

PK30230L SINGLE STAGE SNOW THROWER

Pow'R'kraft®

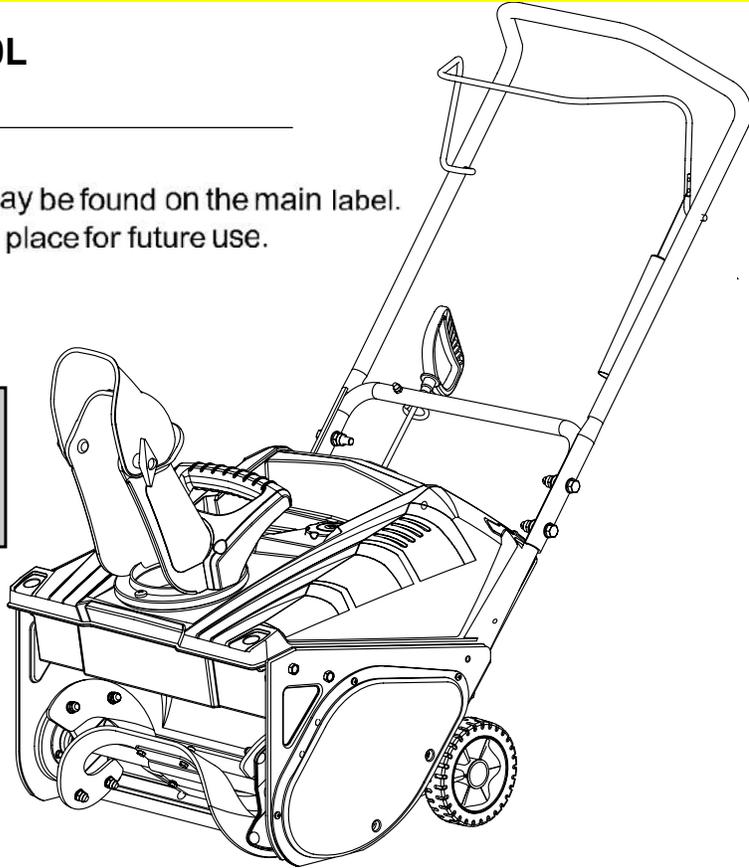
MODEL NUMBER: PK30230L

SERIAL NUMBER : _____

Both model number and serial number may be found on the main label.
You should record both of them in a safe place for future use.



Before starting the engine, check engine oil level and ensure the engine is filled as described in the Engine



Save This Manual for Future Reference

OPERATION & PARTS MANUAL

FOR YOUR SAFETY!

**Please read these instructions carefully before using!
Check all fluid levels before each use!**

www.Betstco.com



Phone: 541-895-3083
E-mail cservice@betstco.com
83371 Melton Rd, Creswell OR 97426



RUGGED LABOR SAVING EQUIPMENT SINCE 1995

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Engine is a made by Loncin and warranty support is through www.awsglobal.net. 1-866-393-3968

INTRODUCTION

Your new snow thrower will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria. You will find it easy and safe to operate, and with proper care, it will give you many years of dependable service.



Carefully read through this entire operator's manual before using your new snow thrower. Take special care to heed the cautions and warnings.

Your snow thrower has many features that will make your job faster and easier. Safety, performance, and dependability have been given to top priority in the development of this machine, making it easy to maintain and operate.

The Engine manufacturer is responsible for all engine-related issues with regards to performance, power rating, specifications, warranty and service. Please refer to the Engine Manufacturer's owner's/operator's manual, packed separately with your unit, for more information.

Specifications

Item No.	30230
Clearing Width	46.1cm
Intake Height	28.4cm
Auger Dia.	20.0cm
Speed	1F

Snow Engine model LC154 87cc

ENVIRONMENTAL



Recycle unwanted materials instead of disposing off them as waste. All tools, hoses and packaging should be resorted, taken to the local recycling center and disposed off in an environment-friendly safe way.

SYMBOLS

The rating plate on your machine may show symbols. These represent important information about the product or instructions on its use.



Read these instructions for use carefully.



Wear eye protection.
Wear hearing protection.



Wear safety footwear.



Keep bystanders away.



Stop engine and remove ignition key prior to leaving the operator's position.



Only use clean-out tool to clear blockage. Never use your hands.



Do not use the chute handle to lift the unit.



It is forbidden to remove or tamper with the protection devices and safety devices.



Do not smoke or have open flames.



Do not touch a hot muffler, gear housing or cylinder.



Stop engine, remove key, read manual before making any repairs or adjustments.



Keep hands out of the inlet and discharge openings while machine is running.



Stay away from rotating augers.



Never direct discharge towards persons or property.

SAFETY

General Safety Rules

Understand your machine

Allow operation only by properly trained adult, never children.

Read and understand the operator's manual and labels affixed to the machine. Learn its application and limitations as well as the specific potential hazards peculiar to it.

Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.

Make sure to read and understand all the instructions and safety precautions as outlined in the Engine Manufacturer's Manual, packed separately with your unit. Do not attempt to operate the machine until you fully understand how to properly operate and maintain the Engine and how to avoid accidental injuries and/or property damage.

Work area

Never start or run the engine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odorless and deadly gas. Operate this unit only in a well ventilated outdoor area.

Never operate the machine without good visibility or light.

Never operate the machine on a steep slope.

Personal safety

Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

Dress properly. Wear heavy long pants, boots and gloves. Do not wear loose clothing, short pants, and jewelry of any kind. Secure long hair so it is above shoulder level. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

Use safety equipment. Always wear eye protection. Safety equipment such as a dust mask, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc. are securely tightened. Disengage all clutches and shift into neutral before starting the engine.

Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.

Never tamper with safety device. Check their proper operation regularly.

Do not use the machine if the engine's throttle control does not turn it on or off. Any gasoline powered machine that can not be controlled with the engine throttle control is dangerous and must be replaced.

Form a habit of checking to see that keys and adjusting wrenches are removed from machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.

Stay alert, watch what you are doing and use common sense when operating the machine.

Do not overreach. Do not operate the machine while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces. Keep proper footing and balance at all times. This enables better control of the machine in unexpected situations.

Avoid accidental starting. Be sure the engine's throttle control is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with its throttle control on invites accidents.

Fuel safety

Fuel is highly flammable, and its vapors can explode if ignited. Take precautions when using to reduce the chance of serious personal injury.

When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor area. Do not smoke, or allow sparks, open flames or other sources of ignition near the area while adding fuel or operating the unit. Never fill fuel tank indoors.

Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing. These events could ignite fumes or vapors.

Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot. Do not operate the machine with known leaks in the fuel system.

When practical, remove the machine from the truck or trailer and refuel it on the ground. If this is not possible, then refuel the machine on a trailer with a portable container, rather than from a fuel dispenser nozzle.

Loose the fuel tank cap slowly to relieve any pressure in the tank.

Keep the nozzle in contact with the firm of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.

Never over fill fuel tank. Fill tank to no more than 12.5mm (1/2") below the bottom of the filler neck to provide space for expansion as the heat of the engine and/or sun cause fuel to expand.

Replace all fuel tank and container caps securely and wipe up spilled fuel. Never operate the unit without the fuel cap securely in place.

Avoid creating a source of ignition for spilled fuel. If fuel is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated. Serious personal injury can occur when fuel is spilled on yourself or your clothes which can ignite. Wash your skin and change clothes immediately.

Store fuel in containers specifically designed and approved for this purpose.

Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before filling.

Store fuel in a cool, well-ventilated area. Safely away from sparks, open flames or other sources of ignition.

Never store fuel or machine with fuel in the tank inside a building where fumes may reach a spark, open flame, or other sources of ignition, such as a water heater, furnace, clothes dryer and the like. Allow the engine to cool before storing in any enclosure.

Machine use and care

Never pick up or carry a machine while the engine is running.

Do not force the machine. Use the correct machine for your application. The correct machine will do the job better and safer at the rate for which it was designed.

Do not change the engine governor settings or over-speed the engine. The governor controls the maximum safe operating speed of the engine.

Do not put hands or feet near rotating parts.

Avoid contact with hot fuel, oil, exhaust fumes and hot surfaces. Do not touch the engine or muffler. These parts get extremely hot from operation. They remain hot for a short time after you turn off the unit. Allow the engine to cool before doing maintenance or making adjustments.

After striking a foreign object, stop the engine, remove the wire from the spark plug, thoroughly inspect the machine for any damage, and repair the damage before restarting and operating the machine.

If the machine should start to make an unusual noise or vibration, immediately shut off the engine, disconnect the spark plug wire, and check for the cause. Unusual noise or vibration is generally warning of trouble.

Use only attachments and accessories approved by the manufacturer. Failure to do so can result in personal injury.

Maintain the machine. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use. Many accidents are caused by poorly maintained equipment.

Keep the engine and muffler free of grass, leaves, excessive grease or carbon build up to reduce the chance of a fire hazard.

Never douse or squirt the unit with water or any other liquid. Keep handles dry, clean and free from debris. Clean after each use.

Observe proper disposal laws and regulations for gas, oil, etc. to protect the environment.

Store idle machine out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate it. Machine is dangerous in the hands of untrained users.

Service

Before cleaning, repair, inspecting, or adjusting shut off the engine and make certain all moving parts have stopped. Always make sure the engine's throttle control is in its STOP position. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.

Have your machine serviced by qualified repair personnel using only identical replacement parts. This will ensure that the safety of the machine maintained.

Specific Safety Rules

Do not operate without wearing adequate winter outer garments.

Do not use the machine on a roof.

Always check overhead and side clearances carefully before operation. Always be aware of traffic when operating along streets or curbs.

Thoroughly inspect the area to be worked. Keep the working area clean and free of toys, doormats, newspapers, sleds, boards, wires and other foreign objects, which could be tripped over or thrown by the auger/impeller. Check for weak spots on docks, ramps or floors.

Plan your snow-throwing pattern to avoid discharge toward people or areas where property damage can occur.

Do not operate near drop-offs, ditches, or embankments. Machine can suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.

Keep all bystanders, children, and pets at least 23m (75 feet) away. If you are approached, stop the unit immediately.

Use a grounded three-wire extension cord and receptacle for all machines with electric start engines.

Check clutch and brake operation frequently. Adjust and service as required. The auger must stop quickly when control lever is released.

Let engine and machine adjust to outdoor temperature before starting to clear snow.

Stay alert for hidden hazards or traffic.

Do not overload machine capacity by attempting to clear snow at too fast of a rate.

Do not throw snow any higher than necessary.

Adjust auger housing height to clear gravel or crushed rock surfaces. Exercise extreme caution when operating.

Exercise caution to avoid slipping or falling, especially when operating in reverse. Never operate machine at high transport speeds on slippery surfaces. Always look down and behind before and while backing.

Do not operate on steep slopes. Do not clear snow across the face of slopes. Keep all movement on slopes slow and gradual. Do not make sudden changes in speed or direction. Use a slow speed to avoid stops or shifts on slopes. Avoid starting or stopping on a slope.

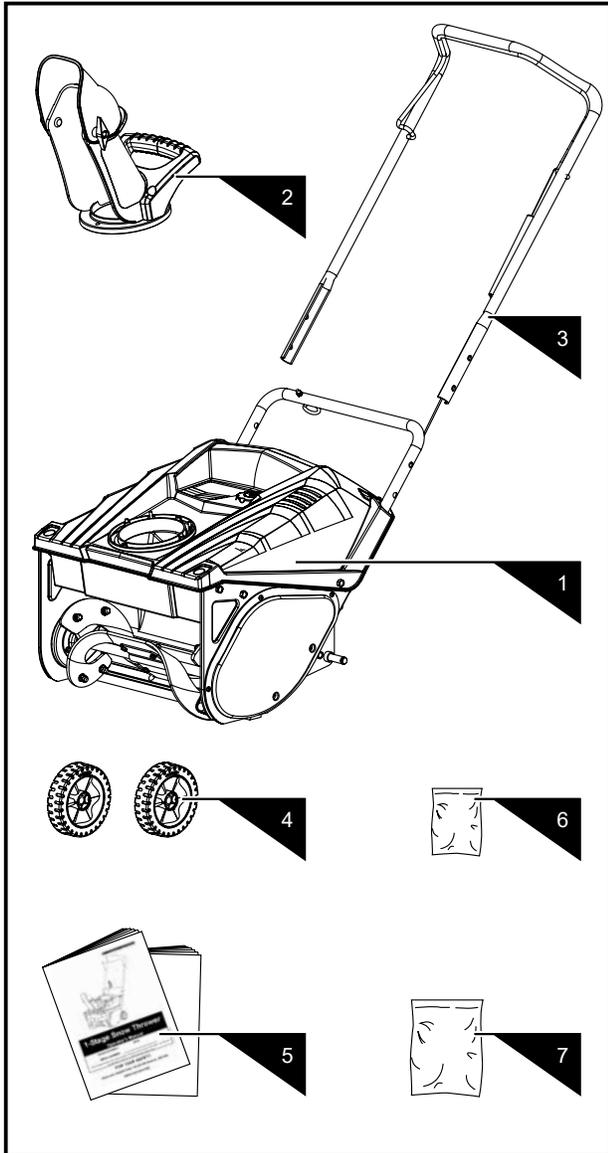
Disengage power to the auger when transporting or not in use.

Disengage all control levers and stop engine before you leave the operating position (behind the handles). Wait until the auger comes to a complete stop before unclogging the chute assembly, making any adjustments, or inspections.

Hand contact with the rotating parts inside the discharge chute is the most common cause of injury associated with snow throwers. Do not unclog chute assembly while engine is running. Shut off engine and remain behind handles until all moving parts have stopped before unclogging. Never put your hand in the discharge or collector openings. Always use the clean-out tool provided to unclog the discharge opening.

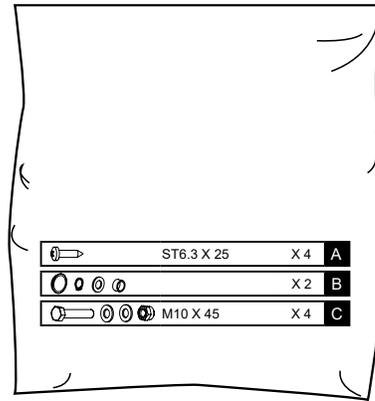
CONTENTS SUPPLIED

The snow thrower comes partially assembled and is shipped in carefully packed carton. After all the parts have been removed from the carton, you should have:



1. Snow Thrower Unit
2. Discharge Chute
3. Handle
4. Wheels (1 pair)
5. Operator's Manual & Engine Manual
6. Engine Hardware Bag

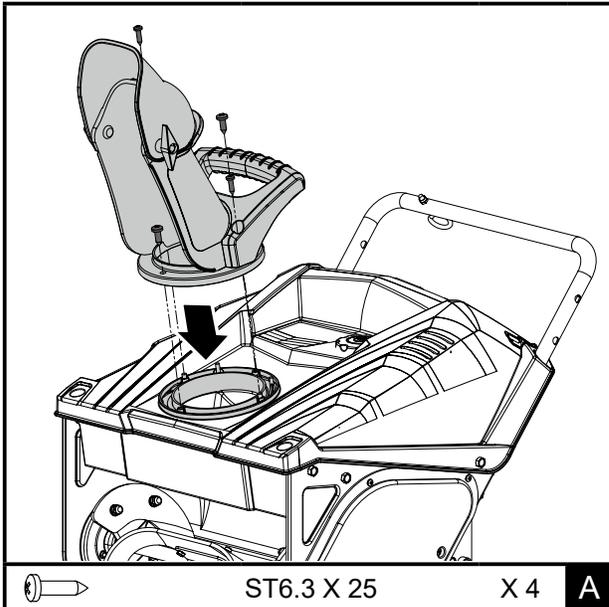
7. Snow Thrower Hardware Bag, Including



ASSEMBLY

Following the assembly directions below, you will assemble the snow thrower in a few minutes

Discharge Chute

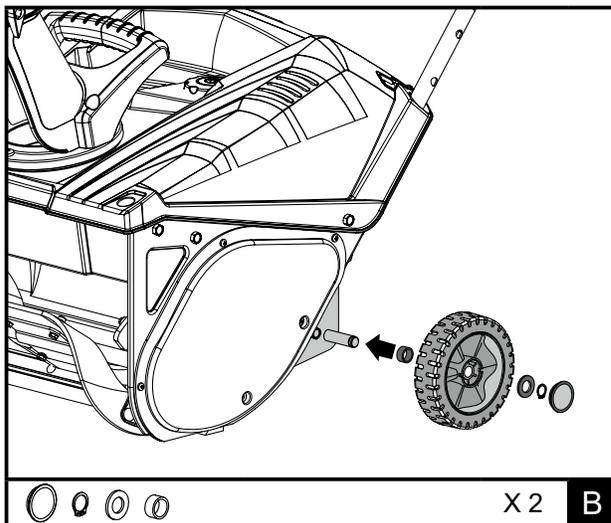


Align the holes in the chute base with the holes in the lower chute and secure with the self-tapping screws.



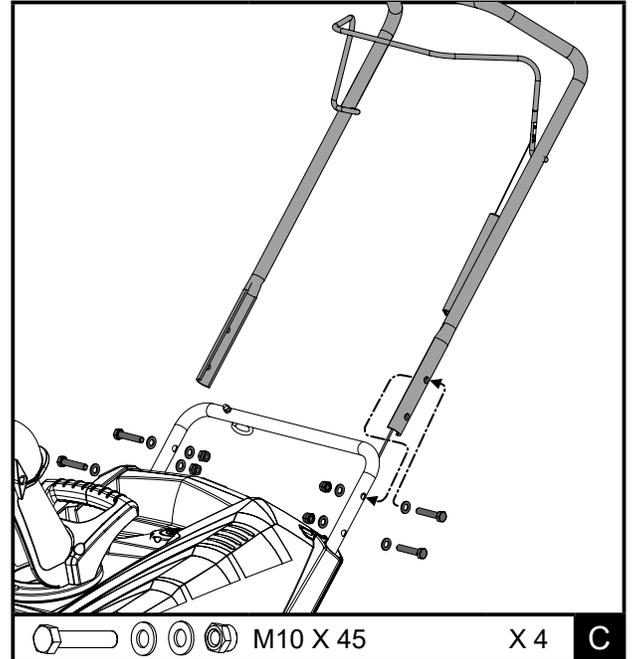
Do not overtighten the screws; otherwise you may damage the discharge chute and prevent it from turning freely.

Wheels

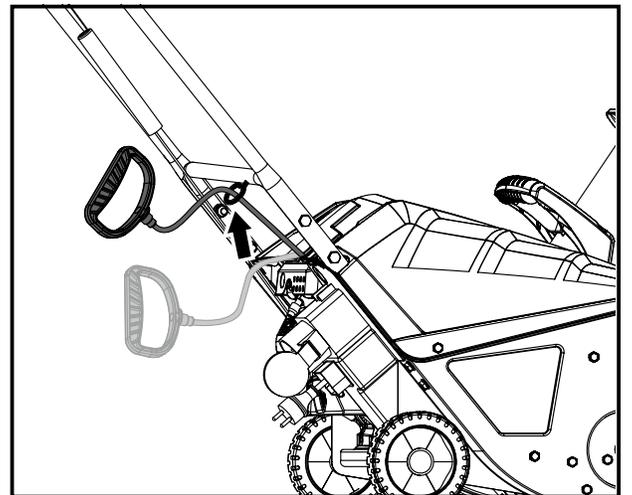


1. Slide the wheel bushing, the wheel and the washer onto the axle.
2. Install the snap ring to secure the wheel assembly.
3. Push the wheel cover into the wheel hole.
4. Repeat with the other wheel assembly.

Handle



1. Install the handle to the lower handle using four M10X50 screws, washers and nuts. Be sure not to pinch or kink the auger clutch cable in the process.



2. Slowly pull the recoil starter handle up towards the eye bolt.
3. Slip the recoil starter rope into the eye bolt from the back of the snow thrower.

KNOW YOUR MACHINE

Features and Controls

Auger Clutch

Cable Adjuster Link

Recoil Start Handle

Fuel Filler Cap

Chute Handle

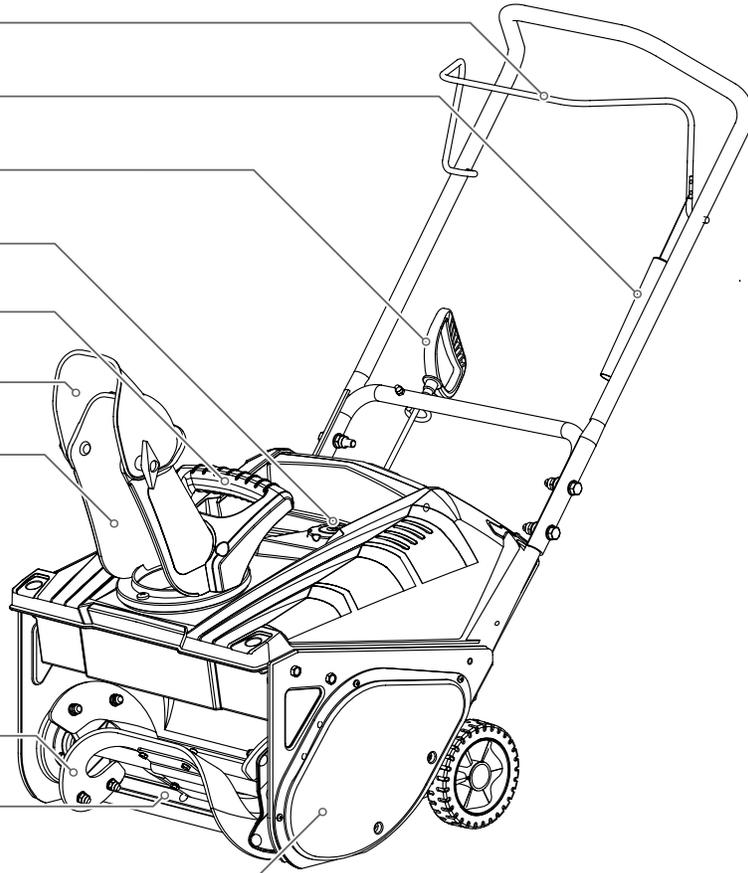
Chute Deflector

Discharge Chute

Auger

Scraper Blade

Belt Cover



Electric Start Button

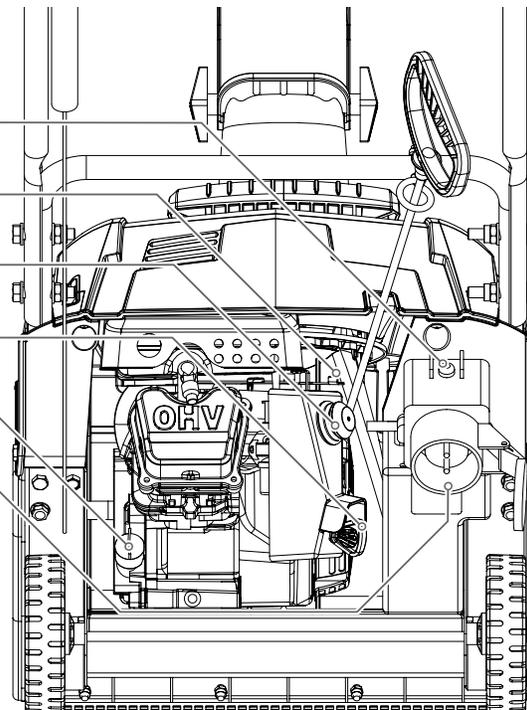
Choke

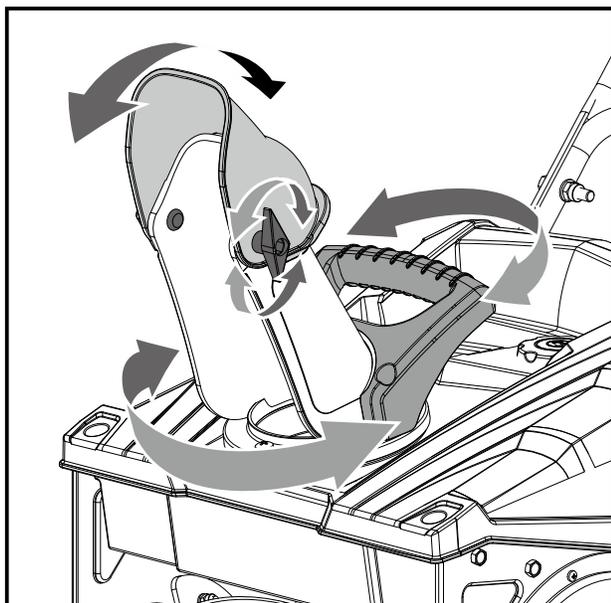
Primer

Safety Ignition Switch

Oil Drain Plug

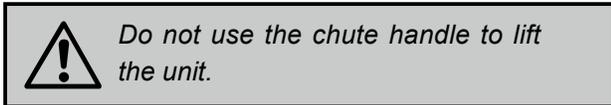
Power Cord Plug





Discharge Chute

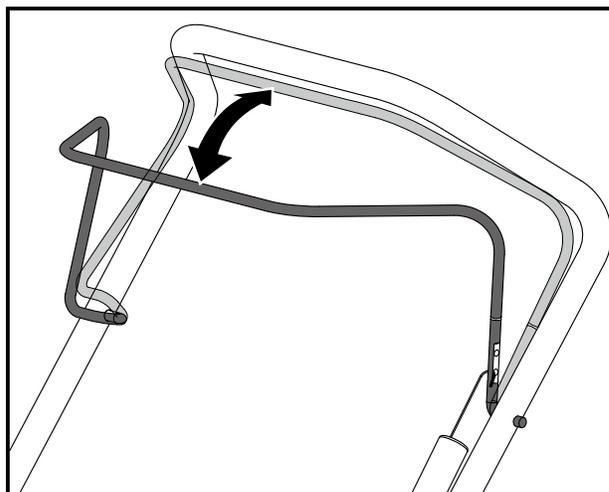
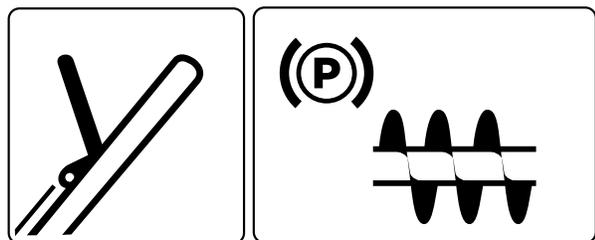
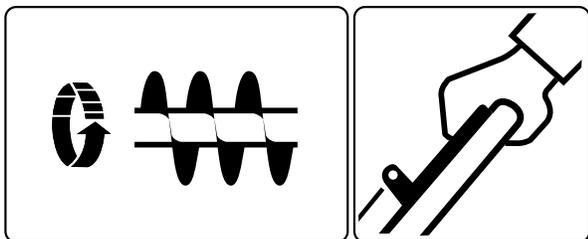
Grasp the chute handle and rotate the discharge chute to the left or right. A tension plate holds the chute in the desired position.



Chute Deflector

Loosen the deflector wing knob and adjust the chute deflector up or down to control the snow discharge height and distance. Tighten the wing knob securely to hold the desired deflector adjustment once the desired position have been achieved.

Auger Clutch

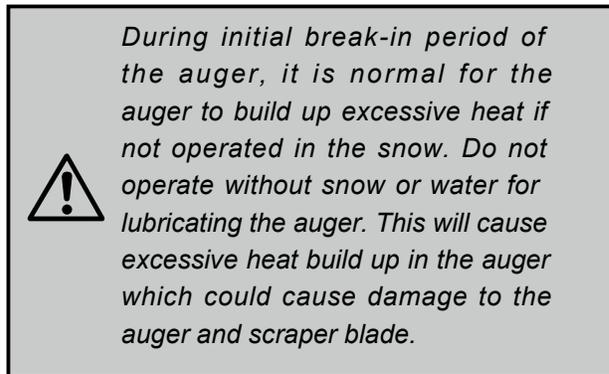


To engage the auger and start throwing snow, hold the auger clutch against the handle.

To disengage the auger, release the auger clutch.

Auger & Scraper Blade

When engaged, the auger rotates and draws snow into the auger housing and throws it out the discharge chute. Rubber paddles on the auger also aid in propelling the snow thrower as they come in contact with the pavement.



The scraper blade maintains contact with the pavement as the snow thrower is propelled, allowing snow close to the pavement's surface to be discharged.

The auger and the scraper blade are subject to wear and damage. They should be checked periodically. Adjust or replace when necessary.



During initial operation there may be wear between the auger and the scraper blade. Maximum performance, both snow throwing and driving, occurs when there is zero clearance between these two parts.

Choke

Engage choke by rotating lever to FULL position whenever you are starting a cold engine. As engine warms up, gradually rotate the choke to the OFF position.



Do not use choke to start a warm engine.



Never use choke to stop engine.

Primer

Press the primer to pump additional fuel from the carburetor to the cylinder for improved cold weather starting.



Firmly push in the primer with your thumb, holding the primer in for a second before releasing it each time.



Remove your glove when you push in the primer so that air can not escape from the primer hole.



Do not use the primer if the engine has been running and is hot. Excessive priming may flood the engine and prevent it from starting.

Recoil Starter

The recoil starter is on the back side of the engine. Pull the recoil starter handle to start the engine.

Safety Ignition Switch

Insert the safety ignition key for engine to start and run. To stop the engine, remove the key.

Electric Starter & Start Button (if so equipped)

The electric starter will start a properly choked and cranked engine when start button is pushed.

To start the machine, connect the electric starter to an electric power source with an approved extension cord and press the start button.



Use an extension cord recommended for outdoor use that is not longer than 15m (50 feet)



Thoroughly inspect the electrical cord before using the machine. If the cord is damaged, do not operate the machine. Replace or repair the damaged cord immediately.



Connect extension cord to the electric starter plug-in first and then to a power outlet; disconnect the extension cord from the power outlet first and then from the machine.



To prevent damaging the electric starter, do not run it more than 5 continuous seconds each time you try to start. Wait 10 seconds between each attempt.



Unplug the power cord whenever you are not starting the snow thrower.

Adjustments

Scraper Blade

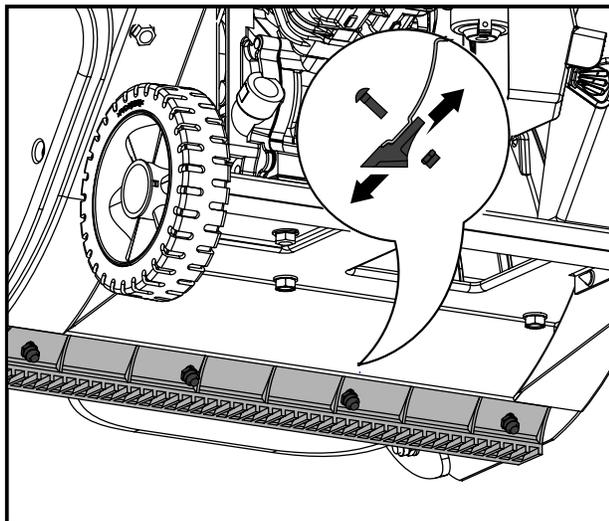
When place the snow thrower on a level surface, the wheels, scraper blade and auger should all contact the lever surface. If the scraper blade is adjusted too high, snow may blow under the housing. If the scraper blade wears out excessively, or the snow thrower does not self-propel, the scraper blade may be too low and needs to be adjusted.



On new snow throwers with a new scraper blade installed, the auger may be slightly off the ground.

To adjust the scraper blade proceed as follows:

1. Run the snow thrower until the fuel tank is empty.
2. Pull the recoil starter handle until resistance is felt. Then tip the snow thrower back until it rest on the handle.



3. Loosen the four flange lock nuts and carriage screws which secure the scraper blade to housing. Move the scraper blade to the desired position and retighten the nuts and screws securely.
4. Tip the snow thrower back to the operating position and pull the starter handle a few times to see if it is difficult to pull.
5. If the starter is difficult to pull, remove the spark plug and pull the handle several times to ensure that any oil trapped in the head is removed.



Oil may come out of the spark plug hole when it is removed and the starter handle is pulled.

6. Inspect the spark plug. If it is wet, clean off any oil before re-installing.

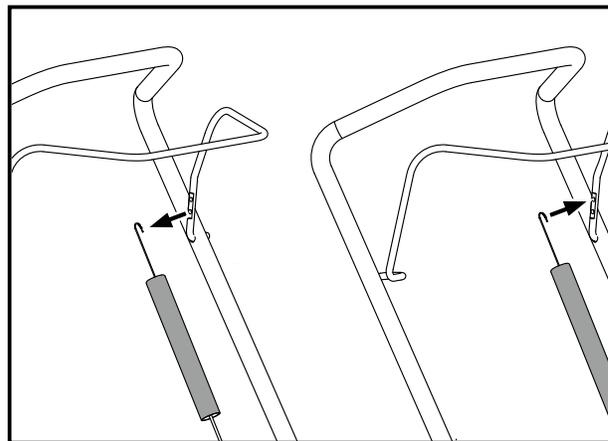
Auger Clutch

The auger must not turn unless the auger clutch is engaged. The auger must stop within 5 seconds after the auger clutch is released.



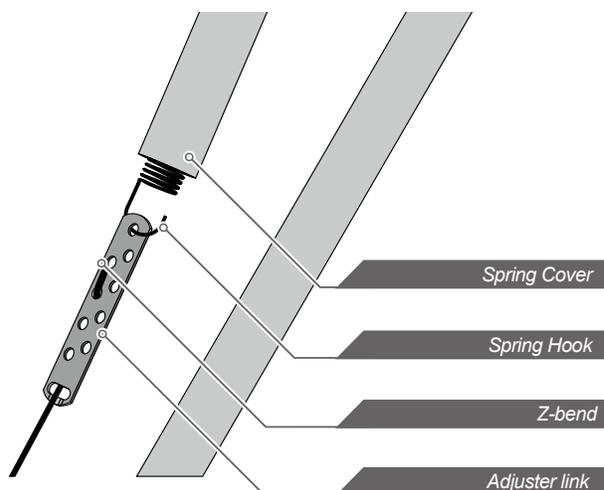
The clutch cable must contain some slack when you disengage the clutch lever for the auger to stop properly.

If the auger no longer turns when the auger clutch is engaged or if the belt slips under load, the auger cable or belt may have stretched. This can be compensated for by adjusting the auger clutch cable.



The upper hole in auger clutch lever provides for an quick adjustment method. To adjust, unhook and move the clutch cable to the upper position. Insert the cable from the outside.

The cable adjuster link on the auger clutch cable provides the method for vernier adjustment:



1. Slide up the spring cover and unhook the spring from the adjuster link.



You can pull up the adjuster link and cable to make unhooking the spring easier.

2. Move the Z-bend to a higher or lower hole on the adjuster link as needed to obtain proper auger clutch adjustment.
3. Hook the spring to the adjuster link and slide the spring cover over the adjuster link.

Test the snow thrower to see if there is a noticeable difference. If after the adjustment to the control cable the auger still hesitates when rotating, replace the auger belt.

OPERATION

Starting and Stopping the Engine



*Before starting the engine, check engine oil level and ensure the engine is served as described in the **Engine Manual** with the snow thrower.*

Cold Start – Electric Starter (if so equipped)

The engine is equipped with both electric starter and a recoil starter. The electric starter is equipped with a three-wire power cord and plug and is designed to operate at the voltage shown in the label.



Do not use the electric starter if your household voltage different from the one shown on the electric starter.

- 1 Insert safety ignition key into ignition slot until it clicks. Do not turn the key.
- 2 Move choke control to FULL position.
- 3 Push the primer 2 or 3 times. When temperature is below -25°C (15°F), additional priming may be needed. When temperature is above 10°C (50°F), priming is not necessary.



Over priming may cause flooding, preventing the engine from starting. If you do flood the engine, wait a few minutes before attempting to start and do not push the primer.

4. Connect the extension cord to the engine.
5. Plug the other end of the extension cord into a three-wire grounded receptacle.
6. Push starter button until engine starts.



To prevent damaging the electric starter, do not run it more than 5 continuous seconds each time you try to start. Wait 10 seconds between each attempt.

7. When the engine starts, release the starter button and slowly move the choke control to the OFF position.
8. Disconnect the extension cord from the receptacle first, then from the engine.

Cold Start – Recoil Starter

- 1 Insert safety ignition key into ignition slot until it clicks. Do not turn the key.
2. Rotate choke control to FULL position.
3. Push the primer 2 or 3 times. When temperature is below -25°C (15°F), additional priming may be needed. When temperature is above 10°C (50°F), priming is not necessary.



Over priming may cause flooding, preventing the engine from starting. If you do flood the engine, wait a few minutes before attempting to start and do not push the primer.

4. Grasp recoil starter handle and pull rope out slowly until it pulls harder. Let rope rewind slowly.
5. Pull rope with a rapid continuous full arm stroke. Do not allow starter rope to snap back.
6. Repeat steps 4 and 5 until engine starts.
7. When the engine starts, release the recoil starter handle and slowly move the choke control to the OFF position.

Warm Start

Follow the steps above, keeping the choke control in the OFF position and do not use primer.



Allow the engine to warm up for a few minutes, engine will not develop full power until it has reached normal operating temperature.



In snowy and cold conditions, some controls and moving parts may freeze. Do not use excessive force when trying to operate frozen controls. If you have difficulty operating any control or part, start the engine and let it run for a few minutes.

Snow Throwing Tips

It is easier and more efficient to remove snow immediately after it falls.

The best time to remove snow is the early morning. At this time the snow is usually dry and has not been exposed to the direct sun and warming temperatures.

Slightly overlap each successive path to ensure all snow will be removed.

For large areas, start in the middle and throw snow to each side, so snow is not cleared more than once.

For extremely heavy snow, reduce the width of snow removal by overlapping previous path and moving slowly.

Throw snow downwind whenever possible.

On gravel or crushed rock surfaces, push down slightly on the handle to avoid ingesting rocks. Do not allow rocks and gravel to be picked up and thrown from snow thrower.

Keep engine clean and clear of snow during use. This will help air flow and extend engine life.

After snow-throwing is completed, let the engine run for a few minutes to help dry off the moisture on the engine and prevent moving parts from freezing. Engage the auger to clear any remaining snow from inside the housing. Rotate the discharge chute to prevent it from freezing. Stop the engine, wait for all moving parts to stop, and remove all ice and snow from the snow thrower. With the engine off, pull the recoil starter handle several times to prevent the recoil starter from freezing up.

Unclogging Discharge Chute



Never use your hands to clear a clogged discharge chute. Shut off engine and remain behind handle until all moving parts have stopped before unclogging.

1. Shut off the engine.
2. Wait 10 seconds to be sure the auger has stopped rotating.
3. Always use a clean-out tool or stick at least 400mm (16") long, not your hands.

Traveling

Tip the handle forward slightly to allow the rubber paddles on the auger to contact the pavement and propel the snow thrower forward. Pushing downward on the handle will raise the auger off the ground and stop forward motion.



Excessive upward pressure on the handle will result in premature wear on the rubber auger paddles.

Transport



Always shut off engine, remove key, and close fuel shut-off valve when transporting unit on a truck or trailer. Do not transport machine while engine is running.

Use extra care when loading or unloading unit onto trailer or truck.

Secure unit chassis to transport vehicle. Never secure from rods or linkages that could be damaged.

MAINTENANCE

Engine

Refer to the Engine Operator's Manual.

Lubrication

Lubricate the pivot points on the auger clutch lever and the spring at the end of the clutch cable with a light oil once every season before off-season storage.

Off-Season Storage



Refer to the Engine Manual for information on storing your engine.

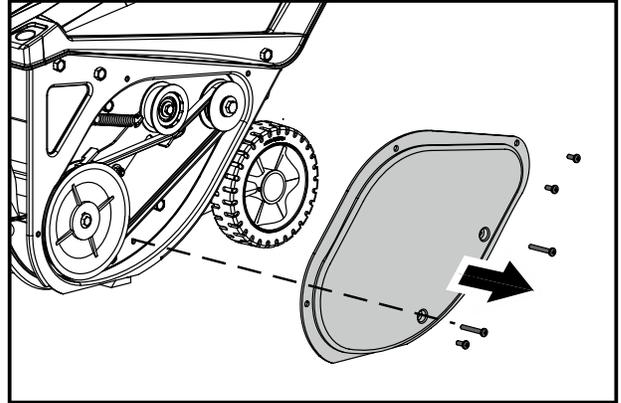
At the end of the season or if the snow thrower will not be used for 30 days or longer, follow the storage instructions below.

1. Run the engine until the fuel lines and carburetor are empty and it stops due to lack of fuel.
2. Remove the safety ignition key and allow the engine to cool.
3. Lubricate the machine as instructed.
4. Clean the exterior of the engine and the snow thrower thoroughly.
5. Touch up all rusted or chipped paint surfaces; sand affected areas before painting, and use a rust preventative to prevent the metal parts from rusting.
6. Tighten all loose screws, bolts, and locknuts. Repair or replace any damaged parts.
7. Cover the machine and store it in a clean, dry place out of the reach of children.

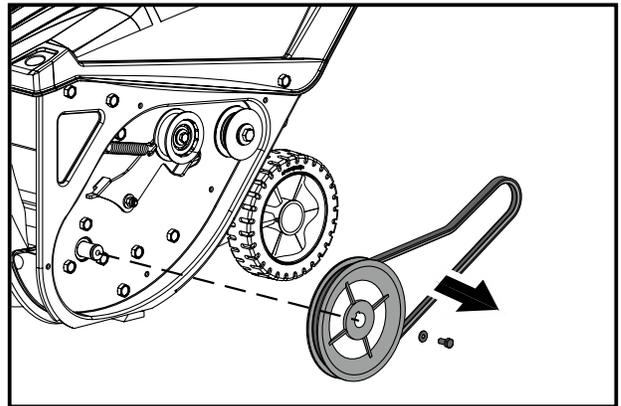
SERVICE

Auger Belt Replacement

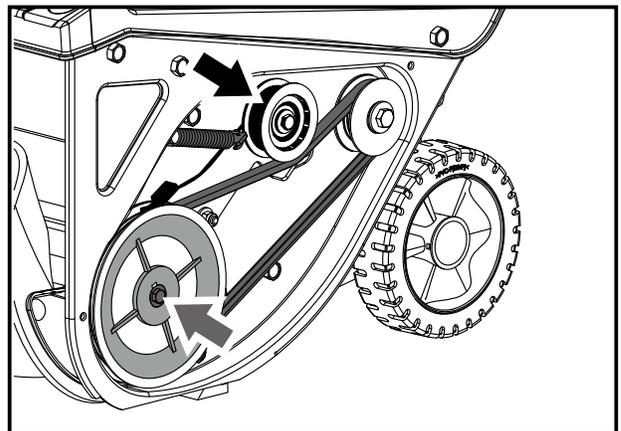
If the auger belt becomes worn, oil-soaked, or otherwise damaged, proceed as follows to replace the belt.



- 1 Remove the screws that hold the belt cover in place and set the cover aside.



- 2 Remove the auger pulley and the belt.



- 3 Route the new belt around the drive pulley and under the idler pulley.

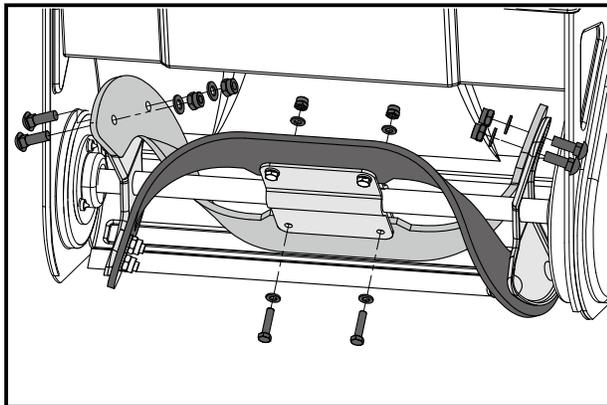
4. Route the end of the new belt around the auger pulley and slide the pulley back on to the auger shaft. It may be necessary to push down on the idler pulley to get the auger pulley under the belt keeper.
5. Replace the screw and washer and tighten securely.
6. Reinstall the belt cover removed earlier.

Auger Paddles Replacement

The snow thrower auger's rubber paddles are subject to wear and should be replaced if any signs of excessive wear are present.



Do not allow the auger's rubber paddles to wear to the point where portions of the metal auger itself can come in contact with the pavement. Doing so can result in serious damage to the snow thrower.



1. Remove the existing rubber paddles by loosening the screws and nuts which secure them to the auger.



The auger paddles should be replaced one at a time so that the auger still attached can be used as an example for positioning and re-installing the new auger.

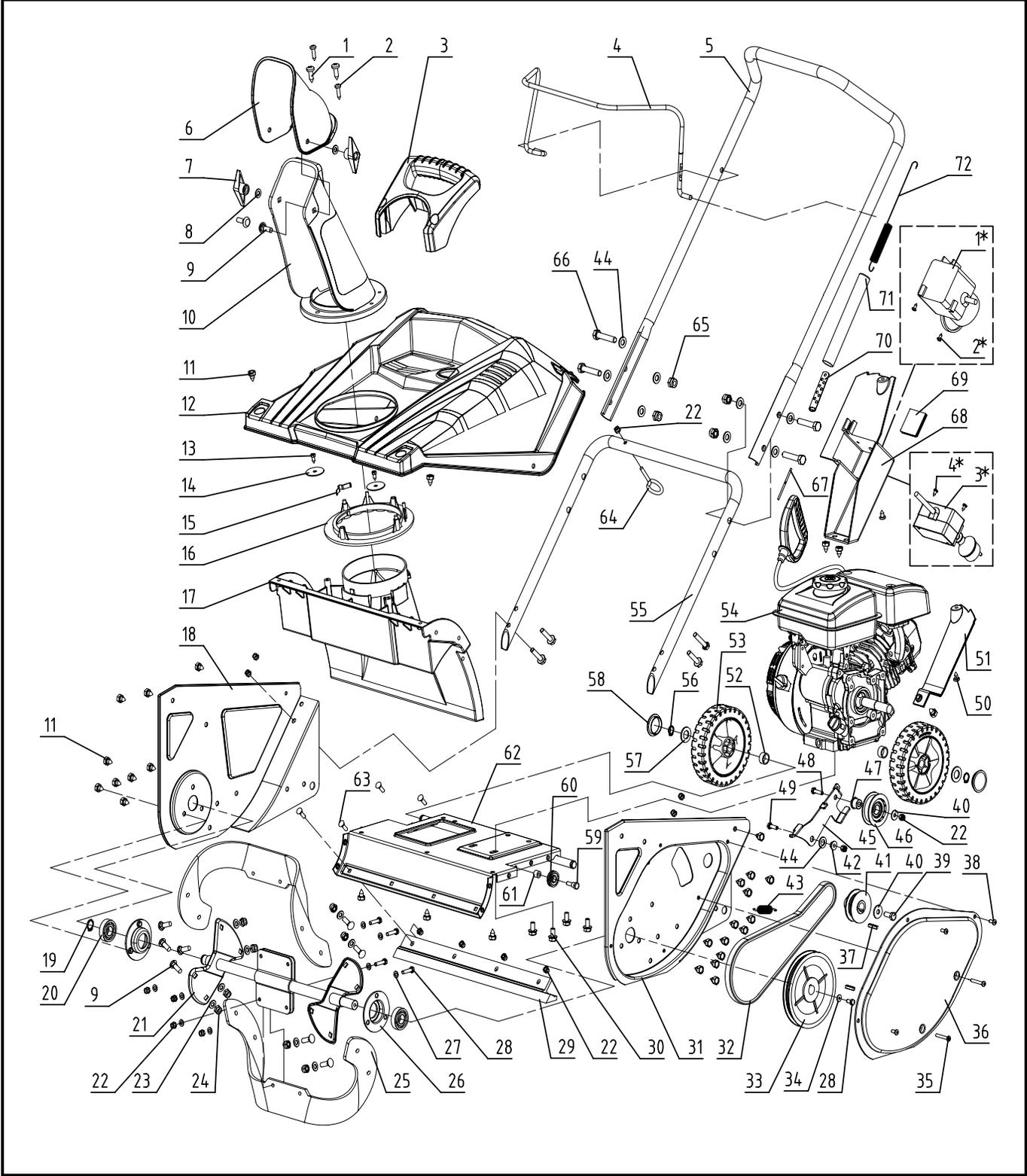
2. Secure the replacement rubber paddles to the auger using the hardware removed earlier.

TROUBLE SHOOTING

Problem	Cause	Remedy
Electric starter does not turn (on models so equipped)	<ol style="list-style-type: none"> 1. Extension cord not connected. 2. The extension cord is worn, corroded, or damaged. 3. The power outlet is not energized. 	<ol style="list-style-type: none"> 1. Connect the extension cord to the outlet and/or the machine. 2. Replace the extension cord. 3. Have a qualified electrician energize the outlet.
Engine fails to start	<ol style="list-style-type: none"> 1. Choke not in CHOKE position. 2. Engine not primed. 3. Engine is flooded. 4. Spark plug wire loose or disconnected. 5. Fuel tank empty or stale fuel. 6. Faulty spark plug. 7. Safety ignition key is not inserted. 8. The engine oil level in the engine crankcase is too low or too high. 	<ol style="list-style-type: none"> 1. Move choke to CHOKE position. 2. Prime engine as instructed in this manual. 3. Wait a few minutes before restarting, do not prime. 4. Connect or tighten spark plug wire. 5. Fill tank with clean, fresh gasoline. 6. Clean, adjust gap, or replace. 7. Insert safety ignition key. 8. Add or drain oil to adjust the oil level in the engine crankcase.
Engine idles or runs roughly	<ol style="list-style-type: none"> 1. Engine running on CHOKE. 2. Fuel tank is nearly empty or stale fuel. 3. Contaminated fuel supply. 4. Carburetor out of adjustment. 5. Engine over-governed. 6. Spark plug wire loose. 7. Faulty spark plug. 8. The engine oil level in the engine crankcase is too low or too high. 	<ol style="list-style-type: none"> 1. Move choke lever to RUN position. 2. Fill tank with clean, fresh gasoline. 3. Replace with clean fuel. 4. Contact a qualified repair personnel. 5. Contact a qualified repair personnel. 6. Tighten spark plug wire. 7. Clean, adjust gap, or replace. 8. Add or drain oil to adjust the oil level in the engine crankcase.
Loss of power	<ol style="list-style-type: none"> 1. Spark plug wire loose. 2. Gas gap vent hole plugged. 3. Dirty or clogged muffler. 	<ol style="list-style-type: none"> 1. Tighten spark plug wire. 2. Clean or replace fuel cap. 3. Clean or replace muffler
The engine overheats	Carburetor not adjusted properly.	Contact a qualified repair personnel.
Excessive vibration	Loose parts or damaged parts.	Tighten all fasteners or replace damaged parts.
Snow thrower fails to self-propel	<ol style="list-style-type: none"> 1. Auger clutch cable out of adjustment. 2. Auger belt loose or damaged. 	<ol style="list-style-type: none"> 1. Adjust auger clutch cable. 2. Replace auger belt.
Auger fails to stop within 5 seconds after auger clutch is released.	Auger clutch cable out of adjustment.	Adjust auger clutch cable.

Problem	Cause	Remedy
Snow thrower fails to discharge snow	<ol style="list-style-type: none"> 1. Discharge chute clogged. 2. Auger jammed. 3. Auger clutch cable not adjusted properly. 4. Auger belt loose or damaged. 5. Auger rubber paddles worn or damaged. 6. Throwing too much snow. 7. Trying to remove extremely heavy or wet snow. 8. Auger is frozen in place. 	<ol style="list-style-type: none"> 1. Unclog discharge chute. 2. Remove debris or foreign object from auger. 3. Adjust auger clutch cable. 4. Replace auger belt. 5. Replace rubber paddles. 6. Reduce width of swath. 7. Do not overload with extremely heavy or wet snow. 8. Move unit to a warm place to thaw.

PARTS SCHEDULE



Pow'R'kraft Brand LIMITED WARRANTY

Unless otherwise stated on purchase invoice, Betst Products, llc. warrants to original Purchaser that Pow'R'kraft products are free from major defects in material under normal use and service for a period of Two (2) Years from the date the product is purchased or shipped whichever date is later. Commercial use 180 days. Use at address that is not yours, is considered commercial use. Consumable, Expendable, Wear Items (Examples: Rubber & plastic parts, hydraulic hoses, belts, tires, cables, blades, tines, wedges, teeth, tips, chains, pins, brushes, filters, etc.) and cracked hydraulic pumps, bent or broken cylinder rods are not covered under this warranty. Warranty does not cover items that have been modified, damaged by abuse or usage not in accordance with design or maintenance.

Betst Products, llc. obligation under this warranty is to repair or replace defective product upon approval by; Betst Products, llc., 83371 Melton Rd. N., Creswell OR 97426 that Warranty Claim is Valid. Product shall be returned upon request of Betst Products, llc. Transportation charges to be prepaid by buyer. **Gasoline or diesel engines used to power Pow'R'Kraft products are covered by the warranty of the appropriate engine manufacture and Purchaser must look to the engine manufacture for all issues relating to engine operation.**

Betst Products, llc. assumes no responsibility for outside labor.

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THIS IS THE SOLE AND ONLY WARRANTY OF POW'R'KRAFT PRODUCTS. NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESSED OR IMPLIED, IN FACT OR BY LAW,

This warranty shall not be interpreted to render Betst Products, llc., or any authorized agent liable for injury or damages of any kind or nature, direct, consequential, or contingent, to person or property.

The sole and only remedy in regard to any defective products shall be the repair or replacement thereof as herein provided. Betst Products, llc., agent(s) of Betst Products, llc. shall not be liable for any consequential, special, incidental or punitive damages resulting from or caused by any such defects.

Betst Products, llc. reserves the right to make improvements in design or changes in specifications at any time, without incurring any obligations to owners of units previously sold.

No one is authorized to alter, modify, or enlarge this warranty nor the exclusions, limitations, and reservation thereof.

Pow'R'kraft 1-877-876-7895 Support@powrkraft.com 12-12-13

WARRANTY VOID IF REGISTRATION IS NOT RECEIVED OR RECORDED ONLINE WITHIN 30 DAYS OF PURCHASE DATE OR SHIP DATE, WHICHEVER IS LATER.

REGISTRATION

Item _____ Model # _____ Purchase Date ____/____/____
Purchased From: _____ Inv#/Order# _____
Owner Name: _____
Owner Address: _____
City: _____ County: _____ ST: _____ Zip Code: _____
Phone: _____ Email: _____

Acceptance of responsibility:

I (Purchaser) have read operators manual and Limited Warranty or someone has read/and explained all instructions to me. I understand this warranty does not cover any labor and that all disputes will be settled by binding arbitration. Binding arbitration is conducted by the Better Business Bureau (BBB) located at 4004 SW Kruse Way Place Ste 375 Lake Oswego OR 97035 or the current BBB location closest to Betst Products, I acknowledge my Limited Warranty is void if any attempt to repair or replace defective parts has been made by unauthorized personnel. I acknowledge receipt of my Operators Manual and have read the Safe Operation Section. I acknowledge understanding maintenance and safe operation requirements, item specifications, operation, controls, and storage requirements. **I understand that I alone am responsible for proper maintenance, care and safe operation of this Pow'R'kraft item.**

I (Purchaser) agree that persons not familiar with the operation of this item should not be allowed to use it. Children especially should not operate or be near Power Products when in use. ANYONE OPERATING POW'R'KRAFT PRODUCTS SHOULD HAVE READ OPERATIONS MANUALS AND SAFETY MANUALS.

Owners Signature: x _____ **Date:** ____/____/____

You must sign this warranty and mail or fax copy to Betst Products, 83371 Melton Rd N.#3, Creswell OR 97426. If you prefer you may complete your registration on line at www.PowRkraft.com. This warranty is not effective unless the Purchaser completes Registration and Warranty Form within 30 days of purchase date or ship date whichever is later.

Fax to 1-904-216-2059

NOTE: We may refuse warranty of any kind unless Betst Product, llc., receives a completed, legible and signed warranty registration. It is the responsibility of the purchaser to assure that registration document is received by Betst Products, llc..

Betst Products / Pow'R'kraft 1-877-876-7895 Support@powrkraft.com

2 YEAR EXTENDED WARRANTY & REGISTRATION

Pow'R'Kraft Branded Products

2 YEAR EXTENDED WARRANTY

2 Year Extended Warranty amends to original Recorded Warranty Registration the time period of described coverage. Extended Warranty does not apply to Consumable and Expendable Items as described in Product Warranty Registration.

This Amendment does not affect any other part of recorded Warranty Registration or Policy.

No one is authorized to alter, modify, or enlarge this Amendment to original recorded warranty registration.

EXTENDED REGISTRATION & PAYMENT MUST BE RECEIVED WITHIN 30 DAYS OF PURCHASE DATE

EXTENDED WARRANTY REGISTRATION

Product & Model # : _____

Serial #: _____ if applicable

Owner Name: _____

Sellers Invoice/Order # _____

Acceptance of responsibility:

I (Purchaser) have Read and understand the Extended Warranty or someone has read/and explained all the above to me. I understand this extended warranty does not cover any labor. I have filed my Original Warranty Registration and fully understand my requirements. **Understand that I alone am responsible for proper maintenance, care and safe operation of this tractor implement.**

I (purchaser) also understand that persons not familiar with the operation of this equipment should not be allowed to use it. Children especially should not operate or be near equipment. ANYONE OPERATING EQUIPMENT SHOULD HAVE READ ALL EQUIPMENT OPERATIONS MANUALS AND SAFETY MANUALS..

Owners Signature: x _____

Date: _____

You must sign this extended warranty and Fax to 1-305-397-1780 or mail copy to Betst Products, 83371 Melton Rd N.#3, Creswell OR 97426. This extended warranty is not effective unless the Purchaser faxes or mails this Registration Form within 30 days of purchase. NOTE: The Manufacturer may refuse warranty of any kind unless Betst Products receives a completed, legible and signed extended warranty registration. It is the responsibility of the purchaser to assure that this registration document is received by Betst Products.

**To determine Payment for Extended Warranty Call: 1-877-876-7895 or visit
www.PowRkraft.com**

**Engine is a made by Loncin and
warranty support is through
www.awsglobal.net. 1-866-393-3968**

Specification subject to change without notice

Please contact us at Support@powrkraft.com or go online to www.PowRkraft.com.

Thank you for allowing us to serve you.

Betst Products Family
83371 Melton RD
Creswell OR 97426

Contact Information:

Telephone: Local 541-895-3083 Toll Free: 1-877-876-7895

Fax Number: 541-895-2756

Efax Number: 904-216-2059

To Place Order: Ext. #312 or #317 E-mail: Sales@PowRkraft.com

Product Support Ext. #311 or #314 E-mail Support@PowRkraft.com