



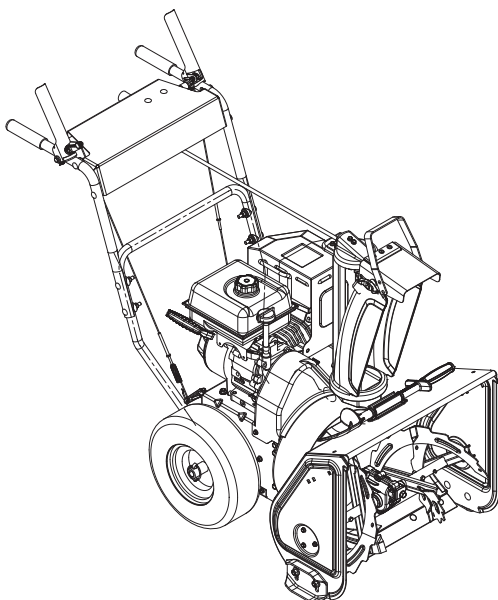
Owner/Operator Manual

Manuel Du Propriétaire/Utilisateur

Models

939400 – Sno-Tek 22R

939401 – Sno-Tek 20R



ENGLISH



FRANÇAIS

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INTRODUCTION

NON-ENGLISH MANUALS



Manuals in languages other than English may be obtained from your dealer. Visit your dealer or www.ariens.com for a list of languages available for your equipment.

Manuals printed in languages other than English are also available as a free download on our website:

<http://www.ariens.com>

MANUALES EN IDIOMAS DIFERENTES DEL INGLES



Puede obtener manuales en idiomas diferentes del inglés en su distribuidor. Visite a su distribuidor o vaya a www.ariens.com para obtener una lista de idiomas disponibles para su equipo.

También puede imprimir manuales en idiomas diferentes del inglés descargándolos gratuitamente de nuestra página Web:

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Manuels non anglais



Des manuels dans différentes langues sont disponibles chez votre revendeur. Rendez-vous chez votre revendeur ou allez sur le site www.ariens.com pour consulter la liste des langues disponibles pour votre équipement.

Les manuels imprimés dans des langues différentes de l'anglais sont également disponibles en téléchargement gratuit sur notre site Web :

<http://www.ariens.com>

THE MANUAL

Before operation of unit, carefully and completely read your manuals. If used improperly, this unit could be dangerous and cause personal injury or property damage.

The contents will provide you with safety instructions for the safe use of your unit during normal operation and maintenance.

All reference to left, right, front, or rear are given from operator standing in operation position and facing the direction of forward travel.

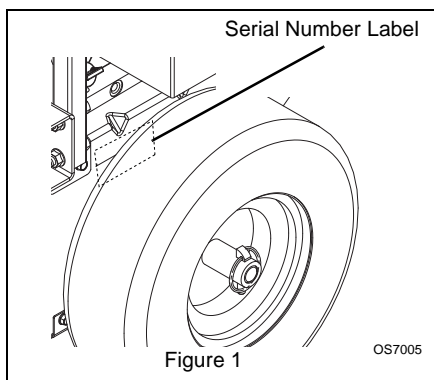
ENGINE MANUAL

The engine on this unit is covered by a separate manual specific to the engine. This manual is included in the literature package that shipped with the unit. Refer to this manual for engine service recommendations. If the engine manual is not available, contact the engine manufacturer for a replacement manual.

MODEL AND SERIAL NUMBERS

When ordering replacement parts or making service inquiries, know the model and serial numbers of your unit and engine.

Numbers are located on the product registration form in the unit literature package. They are printed on a serial number label, located on the frame of your unit.



- Record unit model and serial numbers here.

- Record engine model and serial number here.

PRODUCT REGISTRATION

The Ariens dealer must register the product at the time of purchase. Registering the product will help the company process warranty claims or contact you with the latest service information. All claims meeting requirements during the limited warranty period will be honored, whether or not the product registration card is returned. Keep a proof of purchase if you do not register your unit.

Customer Note: If the dealer does not register your product, please fill out, sign, and return the product registration card to Ariens or go to www.ariens.com.

UNAUTHORIZED REPLACEMENT PARTS

Use only Ariens replacement parts. The replacement of any part on this vehicle with anything other than an Ariens authorized replacement part may adversely affect the performance, durability, or safety of this unit and may void the warranty. Ariens disclaims liability for any claims or damages, whether warranty, property damage, personal injury or death arising out of the use of unauthorized replacement parts. To locate your nearest Ariens dealer, go to www.ariens.com on the internet.

DISCLAIMER

Ariens reserves the right to discontinue, make changes to, and add improvements upon its products at any time without public notice or obligation. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your unit.

DELIVERY

Customer Note: If you have purchased this product without complete assembly and instruction by your retailer, it is your responsibility to:

1. Read and understand all assembly instructions in this manual. If you do not understand or have difficulty following the instructions, contact your nearest Ariens dealer for assistance. Make sure all assembly has been properly completed.

NOTE: To locate your nearest Ariens dealer, go to www.ariens.com on the internet.



WARNING: Improper assembly or adjustments can cause serious injury.

2. Understand all safety precautions provided in the manuals.
3. Review control functions and operation of the unit. Do not operate the Sno-Tek™ unless all controls function as described in this manual.
4. Review recommended lubrication, maintenance and adjustments.
5. Review limited warranty policy.
6. Fill out a product registration card and return the card to the Ariens Company or go to www.ariens.com.

SAFETY



WARNING: To avoid injury to hands and feet, always disengage clutches, shut off engine, and wait for all movement to stop before unclogging or working on snow thrower.

Hand contact with the rotating impeller is the most common cause of injury associated with snow throwers. Never use your hand to clean out the discharge chute.

Keep hands and feet away from auger and impeller.

SAFETY ALERTS



Look for these symbols to point out important safety precautions. They mean:

Attention!



Personal Safety Is Involved!

Become Alert!

Obey The Message!

The safety alert symbols above and signal words below are used on decals and in this manual. Read and understand all safety messages.



DANGER: IMMINENTLY HAZARDOUS SITUATION! If not avoided, WILL RESULT in death or serious injury.



WARNING: POTENTIALLY HAZARDOUS SITUATION! If not avoided, COULD RESULT in death or serious injury.



CAUTION: POTENTIALLY HAZARDOUS SITUATION! If not avoided, MAY RESULT in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTATIONS

NOTE: General reference information for proper operation and maintenance practices.

IMPORTANT: Specific procedures or information required to prevent damage to unit or attachment.

PRACTICES AND LAWS

Practice usual and customary safe working precautions, for the benefit of yourself and others. Understand and follow all safety messages. Be alert to unsafe conditions and the possibility of minor, moderate, or serious injury or death. Learn applicable rules and laws in your area. Always follow the practices set forth in this manual.

REQUIRED OPERATOR TRAINING

Original purchaser of this unit was instructed by the seller on safe and proper operation. If unit is to be used by someone other than original purchaser; loaned, rented or sold, ALWAYS provide this manual and any needed safety training before operation.

SAFETY DECALS AND LOCATIONS

ALWAYS replace missing or damaged safety decals. Refer to figure below for safety decal locations.

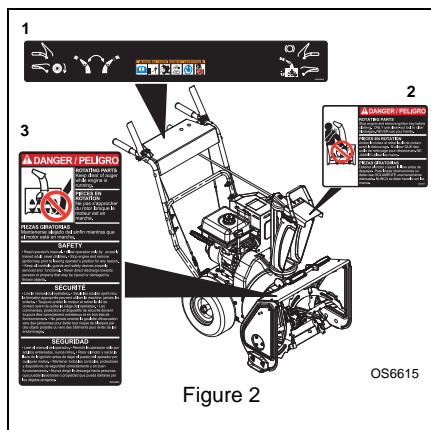


Figure 2

OS6615

1. WARNING!



OL1801

Read owner/operator manual.



OL4370

Keep people away from unit while operating. Keep children out of work area and under watchful care of a responsible adult.



OL0910

Never direct discharge towards persons or property that may be injured or damaged by thrown objects.



OL4010

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



OL4690

Wear appropriate hearing protection.



ONLY use clean-out tool to clear blockages. NEVER use your hands.

2. DANGER!



OS6610

ROTATING PARTS! ONLY use clean-out tool to clear blockages. NEVER use your hands. **High speed impeller rotates below discharge opening. Wait for all moving parts to stop before removing clogs or servicing.**

3. DANGER!



OS2080

ROTATING PARTS. Keep clear of auger while engine is running.

- Read operator's manual.
- Allow operation only by properly trained adult, never children.
- Stop engine and remove ignition key prior to leaving the operator's position for any reason.
- Keep all controls, guards and safety devices properly serviced and functional.
- Never direct discharge towards persons or property that may be injured or damaged by thrown objects.

EMISSION CONTROL SYSTEM

This equipment and/or its engine may include exhaust and evaporative emissions control system components required to meet U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) regulations. Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by an Ariens Company dealer or an authorized engine manufacturer's service center. Contact your Ariens Company Equipment Retailer concerning emission controls and component questions.

SAFETY RULES

Read, understand, and follow all safety practices in owner/operator manual before beginning assembly or operating. Failure to follow instructions could result in personal injury and/or damage to unit.

ALWAYS remove key and/or wire from spark plug before assembly, maintenance or service. Unintentional engine start up can cause death or serious injury.

Complete a walk around inspection of unit and work area to understand:

- Work area
- Your unit
- All safety decals

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

Keep children and people away. Keep children out of work area and under watchful care of a responsible adult.

NEVER allow children to operate or play on or near unit. Be alert and shut off unit if children enter area.

DO NOT allow adults to operate unit without proper training. Only trained adults may operate unit. Training includes actual operation.

Keep area of operation clear of all toys, pets, and debris. Thrown objects can cause injury.

Check for weak spots on docks, ramps or floors. Avoid uneven work areas and rough terrain. Stay alert for hidden hazards.

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

Falling snow, fog, etc. can reduce vision and cause an accident. Operate unit only when there is good visibility and light.

NEVER operate unit after or during the use of medication, drugs or alcohol. Safe operation requires your complete and unimpaired attention at all times.

NEVER allow anyone to operate this unit when their alertness or coordination is impaired.

DO NOT operate unit without wearing adequate winter outer garments. Wear adequate safety gear, including safety glasses with side shields, and protective gloves. Wear proper footwear to improve footing on slippery surfaces.

DO NOT wear loose clothing or jewelry and tie back hair that may get caught in rotating parts.

Protect eyes, face and head from objects that may be thrown from unit. Wear appropriate hearing protection.

Avoid sharp edges. Sharp edges can cut. Moving parts can cut off fingers or a hand.

ALWAYS keep hands and feet away from all rotating parts during operation. Rotating parts can cut off body parts.

NEVER place your hands or any part of your body or clothing inside or near any moving part while unit is running.

ALWAYS keep hands away from all pinch points.

DO NOT touch unit parts which might be hot from operation. Allow parts to cool before attempting to maintain, adjust or service.

Never direct discharge towards persons or property that may be injured or damaged by thrown objects. Use extreme caution on gravel surfaces. Stay alert for hidden hazards or traffic. Adjust skid shoes so scraper blade does not contact gravel.

DO NOT throw snow any higher than necessary.

Deflected materials can cause injury and property damage.

Always stand clear of the discharge area when operating this unit.

Fumes from engine exhaust can cause injury or death. DO NOT run engine in an enclosed area. Always provide good ventilation.

ALWAYS disengage attachment, stop unit and engine, remove key and allow moving parts to stop before leaving operator's position.

ROTATING IMPELLER CAN CAUSE SERIOUS INJURY. NEVER ATTEMPT TO UNCLOG OR CLEAN UNIT WHILE ENGINE IS RUNNING.

Read, understand, and follow all instructions in the manual and on the machine before starting.

Understand:

- How to operate all controls.
- The functions of all controls.
- How to STOP in an emergency.

Before starting engine, disengage control(s).

ALWAYS allow unit and engine to adjust to outdoor temperatures before clearing snow.

Always be sure of your footing, especially when operating in reverse or leaving the operator's position. Walk, never run during operation.

DO NOT overload the machine capacity by attempting to operate or to clear snow at too fast a rate.

Slow down and turn corners slowly.

Do not operate in reverse unless absolutely necessary. ALWAYS back up slowly. Always look down and behind before and while backing.

Disengage attachment drive when traveling from one work area to another.

Abnormal vibrations are a warning of trouble. Striking a foreign object can damage unit. Immediately stop unit and engine. Remove key and wait for all moving parts to stop. Remove wire from spark plug. Inspect unit and make any necessary repairs before restart.

Before cleaning, removing clogs or making any inspections, repairs, etc.: disengage clutch(es), stop unit and engine, remove key, allow moving parts to stop. Allow hot parts to cool.

Run unit a few minutes after clearing snow to prevent freeze-up of attachment.

Disengage attachment when not in use.

Disengage all clutches before starting engine.

Adjust skid shoes to clear gravel or crushed rock surfaces safely.

Never leave a running unit unattended.

ALWAYS shut off engine before leaving unit.

ALWAYS remove key to prevent unauthorized use.

Never carry passengers.

Check clutch and brake operation frequently.

Adjust and service as required. All motion of drive wheels and auger/impeller must stop quickly when control levers are released.

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.

DO NOT park unit on a slope unless absolutely necessary. When parking on a slope always block the wheels.

ALWAYS shut off engine, remove key, and close fuel shut-off valve or drain fuel when transporting unit on a truck or trailer.

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.

DO NOT transport machine while engine is running.

Keep unit free of ice or other debris. Clean up oil or fuel spills.

This product is equipped with an internal combustion type engine. DO NOT use unit on or near any unimproved, forest-covered or brush covered land unless exhaust system is equipped with a spark arrester meeting applicable local, state or federal laws. A spark arrester, if it is used, must be maintained in effective working order by operator.

Fuel is highly flammable and its vapors are explosive. Handle with care. Use only an approved gasoline container with an appropriately sized dispensing spout.

NO smoking, NO sparks, NO flames.

ALWAYS allow engine to cool before servicing.

NEVER fill fuel tank when engine is running or hot from operation.

NEVER fill or drain fuel tank indoors.

Replace fuel cap securely and clean up spilled fuel.

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.

When practical, remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.

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

If fuel is spilled on clothing, change clothing immediately.

Before tipping unit up onto housing, remove fuel so no spills will occur. Ensure unit is secure and will not tip over during maintenance.

ALWAYS keep protective structures, guards, and panels in good repair, in place and securely fastened. NEVER modify or remove safety devices.

DO NOT change engine governor settings or over-speed engine.

Fumes from engine exhaust can cause injury or death. DO NOT run engine in an enclosed area. Always provide good ventilation.

ALWAYS maintain unit in safe operating condition. Damaged or worn out muffler can cause fire or explosion.

Keep all hardware properly tightened. Check shear bolts frequently.

Maintain or replace safety and instruction labels, as necessary.

NEVER store unit with fuel in fuel tank, inside a building where any ignition sources are present such as hot water heaters, space heaters, or clothes dryers. Allow the engine to cool before storing in any enclosure.

Shut off fuel and allow engine to cool completely before storing in closed area or covering unit.

For extended storage, clean unit thoroughly. See engine manual for proper storage. Use only attachments or accessories designed for your unit.

Check components frequently. If worn or damaged, replace with manufacturer's recommended parts.

ASSEMBLY

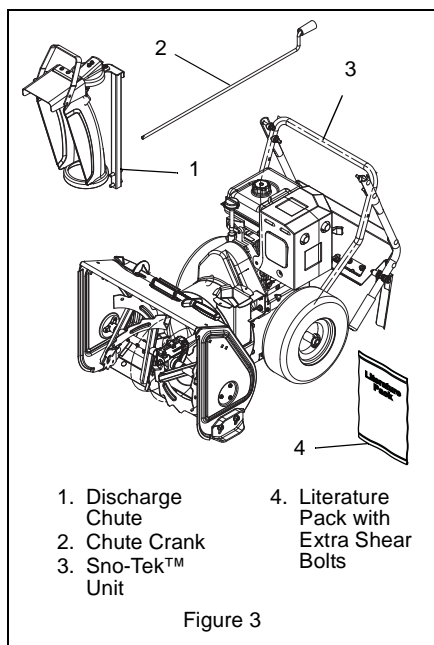


WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.



WARNING: Dropping or tipping over boxed unit could result in personal injury or damage to unit.

PACKAGE CONTENTS

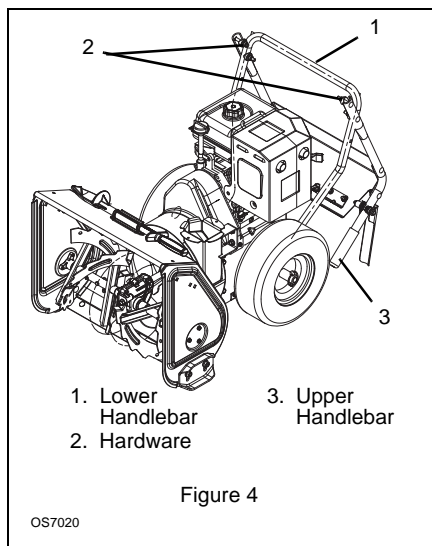


Unfold Handlebar (Figure 4)

1. Remove the lower and loosen the upper hardware on the handlebar assembly.
2. Rotate the handlebars into operating position.

NOTE: Be careful not to damage the cable spring hooks when rotating handlebars upward.

3. Install and tighten the hardware on the handlebar assembly.



ASSEMBLY

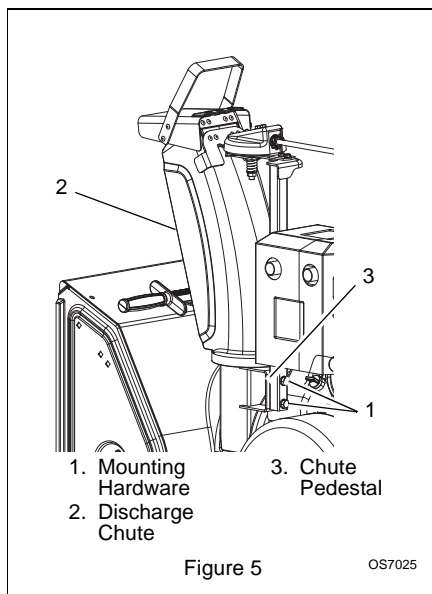
Tools Required:

- Pliers
- Open-end wrenches: 3/8, 7/16, 1/2, 9/16 in. and/or adjustable wrench
- Tire gauge

Install Discharge Chute

(Figure 5)

1. Remove mounting hardware from the bottom of the chute pedestal.
2. Install discharge chute over opening in the auger housing and secure pedestal to auger housing with hardware removed in step 1.



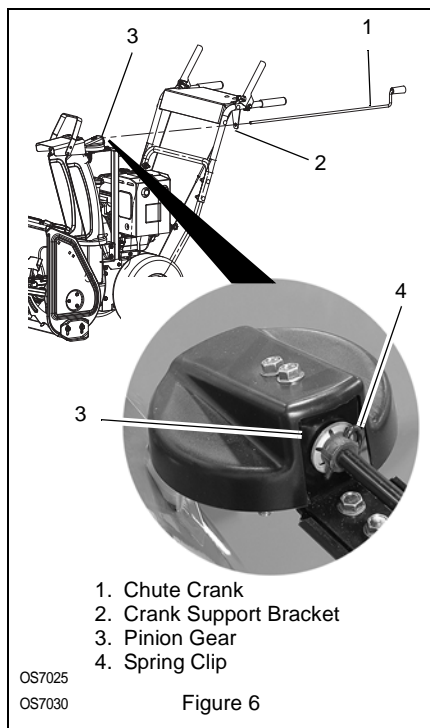
Install Discharge Chute Crank

(Figure 6)

1. Slide chute crank through crank support bracket.

NOTE: Be careful not to damage the nylon bushing when sliding crank through bracket.

2. Connect the chute crank to the pinion gear on chute with spring clip pin.



Check Tire Pressure

Check tire pressure and adjust to the pressure listed on tire sidewall.



CAUTION: Avoid injury!

Explosive separation of tire and rim parts is possible when they are serviced incorrectly:

- Do not attempt to mount a tire without the proper equipment and experience to perform the job.
- Do not inflate the tires above the recommended pressure.
- Do not weld or heat a wheel and tire assembly. Heat can cause an increase in air pressure resulting in an explosion. Welding can structurally weaken or deform the wheel.
- Do not stand in front or over the tire assembly when inflating. Use a clip-on chuck and extension hose long enough to allow you to stand to one side.

Check Auger Gearcase Oil

Check oil level in auger gearcase (see *Check Auger Gearcase* on page 17).

Check Engine Crankcase Oil

IMPORTANT: The engine is shipped with 5W-30 oil in crankcase. Refer to engine manual for detailed instructions.

Fill Engine Fuel Tank

Refer to engine manual for proper fuel type and tank capacity.

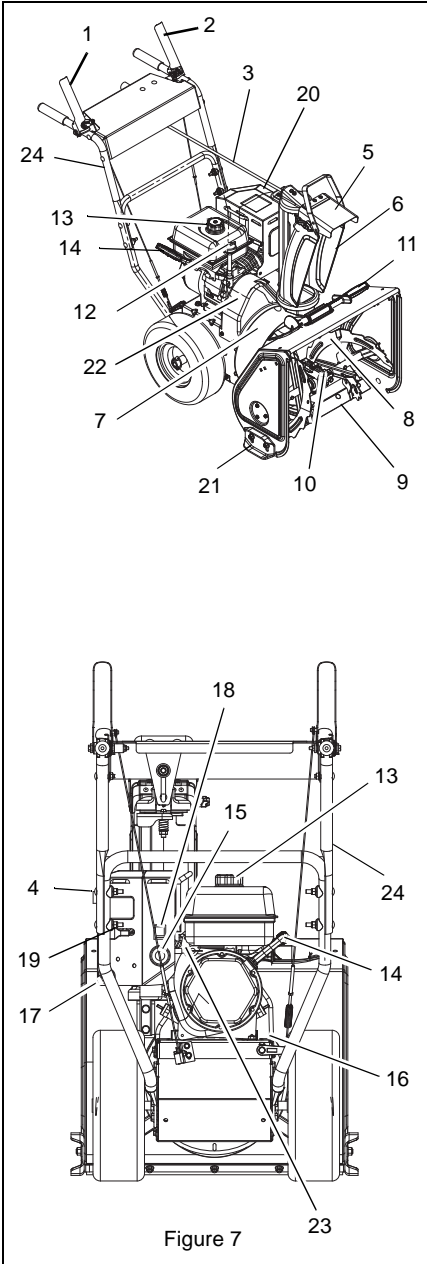
Check Function of all Controls

Ensure unit runs and performs properly. Refer to *Operation*.

Run-in Attachment Belt

1. Start unit in a well-ventilated area according to *Starting and Shut Off* on page 14.
2. Engage attachment clutch lever and run attachment for about 15 minutes.
3. Stop unit, wait for all moving parts to stop, and remove spark plug wire.
4. Adjust belt fingers, if necessary. See *Attachment Drive Belt Replacement* on page 22.
5. Adjust clutch according to *Attachment Clutch/Brake Adjustment* on page 19.

CONTROLS AND FEATURES



1. Attachment Clutch Lever
2. Traction Drive Clutch Lever
3. Chute Crank
4. Muffler Guard
5. Discharge Chute Deflector
6. Discharge Chute
7. Impeller
8. Auger
9. Scraper Blade
10. Auger Gearcase
11. Clean-out Tool
12. Oil Fill and Dipstick
13. Gas Tank and Cap
14. Recoil Starter Handle
15. Primer Bulb
16. Oil Drain Plug
17. Ignition Switch (push-pull)
18. Engine Shutoff Switch
19. Choke
20. Spark Plug and Wire
21. Skid Shoes
22. Belt Cover
23. Fuel Shut-Off Valve
24. Handlebar

OPERATION



WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.



WARNING: To avoid injury to hands and feet, always disengage clutches, shut off engine, and wait for all movement to stop before unclogging or working on snow thrower.

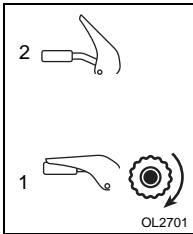
Keep hands and feet away from auger and impeller.

CONTROLS AND FEATURES

See *CONTROLS AND FEATURES* on page 11 for all control and feature locations.

Traction Drive Clutch - Left Hand Lever

IMPORTANT: Do not "feather" the traction drive clutch to control speed or run the unit with the traction drive clutch partially engaged. Continued use with the traction drive clutch partially engaged will damage the transmission.

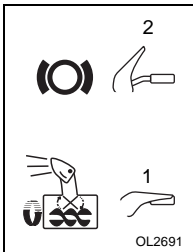


Squeeze the traction drive clutch lever against the handlebar (1) to engage wheel drive for propelling unit. Forward speed will vary according to snow depth and moisture content.

Release lever (2) to stop movement.

NOTE: When traveling to or from the area to be cleared, press down on the handlebars enough to raise the front of the unit slightly off the surface, disengage traction drive clutch and push unit to new work area.

Attachment Clutch - Right Hand Lever



Squeeze attachment clutch lever against handlebar (1) to engage attachment. Release both clutch levers (2) to disengage power and apply brake to attachment.

IMPORTANT: If the belt squeals when the attachment clutch lever is engaged, the impeller may be frozen in the auger housing. Immediately release the attachment clutch lever and move the unit into a heated area to thaw.

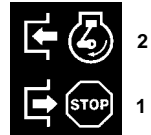
NOTE: If belt squeals when impeller turns freely, see *Attachment Clutch/Brake Adjustment* on page 19.

Ignition Switch (Push/Pull Safety Key)

Key Switch has two positions:

1. "Stop" - pulled out
2. "Run" - pushed in

NOTE: DO NOT twist key after it is inserted.



Engine Shutoff Switch

1. Set the engine shutoff switch to the "Run" position to start and operate the engine.
2. Set the engine shutoff switch to the "Stop" position to shut off a running engine.

Primer Bulb

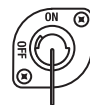


Pushing the primer bulb in adds fuel for easier engine start. Refer to *Starting and Shut Off* on page 14.

Fuel Shut-Off Valve

IMPORTANT: The fuel shut-off valve **MUST** be in the closed position prior to transporting the unit.

The fuel shut-off valve has two positions:



Open Position: Use this position to run the unit.



Closed Position: Use this position to service, transport, or store the unit.

Figure 8

OS8215

Choke Control



1. Choke Closed position: chokes off air to engine for easier start.
2. Choke Open position: allows for normal operation.

IMPORTANT: Gradually open choke after engine starts.

Recoil Starter Handle

When pulled, handle will turn engine over. See *Starting and Shut Off* on page 14.

IMPORTANT: DO NOT let handle snap back against starter.

Snow Clean-Out Tool (Figure 9)



WARNING: Hand contact with the rotating impeller is the most common cause of injury associated with snow throwers. Never use your hand to clean out the discharge chute.

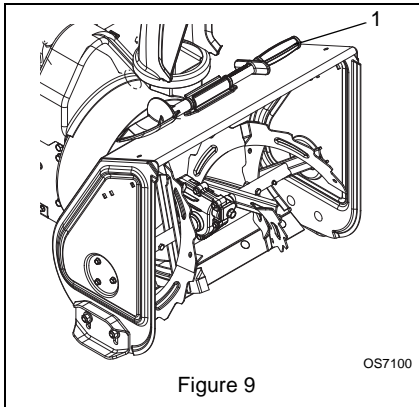


Figure 9

To clear the discharge chute:

1. Shut off the engine.
2. Wait 10 seconds and make sure impeller blades have stopped rotating.
3. Remove the snow clean-out tool (1) from the auger housing and use it to remove the clog from the discharge chute.
4. Replace the snow clean-out tool on the auger housing.

Discharge Chute Deflector

ALWAYS position discharge chute deflector at a safe angle before starting engine.

DO NOT throw snow any higher than necessary.

Push deflector handle forward or down to throw snow lower. Pull deflector handle up or to the rear to throw snow higher.

IMPORTANT: If chute deflector does not stay in set position, adjust as directed in *Discharge Chute Deflector* on page 19, or repair before operation.

Discharge Chute

Discharge chute rotates 205°.

ALWAYS position discharge chute in safe direction and angle, away from operator and bystanders, before starting engine.

Chute Crank

IMPORTANT: If chute does not stay in set position, adjust as directed in *Discharge Chute* on page 19, or repair before operation.

Rotate the chute with discharge chute crank.

IMPORTANT: DO NOT force frozen chute controls. If still frozen, take to warm place until controls are free.

Scraper Blade

The scraper blade allows better contact with the surface being cleared. It also prevents damage to the housing from normal usage.

IMPORTANT: DO NOT allow scraper blade to wear too far or auger/impeller housing will become damaged.

Skid Shoes

The skid shoes control the distance between the scraper blade and the ground. Adjust skid shoes equally to keep blade level with the ground. Refer to *Pre-Start* on page 14 for recommended settings.

FILLING FUEL TANK



WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.

GASOLINE

Fuel Recommendations

Use unleaded gasoline with a pump octane rating of 86 or higher. These engines operate best on unleaded gasoline.



CAUTION: Do NOT use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank. Use only proper fuel containers that are properly marked.



CAUTION: DO NOT use E85 blended fuels. This engine is not E20/E30/E85 compatible.

Maximum recommended ethanol content: 10%

Adding a Fuel Stabilizer to Extend Fuel Storage Life

NOTE: Fuel stabilizer is recommended for long term storage.

1. Turn the fuel valve off while engine is running and allow the engine to run until it stops. Turn engine OFF when it begins surging to avoid engine damage.
2. Add fuel stabilizer, following the manufacturer's instructions.
3. Turn fuel valve on after adding fuel stabilizer.
4. Re-start engine.
5. Run the engine outdoors for 1 minute to be sure that treated gasoline has replaced the untreated gasoline in the carburetor.
6. Slow the engine to an idle speed.
7. Repeat step 1 above.

To add fuel to fuel tank:

1. ALWAYS place unit in open or well-ventilated area.
2. Stop engine and allow to cool.
3. Clean fuel cap and surrounding area to prevent dirt from entering fuel tank.
4. Remove cap.

IMPORTANT: See engine manual for correct type and grade of fuel.

5. Fill fuel tank up to indicator in filler neck strainer with unleaded gasoline.
6. Replace fuel cap and tighten.
7. ALWAYS clean up any spilled fuel.

PRE-START

1. Frozen Impeller

IMPORTANT: Before starting engine, check impeller to be sure it is not frozen.

To check impeller:

1. With ignition key switch in "Stop" position, squeeze attachment clutch lever to engaged position.
2. Pull recoil starter handle.
3. If impeller is frozen, (cannot pull starter handle) move unit to a heated area and thaw to prevent possible damage.

2. Check Function of Clutches

If clutches do not engage or disengage properly, adjust or repair before operation (see *Check Clutch Operation* on page 16).

3. Check Skid Shoes

Check and adjust skid shoes (see *Skid Shoes* on page 18). Allow 1/8 in. (3 mm) between scraper blade and hard, smooth surface(s). Allow 1-1/4 in. (30 mm) between scraper blade and uneven or gravel surfaces.

4. Check Engine Fuel & Crankcase Oil



WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.

Check and add fuel if required. Check that the engine crankcase oil is full using dipstick. Refer to engine manual for detailed instructions.

TO STOP IN AN EMERGENCY

Immediately release both control levers to stop unit in an emergency. Stop engine, remove key and wait for all rotating parts to stop before leaving operator's position.

STARTING AND SHUT OFF



WARNING: FAILURE TO FOLLOW INSTRUCTIONS could result in personal injury and/or damage to unit. DO NOT attempt to start your unit at this time. Read entire owner/operator manual and the engine manual first.

IMPORTANT: Allow unit and engine to adjust to the outdoor temperature before clearing snow. Before shut-off, run the attachment a few minutes to prevent impeller freeze-up.

NOTE: Try out each control without the engine running to see how it works and what it does.

Manual Start

1. Turn discharge chute straight ahead.
2. Make sure that the traction clutch and attachment drive clutch levers are fully disengaged.
3. Push primer bulb 2 or 3 times for cold engine.

NOTE: When temperature is below -15° F (-26° C) additional priming may be needed.

4. If engine is cold, apply choke. See engine manual for detailed instructions.

NOTE: A warm engine requires less choking than a cold engine.

5. Insert key into ignition switch and push into RUN position. DO NOT twist key after it is inserted.
6. Turn on engine shutoff switch (Run).
7. Grasp starter handle and pull rope out slowly until it pulls harder. Let rope rewind slowly.
8. Pull rope with a rapid continuous full arm stroke. Let rope rewind slowly.

IMPORTANT: DO NOT let starter handle snap against starter.

9. Repeat steps 7 and 8 until engine starts. (If engine does not start, refer to *TROUBLESHOOTING* on page 26.)

10. Adjust choke as needed.

Shut Off

1. Release traction drive clutch lever and allow unit to come to a complete stop.
2. Run impeller a few minutes after use to prevent freeze-up of impeller.
3. Release attachment clutch lever and wait for all moving parts to come to a complete stop.
4. Turn off the engine shutoff switch (Stop).
5. Remove key.

SNOW REMOVAL

IMPORTANT: Allow unit and engine to adjust to the outdoor temperature before clearing snow.

IMPORTANT: Do not "feather" the traction drive clutch to control speed or run the unit with the traction drive clutch partially engaged. Continued use with the traction drive clutch partially engaged will damage the transmission.

NOTE: Attachment clutch should be engaged before wheel drive clutch when throwing snow.

1. Engage attachment clutch - right hand lever.
2. Engage traction drive clutch - left hand lever.

IMPORTANT: DO NOT overload unit capacity by attempting to clear snow at too fast a rate. Use slow speed to clear deep or hard packed snow.

Tips for Operation

Snow is best removed as soon as possible after snow fall.

To clear an area, run unit in an overlapping series of paths. For large areas, start in the middle and throw snow to each side, so snow is not cleared more than once.

ALWAYS direct snow away from area to be cleared and with direction of the wind.

TRAVELING

To travel from one work area to another:

1. Press down on handlebars enough to raise front of unit slightly off surface.
2. Disengage traction drive clutch and push unit to new work area.

TRANSPORT

ALWAYS shut off engine, remove key, and close fuel shut-off valve when transporting unit on a truck or trailer.

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.

DO NOT transport machine while engine is running.

MAINTENANCE

Ariens dealers will provide any service or adjustments which may be required to keep your unit operating at peak efficiency. Should engine service be required, contact an Ariens dealer or an authorized engine manufacturer's service center.



WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.

SERVICE POSITION



WARNING: Before tipping unit up onto housing, remove fuel so no spills will occur. Ensure unit is secure and will not tip over during maintenance.

Place unit on a flat level surface. Tip unit forward onto front of auger housing for service. Ensure unit is secure and will not tip over. Strap and clamp onto bench if needed.

Service Position

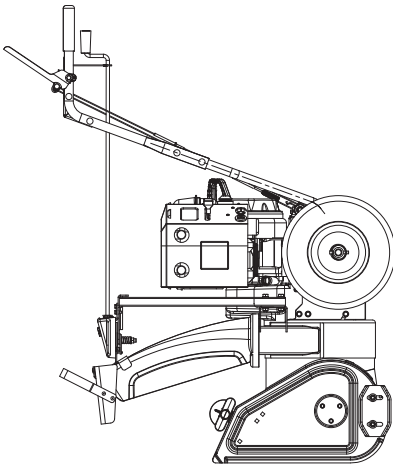


Figure 10

MAINTENANCE SCHEDULE

The chart below shows the recommended maintenance schedule that should be performed on a regular basis. More frequent service may be required.

MAINTENANCE SCHEDULE

Service Performed	Each Use	Every 5 hrs.	Every 25 hrs.	Yearly
Check Fasteners	•			
Check Clutch Operation	•			
Check Clutch Spring Adjustments		*	•	
Clean Engine	•			
Check Engine Oil		•		
Change Engine Oil		**	•	
Check Tire Pressure			•	
Check Auger Gearcase			•	•
General Lubrication			•	•

* After first five hours of operation.

** After first two hours of operation.

CHECK FASTENERS

Make sure all hardware is tightened properly.

CHECK CLUTCH OPERATION

Auger/impeller must stop within 5 seconds when attachment clutch/impeller brake lever is released.

Wheels must stop quickly when traction drive clutch lever is released.

If clutches do not engage or disengage properly, adjust or repair before operation (see *Attachment Clutch/Brake Adjustment* on page 19 or *Traction Drive Clutch Adjustment* on page 21).

CHECK CLUTCH SPRING ADJUSTMENT

Make sure the attachment clutch and traction drive clutch are adjusted to the range specified in *Attachment Clutch/Brake Adjustment* on page 19 or *Traction Drive Clutch Adjustment* on page 21.

CLEAN ENGINE

Refer to engine manual for detailed instructions.

CHECK ENGINE OIL

The engine crankcase oil should be checked every 5 hours of operation. Oil level **MUST** be maintained in safe operating range on dipstick at all times or engine damage will result (See engine manual).

Park unit on a level surface. Refer to engine manual for detailed instructions.

CHANGE ENGINE OIL

Change oil after first 2 hours of operation, thereafter change oil every 25 hours (more often if required). Refer to engine manual for detailed instructions.

Run engine just prior to changing oil. Warm oil will flow more freely and carry away more contamination. Remove the oil drain plug from the side of the unit and tip the unit to help drain all the oil.

CHECK TIRE PRESSURE

Keep tires at pressure listed on the tire sidewall. See *Check Tire Pressure* on page 10.

CHECK AUGER GEARCASE

IMPORTANT: Proper oil level must be maintained.

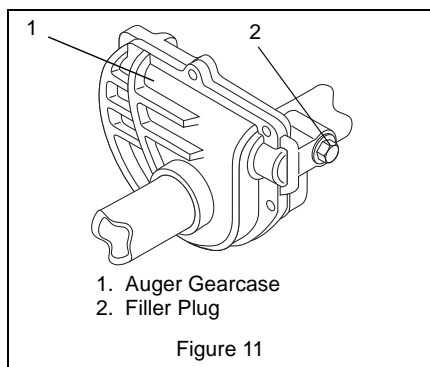
Gear cases are filled to the correct level at the factory. Unless there is evidence of leakage, no additional lubricant should be required. Check oil level each season or every 25 hours of operation.

To ensure adequate lubricant level:

1. Remove filler plug (Figure 11). Lubricant must be at least up to bottom of lubricant filler hole with unit resting on a level surface.
2. Add lubricant if required. Allow oil to drain to level of plug and replace plug.

IMPORTANT: Use only Ariens L-3 synthetic severe-duty gear lube (Part Number 00068800).

NOTE: Gearcase filler plug may require an application of Loc-Tite® 565 thread sealant with repeated servicing. If Loc-Tite® 565 is not available, use PTFE pipe sealing tape on the filler plug.



GENERAL LUBRICATION

IMPORTANT: Wipe each fitting clean before and after lubrication. Do not wipe gearcase filler plug; wiping the gearcase filler plug may remove thread sealant and cause leaks.

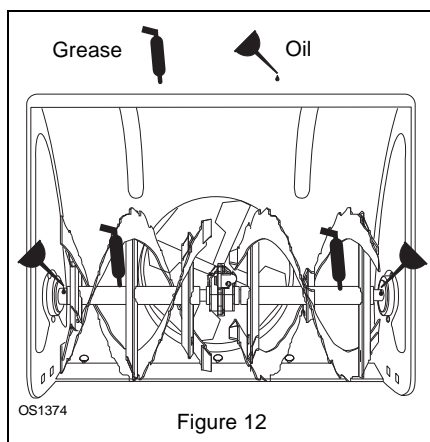
IMPORTANT: DO NOT allow grease or oil to get on the belts.

NOTE: Apply Ariens Hi-Temp Grease or equivalent to the lubrication fittings. See *SERVICE PARTS* on page 25.

Unit should be lubricated at beginning of season or every 25 operating hours.

Auger Shaft

To grease auger shaft, remove shear bolt nuts and shear bolts per instructions in *Shear Bolts* on page 18. Apply grease at the grease zerks and then turn the auger assemblies on the auger shaft (Figure 12). Replace shear bolts.



Axle Shaft

Grease the axle gear and oil the axle bushings (Figure 13).

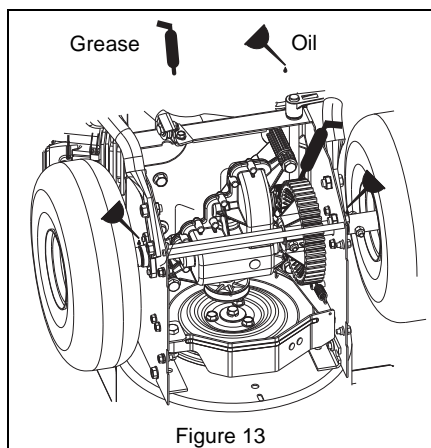


Figure 13

SERVICE AND ADJUSTMENTS



WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.

SCRAPER BLADE

IMPORTANT: Damage to auger/impeller housing will result if blade wears down too far.

Scraper blade is adjustable to compensate for wear.

To adjust scraper blade:

1. Tip unit back onto handlebar, support housing and loosen nuts retaining blade.
2. Adjust skid shoes to fully raised position (housing closest to ground).
3. Reposition scraper blade flush with skid shoes and tighten lock nuts.

SKID SHOES

Skid shoes should be adjusted as conditions require (Figure 14).

1. Position unit on a hard, flat, smooth level surface.
2. Adjust skid shoes by inserting a spacer of desired thickness under center of scraper blade, loosen skid shoe hardware, slide skid shoes to flat surface. Allow 1/8 in. (3 mm) between scraper blade and hard smooth surfaces. Allow 1-1/4 in. (30 mm) between scraper blade and uneven or gravel surfaces. Retighten hardware.

NOTE: Keep housing level by adjusting skid shoes equally.

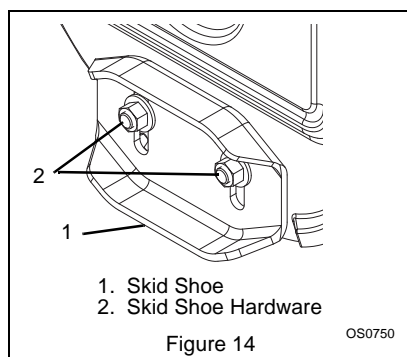


Figure 14

OS0750

SHEAR BOLTS

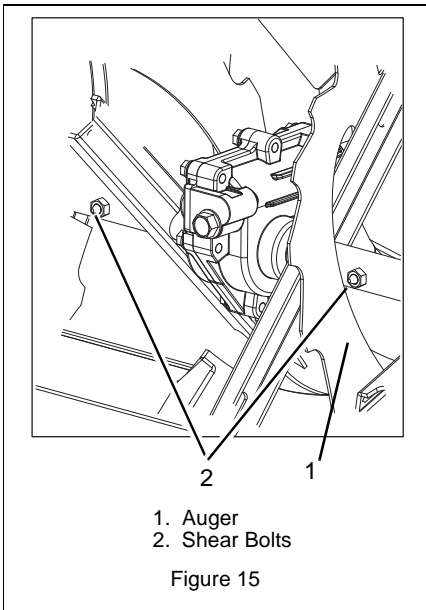
IMPORTANT: Use only Ariens shear bolts for replacement. Use of any other type of shear bolt may result in severe damage to unit.

Occasionally a foreign object may enter the auger/impeller housing and jam the auger, breaking shear bolts which secure the auger to the shaft (Figure 15). This allows auger to turn freely on the shaft which may help prevent damage to gear case and its components.

For Replacement:

1. Align shear bolt holes in auger with shear bolt holes in the shaft.
2. Drive shear bolt through hole (if shear bolt was broken this will drive remaining part from shaft).
3. Secure shear bolt with nut.

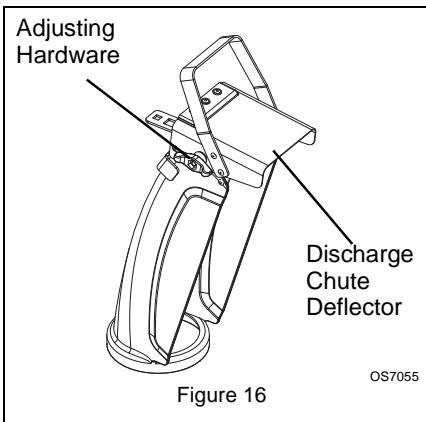
NOTE: DO NOT overtighten the shear bolt. Tighten shear bolt to 5.8 – 12.2 lbf-ft (7.9 – 16.5 N•m).



DISCHARGE CHUTE DEFLECTOR

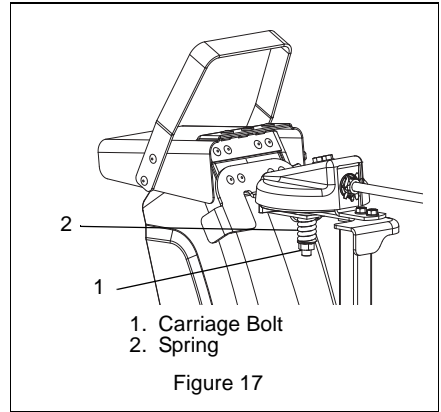
Deflector must stay in selected position while throwing snow.

To adjust, loosen then retighten the wing knob to desired tension (Figure 16).



DISCHARGE CHUTE

If chute does not stay in position while operating, tighten nut on carriage bolt at pivot point to increase tension on spring (Figure 17).



ATTACHMENT CLUTCH/BRAKE ADJUSTMENT



WARNING: IMPROPER ADJUSTMENT could result in unexpected movement of auger and impeller causing death or serious injury. **AUGER / IMPELLER MUST STOP** within 5 seconds when attachment clutch/impeller brake lever is released.



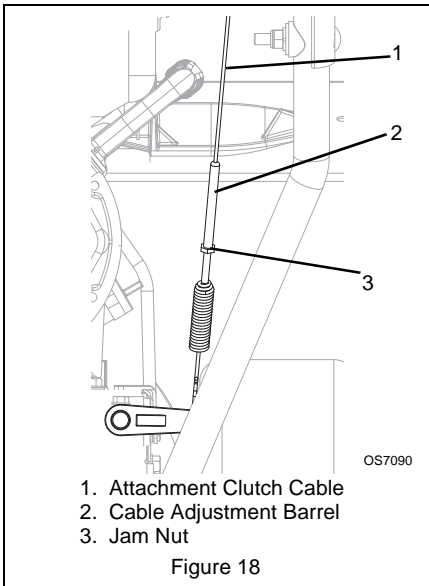
WARNING: Adjustment procedure requires the engine to be run with the belt cover off. **AVOID INJURY.** Read and understand the entire *Safety* section before proceeding.

Remove Attachment Cable Slack

1. Shut off engine, remove key, disconnect spark plug wire and allow unit to cool completely.
2. Loosen hardware securing belt cover to unit.

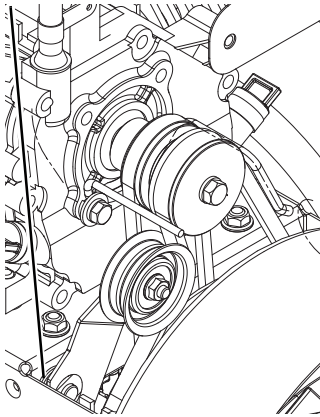
NOTE: DO NOT completely remove the hardware from unit.

3. Remove belt cover.
4. Loosen jam nut on cable adjustment barrel, and then turn the adjustment barrel down to shorten cable and remove all cable slack. See Figure 18.



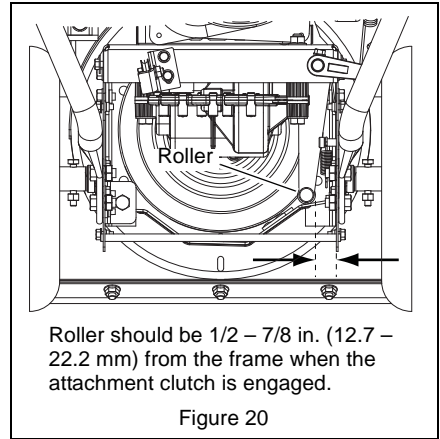
5. With the attachment clutch disengaged, check that the attachment idler arm lightly touches the frame. See Figure 19.
6. Tighten jam nut on cable adjustment barrel.

With the attachment clutch disengaged, check the attachment idler arm position here. The attachment idler arm should lightly touch the frame.



Check Attachment Idler Arm Roller Clearance

1. Place the unit into the service position. Remove the bottom cover.
2. With the clutch lever engaged, check the clearance between the frame and plastic roller on the lower end of the attachment idler arm. See Figure 20.



- If roller is 1/2 – 7/8 in. (12.7 – 22.2 mm) from frame, go to *Adjust the Attachment Clutch Cable Spring Extension* on page 20.
- If roller is less than 1/2 in. (12.7 mm) from frame, loosen idler adjustment nut and move idler closer to the belt. Tighten adjustment nut and recheck the roller clearance.
- If roller is more than 7/8 in. (22.2 mm) from frame, loosen idler adjustment nut and move idler away from the belt. Tighten adjustment nut and recheck roller clearance.

Adjust the Attachment Clutch Cable Spring Extension

1. Check the attachment clutch cable spring extension.
Measure the length of the attachment clutch cable spring with the clutch lever disengaged.

Then measure the attachment clutch spring with the clutch lever engaged. See Figure 21. The spring should be 7/16 – 1/2 in. (11.1 – 12.7 mm) longer when the clutch lever is engaged.

- If spring extension is within the specified range, go to *Check Attachment Brake (Figure 22)* on page 21.
- If spring extension is outside of specified range, go to step 2.

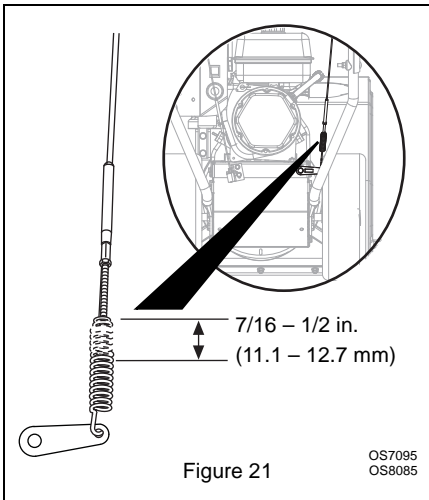


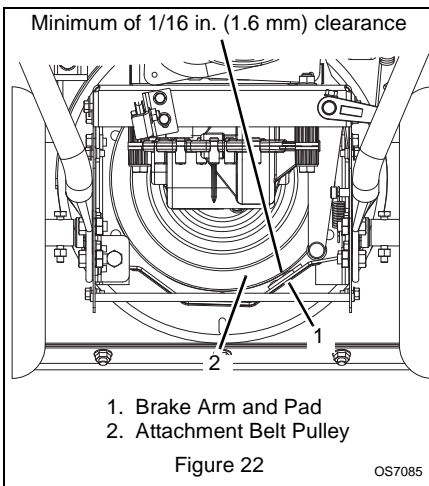
Figure 21

OS7095
OS8085

2. Adjust cable length (See Figure 21).
 - a. Loosen jam nut on cable.
 - b. To increase spring extension, adjust barrel down the cable and tighten jam nut.
 - c. To decrease spring extension, adjust barrel up the cable and tighten jam nut.

Check Attachment Brake (Figure 22)

1. With the attachment clutch lever disengaged, brake pad must contact attachment belt. With attachment clutch lever engaged, brake pad must be more than 1/16 in. (1.6 mm) from belt. If there is more than 1/16 in. (1.6 mm) gap, go to *Check Belt Finger Clearance* (Figure 27) on page 21. If there is less than 1/16 in. (1.6 mm) gap, go to Step 2.



1. Brake Arm and Pad
2. Attachment Belt Pulley

Figure 22

OS7085

2. If there is less than 1/16 in. (1.6 mm) gap between brake pad and belt, follow these steps:

- a. To increase brake pad gap, loosen idler adjustment nut, and move idler away from belt. Position idler to achieve a 1/16 in. (1.6 mm) minimum brake pad gap and a 1/2 - 7/8 in. (12.7 - 22.2 mm) gap between the plastic roller and the frame.
- b. Check the clutch cable spring extension and adjust as necessary to achieve a 7/16 - 1/2 in. (11.1 - 12.7 mm) spring extension.
- c. If the cable needed adjustment, recheck gaps described in step 1. Repeat steps as necessary until brake clearance, roller gap and spring extension are within specified ranges.

IMPORTANT: If adjustments cannot be brought into specified ranges see your dealer for repairs.

Check Belt Finger Clearance (Figure 27)

1. With clutch lever engaged, belt retaining fingers should be positioned as shown in Figure 27.

To adjust belt finger, loosen the bolts and move the finger to the proper position. Tighten the bolts and recheck the belt finger clearance.

2. Replace the belt cover and tighten hardware.
3. Check that auger/impeller stops within 5 seconds after attachment clutch/impeller brake lever is released.

TRACTION DRIVE CLUTCH ADJUSTMENT

IMPORTANT: Operating the unit with the traction drive clutch improperly adjusted will damage the transmission. Make sure the clutch is adjusted to the specifications listed below.

To test traction clutch (Figure 23):

1. Without engine running, push unit forward while slowly moving the traction drive clutch lever toward the handlebar.
2. Measure distance between lever and handlebar when the wheels begin to brake. If distance is not 6-1/8 in. - 6-3/4 in. (15,5 cm - 17,1 cm), adjust the traction clutch.

Traction Clutch Lever

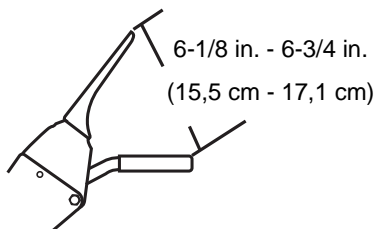
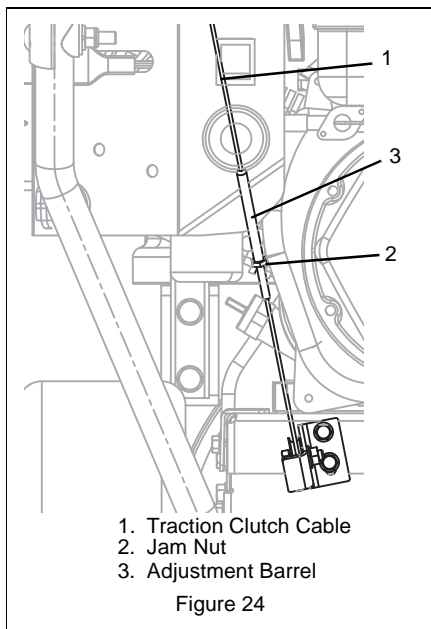


Figure 23

OS0458

To adjust traction clutch (Figure 24):

1. Loosen jam nut on traction clutch cable adjustment barrel.
Turn adjustment barrel up the cable to decrease the distance between clutch lever and handlebar.
Turn the adjustment barrel down the cable to increase the distance between clutch lever and handlebar.
2. Check traction clutch lever distance and repeat adjustment steps if necessary.
3. Tighten jam nut on traction cable adjustment barrel.



1. Traction Clutch Cable
2. Jam Nut
3. Adjustment Barrel

Figure 24

ATTACHMENT DRIVE BELT REPLACEMENT

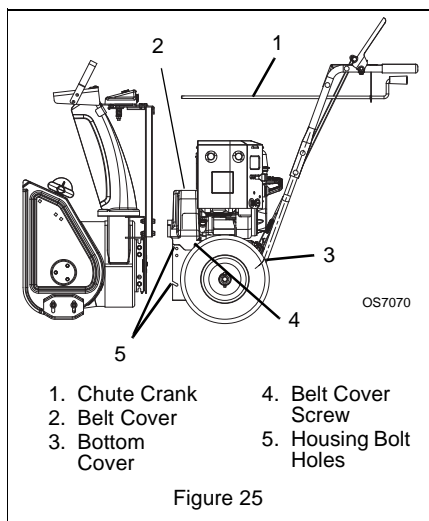
Remove Attachment Drive Belt

(Figure 25)

1. Shut off engine, remove key, disconnect spark plug wire and allow unit to cool completely.
2. Loosen the hardware securing belt cover to unit.

NOTE: DO NOT completely remove the hardware from unit.

3. Remove belt cover.
4. Remove spring clip from chute crank and separate (Figure 6).



1. Chute Crank
2. Belt Cover
3. Bottom Cover
4. Belt Cover Screw
5. Housing Bolt Holes

Figure 25

OS7070

5. Remove belt fingers by removing cap screws mounting belt fingers to engine (Figure 26)



CAUTION: Always support Sno-Tek™ frame and housing when loosening the cap screws holding them together. Never loosen cap screws while unit is in service position.

IMPORTANT: To avoid bending bottom cover, remove the cover before separating the blower housing from the unit.

6. Support Sno-Tek™ frame and housing.
7. Remove top four cap screws and loosen lower cap screw holding blower housing to frame on each side.
8. Remove attachment drive belt from engine sheave (it may be necessary to turn engine sheave using recoil starter handle).

9. Separate housing from unit. Lower handlebar on floor.
10. Remove attachment drive belt from lower pulley.

Replace Attachment Drive Belt

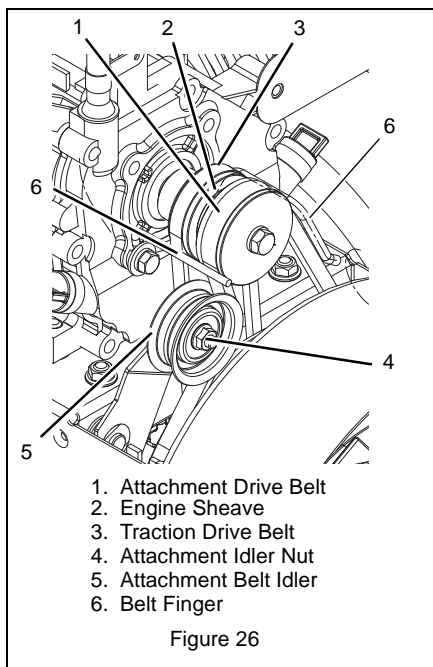
1. Place new belt onto lower pulley and while holding brake out of way, tip unit together.

NOTE: Engage attachment clutch lever while connecting housing to frame to hold brake out of the way.

2. Secure blower housing to frame with cap screws removed in step 7 of *Remove Attachment Drive Belt* on page 22.
3. Place belt onto engine sheave.
4. Replace belt fingers.

IMPORTANT: BELT FINGERS MUST BE SET as shown in Figure 27. Improper adjustment may cause impeller to rotate while attachment clutch is disengaged.

5. Adjust clutch per *Attachment Clutch/Brake Adjustment* on page 19.
6. Replace belt cover and tighten hardware.
7. Replace chute crank into pinion gear and secure with spring clip (Figures 6 and 25).
8. Run-in the drive belt according to instructions in *Run-in Attachment Belt* on page 10 and then check attachment drive clutch adjustment. See *Attachment Clutch/Brake Adjustment* on page 19.



1. Attachment Drive Belt
2. Engine Sheave
3. Traction Drive Belt
4. Attachment Idler Nut
5. Attachment Belt Idler
6. Belt Finger

Figure 26

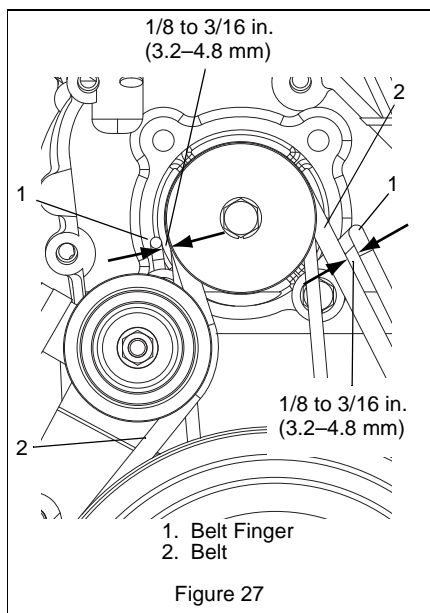


Figure 27

TRACTION DRIVE BELT REPLACEMENT

NOTE: Housing and frame must be tipped apart and attachment drive belt removed from engine sheave in order to change traction drive belt (Figures 25 and 26).



CAUTION: Always support Sno-Tek™ frame and blower housing when loosening the cap screws holding them together. Never loosen cap screws while unit is in service position.

1. Shut off engine, remove key, disconnect spark plug wire and allow unit to cool completely.
2. Remove attachment drive belt (See *Remove Attachment Drive Belt* on page 22).
3. Push the traction drive belt off the engine pulley toward the engine as shown in Figure 28.

NOTE: To make belt removal easier, slowly pull the recoil starter while pushing the traction drive belt off the engine pulley.

Position the traction drive belt on the engine sheave like this when removing and installing it.

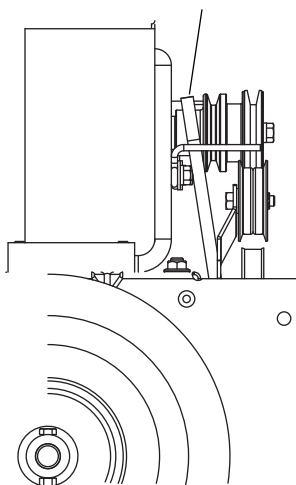


Figure 28

4. Remove and discard traction drive belt from the unit.
5. Place new traction drive belt on engine pulley between the engine and pulley groove as shown in Figure 28.
6. Place new traction drive belt on transmission pulley.
7. Push the new traction drive belt onto the grooves in the engine pulley.

NOTE: Slowly pull the recoil starter while pushing the traction drive belt onto the engine pulley. Make sure the belt seats properly in the grooves of the transmission and engine pulleys.

8. Replace attachment drive belt (See *Replace Attachment Drive Belt* on page 23).
9. Check traction drive clutch adjustment. See *Traction Drive Clutch Adjustment* on page 21.

STORAGE



WARNING: AVOID INJURY. Read and understand the entire *Safety* section before proceeding.

SHORT TERM

IMPORTANT: NEVER spray unit with high pressure water or store unit outdoors.

Run with attachment clutch engaged a few minutes after each use to free unit of any loose or melting snow.

Close fuel shut-off valve.

Inspect unit for visible signs of wear, breakage or damage.

Keep all nuts, bolts and screws properly tightened and know unit is in safe working condition.

Store unit in a cool, dry protected area.

LONG TERM

Clean unit thoroughly with mild soap and low pressure water and lubricate (see Maintenance). Touch up all scratched painted surfaces.

Remove weight from wheels by putting blocks under frame or axle.

FUEL SYSTEM

Gasoline left in the fuel system for extended periods without a stabilizer will deteriorate, resulting in gum deposits in the system. These deposits can damage the carburetor and the fuel hoses, filter and tank. Prevent deposits from forming in the fuel system during storage by adding a quality fuel stabilizer to the fuel. Follow the recommended mix ratio found on the fuel stabilizer container.

To treat the fuel system for storage:

1. Add fuel stabilizer according to manufacturer's instructions.
2. Run engine for at least 10 minutes after adding stabilizer to allow it to reach the carburetor.

NEVER store the engine with fuel in the fuel tank inside of a building with potential sources of ignition.

SERVICE PARTS

Order the following parts through your dealer:

Part No.	Description
00036800	Ariens Hi-Temp Grease (3, 3 oz. cartridges)
21547400	Spark Plug
07200108	Impeller Belt
07200109	Stretch Fit Traction Belt
53200500	Shear Bolts
00592900	Gas Stabilizer (4 oz.)

ACCESSORIES

See your authorized Ariens dealer to add the additional accessories available to your Sno-Tek™.

Part No.	Description
72000200	Slicer Bar
72600300	Composite Skid Shoe Kit
73203600	Cover

TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	CORRECTION
Engine will not crank/start.	<ol style="list-style-type: none"> 1. Fuel tank is empty. 2. Fuel shut-off valve is closed. 3. Build up of dirt and residue around governor/carburetor. 4. Key switch not in run position. 5. Engine shut off switch turned off. 	<ol style="list-style-type: none"> 1. Fill fuel tank. 2. Open fuel shut-off valve. 3. Clean area around governor/carburetor. 4. Put key switch into run position. 5. Turn on engine shut off switch.
Engine stops.	<ol style="list-style-type: none"> 1. Out of fuel. 2. Fuel shut-off valve is closed. 3. Mechanical jam in blower rake or impeller. 4. Polluted fuel supply. 5. Faulty spark plug. 6. Plugged fuel cap vent. 	<ol style="list-style-type: none"> 1. Fill fuel tank. 2. Open fuel shut-off valve. 3. Turn off engine, remove key, and wait for all moving parts to stop. Check for and remove obstruction and repair before restart. 4. Replace with clean fuel. 5. Replace or clean spark plug. 6. Replace fuel cap.
Engine problems.	<ol style="list-style-type: none"> 1. See engine manual. 	<ol style="list-style-type: none"> 1. See engine manual.
Does not drive forward.	<ol style="list-style-type: none"> 1. Traction drive cable not adjusted properly. 2. Traction belt not functioning. 	<ol style="list-style-type: none"> 1. Adjust traction drive cable. <i>See Traction Drive Clutch Adjustment on page 21.</i> 2. Repair or replace traction drive belt. <i>See Traction Drive Belt Replacement on page 23.</i>
Unit throws snow poorly or does not throw snow.	<ol style="list-style-type: none"> 1. Shear bolts broken. 2. Attachment clutch/brake not adjusted properly. 3. Auger is frozen in place. 4. Ice or debris is obstructing auger. 5. Attachment drive belt slipping, worn or damaged. 	<ol style="list-style-type: none"> 1. Replace shear bolts (<i>see Shear Bolts on page 18</i>). 2. Adjust attachment clutch/brake (<i>see Attachment Clutch/Brake Adjustment on page 19</i>). 3. Move unit to a warm place to thaw. 4. With the engine off and auger disengaged, check for obstructions and remove. 5. Adjust or replace attachment drive belt (<i>see Attachment Clutch/Brake Adjustment on page 19</i>).

SPECIFICATIONS

Model Number	939400	939401
Description	Sno-Tek™ 22	Sno-Tek™ 20
Engine		
Engine Model	LCT Storm Force	
Gross Torque* - ft-lbs (N-m)	9.5 (12.9)	
*Engine output stated in gross torque per SAE J1940 as rated by engine manufacturer		
Displacement - in. (cc)	12.7 (208)	
High Idle - RPM (min)	3600 ± 50	
Start	Recoil	
Fuel Tank Capacity - qt (Liters)	3.8 (3.6)	
Chute		
Chute Rotation Angle	205°	
Rotation Control	2.5X Quick Turn	
Deflector Control	Manual	
Auger		
Snow Clearing Width - in. (cm)	22.0 (55.9)	20.0 (50.8)
Gear Case	Aluminum	
Auger Diameter - in. (cm)	11.0 (27.9)	
Impeller		
Impeller Diameter - in. (cm)	12.0 (30.5)	
Impeller Speed (RPM)	1071	
Impeller Tip Speed - ft/min (m/min)	3365 (1026)	
Drive		
Blower Drive	4L Belt	
Drive System	Clutching Wet Sump Gearbox	
Speeds	1 Forward	
Axle Control	Solid Locked	
Pneumatic Tires - in. (cm)	13 x 4-6	10 x 4-4
Size and Weight		
Length - in. (cm)	51.1 (129.8)	51.3 (130.2)
Height - in. (cm)	44.7 (113.4)	43.1 (109.5)
Width - in. (cm)	24.4 (62.0)	22.4 (56.8)
Weight - lbs (Kg)	151 (68.5)	130 (58.9)



Sno-Tek™ Two-Year Limited Warranty

Ariens Company (Ariens) warrants to the **original purchaser** that Sno-Tek brand products will be free from defects in material and workmanship for a period of two years after the date of purchase. An authorized Ariens dealer will repair any defect in material or workmanship, and repair or replace any defective part, subject to the conditions, limitations and exclusions set forth herein. Such repair or replacement will be free of charge to the original purchaser (labor and parts), except as noted below.

The duration of this warranty applies only if the product is put to personal use around a household or residence. If the product is put to any business use, agricultural, commercial, or industrial, then the duration of this warranty shall be 90 days after the date of purchase. If any product is rented or leased, then the duration of this warranty shall be 90 days after the date of purchase. It is the owner's responsibility to perform correctly the maintenance and minor adjustments explained in the owner's manual.

Service Parts and Accessories Warranty

- Genuine Ariens brand service parts and accessories are warranted to be free from defects in material and workmanship for a period of 90 days after the date of purchase. An authorized Ariens dealer will repair or replace any such part or accessory free of charge, except for labor, during that period.

Exceptions, Limitations, Exclusions

Customer Responsibilities

Register the product immediately at the time of sale. If the dealer does not register the product, the customer must complete the product registration card in the literature package and return it to the Ariens Company, or register the unit online at www.ariens.com.

To obtain warranty service, the **original purchaser** must:

- Perform the maintenance and minor adjustments explained in the owner's manual.
- Promptly notify Ariens or an authorized Ariens service representative of the need for warranty service.
- Transport the product to and from the place of warranty service.
- Have the warranty service performed by an authorized Ariens service representative.

To find an Ariens authorized service representative, contact Ariens at:

655 W. Ryan Street
Brillion, WI 54110
(920) 756 - 2141
www.ariens.com

Limitations

- Friction discs, belts, idlers, cables, and electrical components on Sno-Tek models put to personal use around a household or residence are warranted against defects in materials or workmanship to the **original purchaser** for two years.

Exclusions – Items Not Covered by This Warranty

- Engines and engine accessories are covered only by the engine manufacturer's warranty and are not covered by this warranty.
- Parts that are not genuine Ariens service parts are not covered by this warranty and may void the warranty.
- Damages resulting from the installation or use of any part, accessory or attachment which is not approved by the Ariens Company for use with product(s) identified herein are not covered by this warranty.
- The following maintenance, service and replacement items are not covered by this warranty unless they are noted in the Limitations section above: lubricants, spark plugs, oil, oil filters, air filters, shoes, skid shoes, scraper blades, shear bolts, headlights, light bulbs.
- Any misuse, alteration, improper assembly, improper adjustment, neglect, or accident which requires repair is not covered by this warranty.
- This warranty applies only to products purchased in the United States (including Puerto Rico) and Canada. In all other countries, contact place of purchase for warranty information.

Disclaimer

Ariens may from time to time change the design of its products. Nothing contained in this warranty shall be construed as obligating Ariens to incorporate such design changes into previously manufactured products, nor shall such changes be construed as an admission that previous designs were defective.

LIMITATION OF REMEDY AND DAMAGES

Ariens Company's liability under this warranty, and under any implied warranty that may exist, is limited to repair of any defect in workmanship, and repair or replacement of any defective part. Ariens shall not be liable for incidental, special, or consequential damages (including lost profits). Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

DISCLAIMER OF FURTHER WARRANTY

Ariens Company makes no warranty, express or implied, other than what is expressly made in this warranty. If the law of your state provides that an implied warranty of merchantability, or an implied warranty of fitness for particular purpose, or any other implied warranty, applies to Ariens Company, then any such implied warranty is limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Ariens Company
655 West Ryan Street
Brillion, WI 54110-1072

920-756-2141
www.ariens.com

Sno-Tek Cover

Waterproof, washable and tear-resistant, this cover protects your Sno-Tek when it is not in use.



Non-Abrasive Skid Shoes

Protect the decorative surfaces around your home.

Sno-Tek LCT® Engine Maintenance Kit

Includes Ariens 32oz. 5W30 engine oil, Spark Plug, Fuel stabilizer and a spare ignition key.



Drift Cutter

Extend the bars to cut through drifts and direct snow into the auger.

*2010 Ariens Company * Registered Trademark and TMTrademark of Ariens Company. LCT is a registered trademark of Liquid Combustion Tech LLC. Features and specifications are subject to change without notice.



WARNING



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