 Hours
Replace oil
20 Hours
Replace oil
50 Hours
Replace oil
100 Hours
Inspect and change spark plug
Replace oil

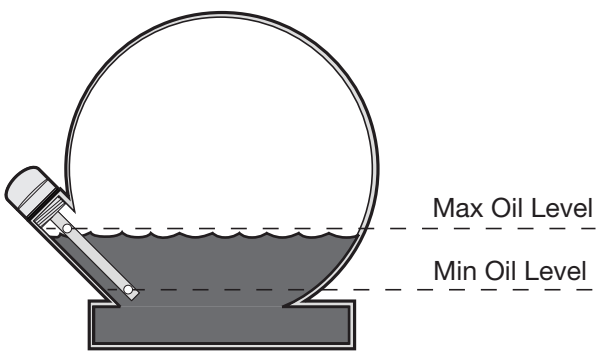
8.2 CHANGING THE ENGINE OIL

⚠ WARNING!

Used motor oil can cause skin irritations if left in long-term contact with skin. Thoroughly wash off used oil as soon as possible with soap and water.

Used oil must be disposed of properly. Do not dispose of used oil in drains or on soil. Local service shops provide environmentally-friendly disposal methods.





Oil Capacity: 11.8 fl. oz / 350 mL

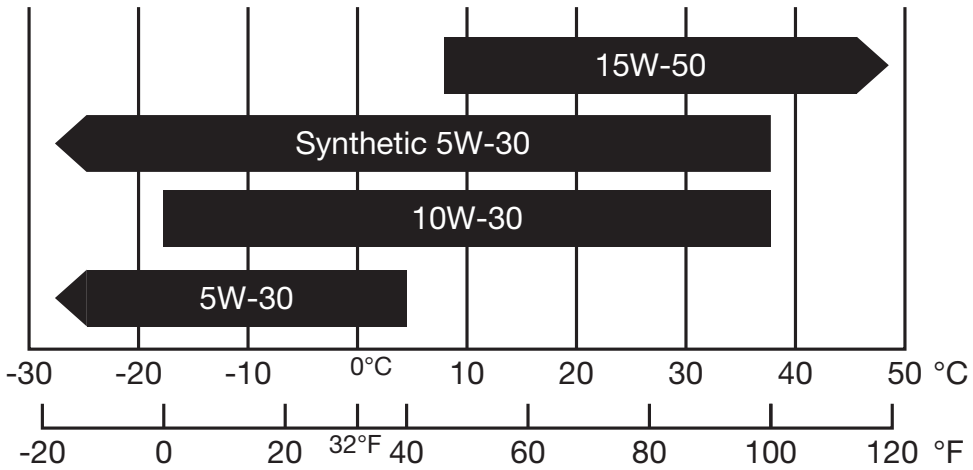
1. With the engine stopped but still warm, place the unit on a level surface and remove the Ignition key.
   a. If the engine is cold, run the engine for a few minutes to allow it to warm up. Turn OFF the engine and remove the ignition key when the engine has warmed.
2. Remove the oil drain bolt and tilt the snowthrower slightly to drain the oil into an appropriate container.
3. After the oil has drained, reinstall and tighten the oil drain bolt.
4. Clean any moisture or debris from the oil fill area.

5. Remove oil dipstick and wipe with a clean cloth.
6. Pour engine oil slowly into the engine oil fill tube. Check the oil level by inserting the dipstick without screwing it on. Do not overfill.
7. Wait one minute, then insert and tighten the dipstick.

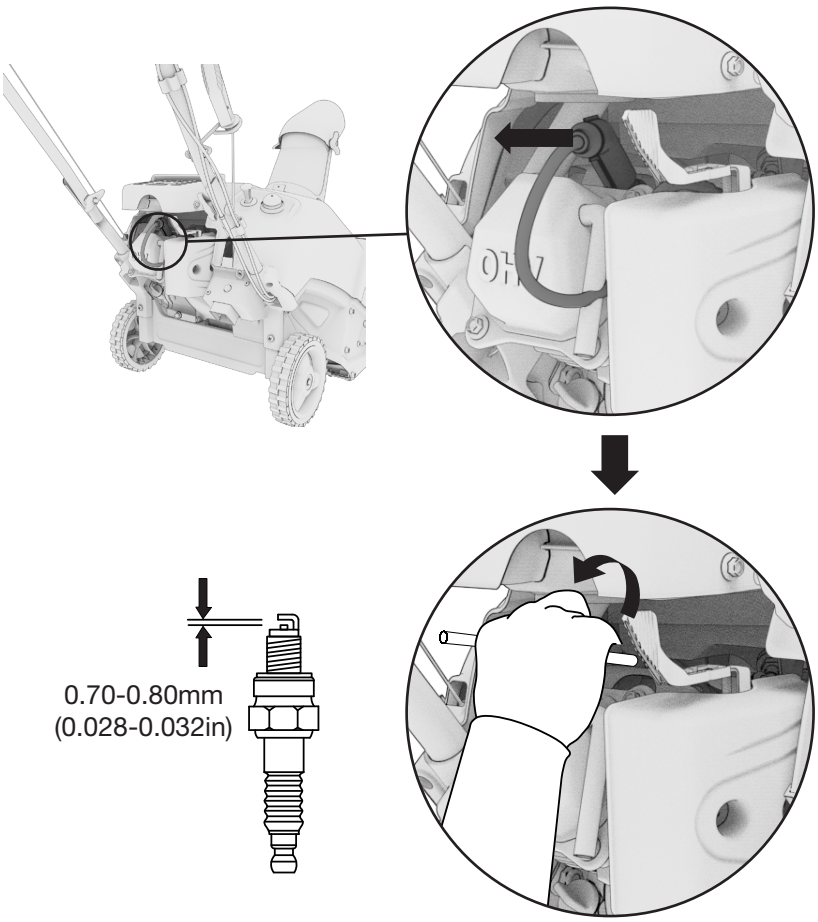
NOTE

- Oil max. capacity: 11.8 fl.oz / 350 mL
- SAE 5W-30 oil is recommended for general use.
- Use of synthetic oil does not change maintenance intervals.
- DO NOT OVERFILL.

Effective Viscosity Range of Engine Oils



8.3 SPARK PLUG SERVICE



1. Remove the spark plug cap.
2. Remove the spark plug with the spark plug wrench.
3. Visually inspect the spark plug. Replace with a new one if the insulation is cracked or chipped. Clean with a wire brush if the spark plug is reused.
4. Measure the spark plug gap with a feeler gauge. The normal value is: 0.7-0.8mm (0.028- 0.032in). Adjust the gap by carefully bending the electrode.
5. Carefully reinstall the spark plug by hand, to avoid cross-threading. A new spark plug should be tightened 1/2 turn with a wrench. A used spark plug should be tightened 1/8 to 1/4 turn with wrench.
6. Reinstall the spark plug cap.

8.4 CLEARING A CLOGGED CHUTE DEFLECTOR

1. Place the unit on a level surface. Release the auger lever. Turn off the engine and remove the ignition key. Ensure the augers have stopped moving.
2. Using a clean-out tool (not included), remove the clog.

8.5 PROPER DISPOSAL

Obey the recycling requirements and applicable regulations in your region. Discard all chemicals, such as engine oil or fuel, at an appropriate disposal location.

8.6 CARBURETOR MODIFICATION FOR HIGH ALTITUDE OPERATION (ABOVE 2000 FEET)

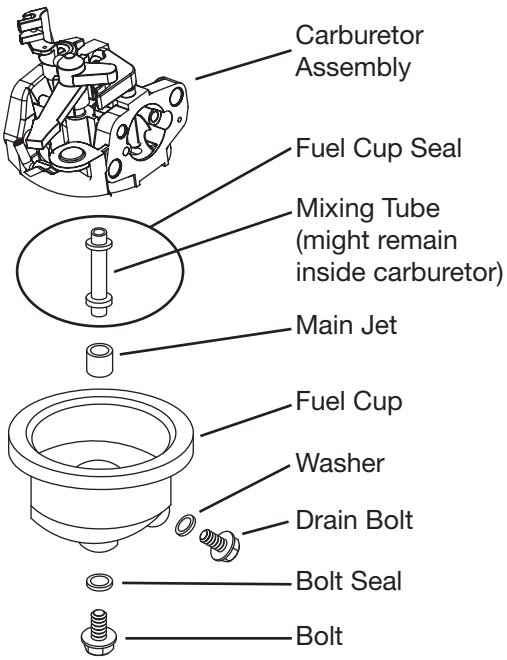
NOTE

- This engine is equipped to run at altitudes below 2,000-ft.
- A high-altitude main jet is recommended when operated at 2,000 to 7,000-ft above sea level.
- At elevations above 7,000-ft the engine may experience decreased performance even with a high-altitude main jet.

At high altitudes the carburetor's air/fuel mixture becomes too rich, resulting in higher fuel consumption, lower performance, and carbon build-up on the spark plug. On the other hand, if the carburetor has been modified for high altitude operation and is operated below 2000-ft, the air/fuel mixture will then be too lean for low altitude use. Always use the correct main jet for your altitude.

The engine's carburetor, governor (if so equipped), and any other parts that control the air/fuel ratio will need to be adjusted by a qualified mechanic to allow efficient high-altitude use, and to prevent damage to the engine and any other devices used with this product. The fuel system on this engine may be influenced by operation at higher altitudes.

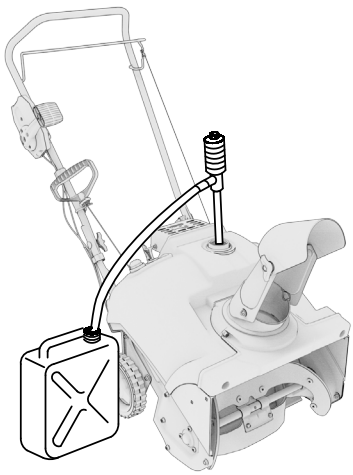
- The carburetor bowl may have gas in it which will leak upon removing the bolt.
- The mixing tube is held in place by the main jet and might fall out when it is removed. If it falls out, replace it in the same orientation before replacing the main jet.
- The fuel cup seal and bolt seal may be damaged during removal and should be replaced with the new ones.



1. Turn off the engine.
2. Close the fuel valve.
3. Place a bowl under the fuel cup to catch any spilled fuel.
4. Unthread the bolt holding the fuel cup.
5. Remove the bolt, bolt seal, fuel cup, fuel cup seal and main jet from the body of the carburetor assembly. A carburetor screwdriver (not included) is needed to remove and install the main jet.
6. Replace the main jet with the replacement main jet needed for your altitude range.
7. Replace the fuel cup seal, fuel cup, bolt seal, and bolt. Tighten in place. Do not cross thread bolt when tightening. Finger tighten first and then use a wrench to make sure the bolt is properly threaded.
8. Wipe up any spilled fuel and allow excess to evaporate before starting engine. To prevent FIRE, do not start the engine while the smell of fuel hangs in the air.

9. TRANSPORTATION & STORAGE

Draining the Fuel Tank



Drain the old gas and completely fill the tank with fresh gas. Add a fuel stabilizer according to the manufacturer's directions to keep your fuel fresh over long periods, we recommend B3C fuel additives. Run the engine for 2 minutes to circulate the fuel stabilizer.

Transporting the Snowthrower

1. Do not overfill the fuel tank (No residual fuel on the neck of tank).
2. Avoid exposing the snowthrower to prolonged direct sunlight while in an enclosed vehicle. The high temperature inside the vehicle could cause fuel to vaporize resulting in a possible explosion.
3. Drain the snowthrower of fuel and oil before being transported on rough roads.

Storage

Gasoline can oxidize in as little as 30 days, causing gum and varnish to build up in fuel system components.

NOTE

- Ensure that the storage area is free of excess humidity and dust.

Storage Duration	Preparation Required
Less than 1 Month	■ No storage preparation required, simply store as is.
1 Month to 1 Year	■ Drain the old gas and completely fill the tank with fresh gas before storage. Add fuel stabilizer according to the manufacturer's directions. Adding a quality fuel stabilizer can keep gas fresh for up to a year.
1 Year or More	■ Drain off the gasoline from the fuel tank, and store in a suitable container. This will help prevent deposits from forming in the fuel system. ■ Turn the fuel switch to OPEN and loosen the carburetor drain bolt. Take off the spark plug cap and revolve the engine 3 or 4 times, by pulling the recoil handle, to fully discharge the gasoline from the fuel lines. ■ Turn the fuel switch to CLOSED and tighten the drain bolt of the carburetor. ■ Change oil while engine is still warm from operation. ■ Remove the spark plug, and pour a tablespoon of clean engine oil (10~20ml) into the cylinder. Revolve the engine several times by pulling on the recoil start to distribute the oil. Reinstall the spark plug. Pull the starter grip slowly until you feel resistance. At this point, the piston is coming up on its compression stroke and both the intake and exhaust valves are closed. This position helps to protect the engine from internal corrosion.

10. TROUBLESHOOTING

Problem	Look for	Solution
The engine does not start	The safety ignition key is not inserted.	Insert the safety ignition key.
	Out of fuel.	Fill the fuel tank.
	The ignition key is off.	Push the key in to the ON position.
	The choke is in the OFF position.	Turn the choke to the ON position.
	The primer button was not pressed (cold engine).	Press the primer button 1-3 times.
	The engine is flooded.	Wait a few minutes before restarting. DO NOT Prime.
		Restart the engine with full throttle and the choke in the OFF position.
	The spark plug is not connected.	Connect the wire to the spark plug.
	Spark plug is damaged or bad.	Replace the spark plug.
	There is vapour trapped in the fuel line.	Make sure the fuel line is below the outlet of the fuel tank. The fuel line should run continuously down from the fuel tank to carburetor.
Decreased power	Spark plug wire is not connected.	Connect the wire to the spark plug.
	The muffler is blocked.	Make sure the engine has cooled. Clear the blockage.
	The air intake of the carburetor is blocked.	Make sure the engine has cooled. Clear the blockage.

The engine idles or runs roughly	The choke is in the ON position.	Move the choke to the OFF position.
	Fuel line is blocked.	Clear the fuel line.
	There is water in the fuel or the fuel is too old.	Empty the fuel tank and carburetor. Fill the fuel tank with fresh, clean gasoline.
	The carburetor needs to be replaced.	Contact an authorized service center.
Excessive vibrations	Loose parts or damaged impeller.	Stop engine immediately. Tighten all hardware. If vibration continues, have the unit serviced by an authorized service center.
The chute rotator is difficult to move	There is debris in the chute rotator mechanism.	Clean the internal parts of the chute rotator mechanism.
	The cables are kinked or damaged.	Make sure the cables are not kinked. Replace the cables that are damaged.

11. TECHNICAL SPECIFICATIONS

	SPECIFICATIONS	**HS4620**
ENGINE	Type	Single Cylinder 4 Stroke OHV
	Engine Displacement	99cc
	Horsepower	3 HP
	Engine Speed	4000 rpm
	Spark Plug	E5TC/E5RTC
	Spark Plug Gap	0.028 - 0.032 in. (0.7-0.8mm)
	Start System	Recoil
	Fuel Capacity	0.4 Gal / 1.4 L
	Fuel Type	Unleaded Gasoline (Max. 10% ethanol)
	Fuel Consumption	420g/kw/h
	Oil Capacity	11.8 fl. oz. / 350 mL
	Oil Type	SAE 10W30 (Above 0°C (32°F)) SAE 5W30 Below 0°C (32°F))
SNOWTHROWER	Stages	1
	Deck Width	18 inch
	Deck Height	10.5 inch
	Chute Material	Plastic
	Chute Control	Distance Turntable
	Chute Rotation	190° Rotation - Right side turntable 190° Rotation - Left side turntable
	Chute Deflector Material	Plastic
	Chute Deflector Control	Manual
	Max Throwing Distance	20 ft / 6 m
	Min Throwing Distance	13 ft / 4 m
	Auger Diameter	7 in
	Auger Material	Rubber
	Scraper Bar Material	Nylon
	Wheel	7 in
	Dimensions (L*W*H)	42.9 x 20.5 x 40.2 in
	Net Weight	53.9 lbs / 24.5 kg

12. APPENDIX

The standard condition of rated power output:
Altitude: 0m
Ambient temperature: 77°F (25°C)
Relative humidity: 30%

Factor of Environment Correction:

Altitude (m)	Ambient Temperature°F (°C)				
	77° (25°)	86° (30°)	95° (35°)	104° (40°)	113 (45°)
0	1	0.98	0.96	0.93	0.90
500	0.93	0.91	0.89	0.87	0.84
1000	0.87	0.85	0.82	0.80	0.78
2000	0.75	0.73	0.71	0.69	0.66
3000	0.64	0.62	0.60	0.58	0.56
4000	0.54	0.52	0.50	0.48	0.46

NOTE:
Relative humidity 60% correction factor C-0.01
Relative humidity 80% correction factor C -0.02
Relative humidity 90% correction factor C-0.03
Relative humidity 100% correction factor C-0.04

Example:

Rated power (PN) 2.8kVA snowthrower (Altitude: 1000m) Ambient temperature: 35°C, Relative humidity: 80%

P=Pn*(C-0.02)=2.8*(0.82-0.02)=2.24kVA

13. LIMITED WARRANTY

This product is distributed by:
Midland Power Inc.
376 Magnetic Drive, Toronto, ON M3J 2C4, Canada

Warranty

Beginning at the time of retail purchase and for the duration of the warranty period Midland Power Inc. (Midland) warrants that Equipment manufactured by it is warranted to be free from defects in material and workmanship. Midland will, at its sole discretion, replace or repair any part(s) which, upon evaluation and testing by Midland or an authorized service center, show a defect in workmanship or material. Valid proof of purchase must be submitted online for registration with Midland, or presented to Midland at time of claim, for warranty to be valid. This warranty is not transferable from the original owner.

Limited Warranty Period:

Non-commercial use:

- Year 1 - Parts and Labour
- Year 2 and 3 - Parts

Commercial use:

- First 6 Months - Parts and Labour

Replacement parts sold to a consumer or installed by an authorized service center are warranted for a period of 90 days from date of purchase. Labour must be performed by an authorized service center unless given Midland's prior written approval. Midland will not bear any transportation or shipping fees to or from an authorized service center. Service calls, travel charges, overtime, or weekend rates, are not covered.

This warranty does NOT cover:

a. Any repairs required as a result of any parts not supplied by Midland, and this part is responsible for the failure or malfunction;

b. Any Equipment modified, altered, disassembled or remodelled;

c. Any repairs required as a result of a failure to install, maintain, store, transport, or operate the Equipment in accordance with standard practices set out in the user guide;

d. Damage that occurred after receipt of equipment, not caused by defects in workmanship or material;

e. Normal maintenance services, as outlined in the user guide and intended for a consumer to perform;

f. Replacement of parts made in connection with normal maintenance services including oils, adhesives, additives, fuel, filters, brushes, belts, lubricants, spark plugs, gaskets, seals, fasteners, wires, tubes, pipes, fittings, wheels, batteries, and other expendables susceptible to natural wear;

g. Any accessory or attachment.

Any battery supplied with this Equipment is considered a consumable item and is excluded from this warranty. Batteries can be damaged by shock, shorting terminals, heat, acid spillage, neglect, and other factors. It is the customer's responsibility to take great care when handling a battery so no spillage of acid occurs which may cause corrosion.

Midland disclaims any responsibility for loss of time or use of the product, transportation, or towing costs or any other indirect, incidental, or consequential damage, inconvenience or commercial loss.

This warranty is the entire and only warranty given by Midland for Midland products or equipment. No agent or employee is authorized to extend or enlarge this warranty on behalf of Midland by any written or verbal statement or advertisement.

California

The California Air Resources Board and Midland Power Inc. are pleased to explain the emission control system warranty on your Midland Power Inc. engine. In California, new spark-ignited small off-road equipment engines must be designed, built, and equipped to meet the State's stringent anti-smog standards.

Other States, U.S. territories, and Canada

In other areas of the United States and in Canada, your engine must be designed, built, and equipped to meet the U.S. EPA and Environment Canada emission standards for spark-ignited engines at or below 19 kilowatts.

All of the United States and Canada

Midland Power Inc. must warrant the emission control system on your power equipment engine for the period of time listed below, provided there has been no abuse, neglect, or improper maintenance of your power equipment engine. Where a warrantable condition exists, Midland Power Inc. will repair your power equipment engine at no cost to you including diagnosis, parts, and labor.

Your emission control system may include such parts as the carburetor or fuel injection system, the ignition system, and catalytic converter. Also included may be hoses, connectors, and other emission-related assemblies.

Emission Control System Warranty Parts:

This list applies to parts supplied by Midland Power Inc. and does not cover parts supplied by the equipment manufacturer. Please see the original equipment manufacturer's emissions warranty for non-Midland Power Inc. parts.

Consumable parts are covered up to a maximum of 30 days.

SYSTEMS COVERED IN WARRANTY	PARTS DESCRIPTION
Fuel Metering	Carburetor assembly (includes starting enrichment system), Engine temperature sensor, Engine control module, Fuel regulator, Intake manifold
Evaporative	Fuel Tank, Fuel Cap, Fuel Hoses, Vapor Hoses, Carbon Canister, Canister Mounting Brackets, Fuel Strainer, Fuel cock, Fuel Pump, Fuel Hose Joint, Canister Purge Hose Joint
Exhaust	Catalyst, Exhaust Manifold
Air Induction	Air filter housing, Air filter element
Ignition	Flywheel magneto, Ignition pulse generator, Crankshaft position sensor, Power coil, Ignition coil assembly, Ignition control module, Spark plug cap, Spark plug
Crankcase Emission Control	Crankcase breather tube, Oil filler cap
Miscellaneous Parts	Tubing, fittings, seals, gaskets, and clamps associated with these listed systems

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Customer Service

Online: www.hyundaipower.ca

E-mail: support@midlandpowerinc.com

Toll Free: 1-877-528-3772

Enjoy!

Be sure to check www.hyundaipower.ca for updates regarding your product.

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