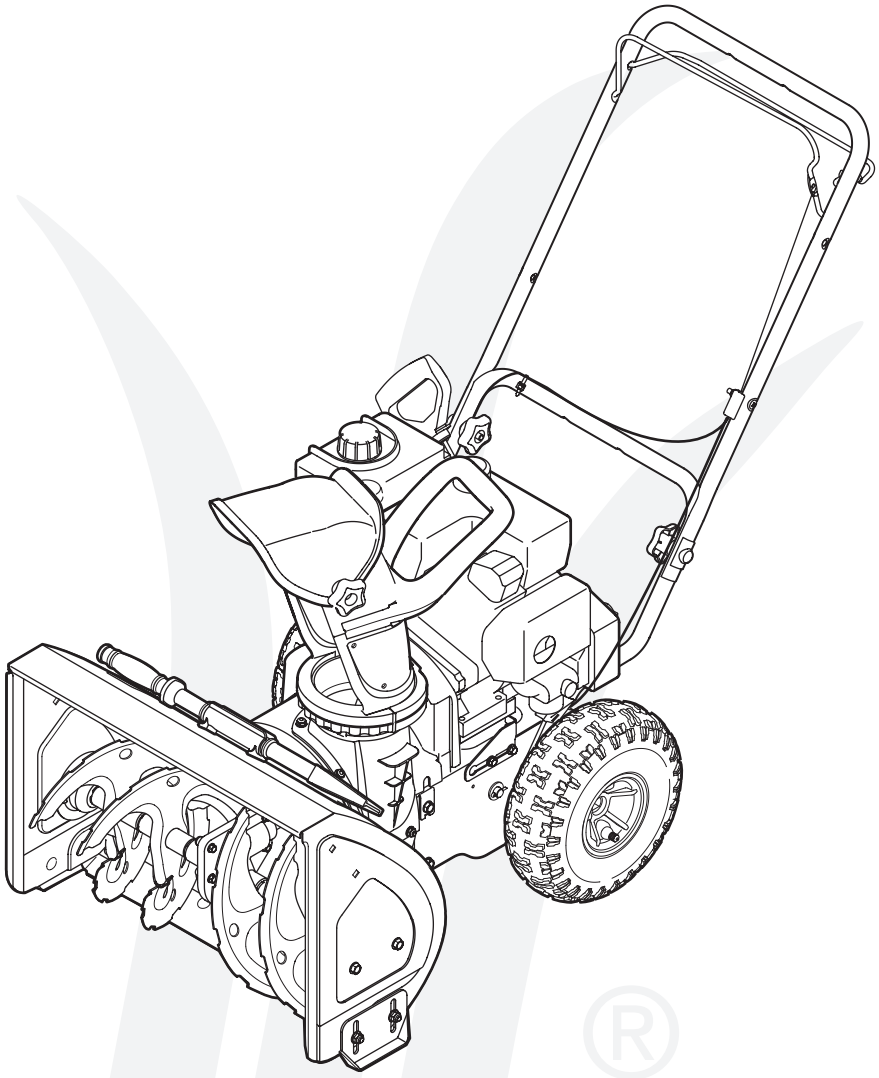
For Parts Call 606-678-9623 or 606-561-4983

Safety • Assembly • Operation • Tips & Techniques • Maintenance • Troubleshooting • Parts Lists • Warranty

OPERATOR'S MANUAL



Two-Stage Snow Thrower – Models 3AA & 3CA

IMPORTANT

READ SAFETY RULES AND INSTRUCTIONS CAREFULLY BEFORE OPERATION

Warning: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer or contact the service department, P.O. Box 361131 Cleveland, Ohio 44136-0019.

FORM NO. 769-00747E

PRINTED IN U.S.A. **MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019** 5/31/2006

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This Operator's Manual is an important part of your new snow thrower. It will help you assemble, prepare, and maintain the unit for best performance. Please read and understand what it says.

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Warranty .....Back Cover

This Operators Manual covers a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. MTD LLC reserves the right to change product specifications, designs and equipment without notice and without incurring obligation.

Finding and Recording Model Number

BEFORE ASSEMBLING YOUR NEW EQUIPMENT, please locate the model plate on the equipment and copy the information to the sample model plate provided to the right. You can locate the model plate by standing at the operating position and looking down at the rear of the snow thrower. This information will be necessary to use the manufacturer's web site, to obtain assistance from the Customer Support Department, or when contacting an authorized service dealer.

Model Number _____

Serial Number _____

MTD For A Growing World.®

www.mtdproducts.com

MTD LLC
P.O. BOX 361131
CLEVELAND, OH 44136
330-220-4683
800-800-7310

Customer Support

Please do *NOT* return the unit to the retailer from which it was purchased, without first contacting Customer Support.

If you have difficulty assembling this product or have any questions regarding the controls, operation, or maintenance of this unit, you can seek help from the experts. Choose from the options below:

- Visit **www.mtdproducts.com**
- Call a Customer Support Representative at **1-800-800-7310**.
- 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.

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FOR TURNING, NOT LIFTING

⚠ DANGER

- NEVER PUT HAND IN CHUTE. CONTACT WITH ROTATING PARTS CAN AMPUTATE FINGERS AND HANDS.
- SHUT OFF ENGINE AND WAIT UNTIL ALL MOVING PARTS HAVE STOPPED BEFORE UNCLOGGING.
- USE CLEAN-OUT TOOL OR WOODEN STICK TO UNCLOG DISCHARGE CHUTE.

⚠ DANGER

AVOID INJURY FROM ROTATING AUGER - KEEP HANDS, FEET AND CLOTHING AWAY.

⚠ DANGER

1. KEEP AWAY FROM ROTATING IMPELLER AND AUGER. CONTACT WITH IMPELLER OR AUGER CAN AMPUTATE HANDS AND FEET.
2. USE CLEAN-OUT TOOL TO UNCLOG DISCHARGE CHUTE.
3. DISENGAGE CLUTCH LEVERS, STOP ENGINE, AND REMAIN BEHIND HANDLES UNTIL ALL MOVING PARTS HAVE STOPPED BEFORE UNCLOGGING OR SERVICING MACHINE.
4. TO AVOID THROWN OBJECTS INJURIES, NEVER DIRECT DISCHARGE AT BYSTANDERS. USE EXTRA CAUTION WHEN OPERATING ON GRAVEL SURFACES.
5. READ OPERATOR'S MANUAL.

⚠ WARNING

AVOID SERIOUS INJURY FROM TIRE / RIM EXPLOSION.

TO PREVENT OVER-INFLATION:

- USE A MANUAL PUMP OR PORTABLE ELECTRIC TIRE INFLATOR.
- NEVER USE AN AIR COMPRESSOR.
- INFLATE TIRE TO 20 PSI.

1

Safety Labels

WARNING

This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this machine. Failure to comply with these instructions may result in personal injury. When you see this symbol HEED ITS WARNING! Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

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2 Safe Operation Practices

WARNING

This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this machine. Failure to comply with these instructions may result in personal injury. When you see this symbol.

HEED ITS WARNING!

Your Responsibility
Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

WARNING: Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to State of California to cause cancer and birth defects or other reproductive harm.

DANGER: This machine was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

Training

1. Read, understand, and follow all instructions on the machine and in the manual(s) before attempting to assemble and operate. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. Be familiar with all controls and their proper operation. Know how to stop the machine and disengage them quickly.
3. Never allow children under 14 years old to operate this machine. Children 14 years old and over should read and understand the operation instructions and safety rules in this manual and should be trained and supervised by a parent.
4. Never allow adults to operate this machine without proper instruction.
5. Thrown objects can cause serious personal injury. Plan your snow-throwing pattern to avoid discharge of material toward roads, bystanders, and the like.
6. Keep bystanders, helpers, pets, and children at least 75 feet from the machine while it is in operation. Stop machine if anyone enters the area.
7. Exercise caution to avoid slipping or falling, especially when operating in reverse.

Preparation

1. Thoroughly inspect the area where the equipment is to be used. Remove all doormats, newspapers, sleds, boards, wires, and other foreign objects, which could be tripped over or thrown by the auger/impeller.
2. Always wear safety glasses or eye shields during operation and while performing an adjustment or repair to protect your eyes. Thrown objects which ricochet can cause serious injury to the eyes.
3. Do not operate without wearing adequate winter outer garments. Do not wear jewelry, long scarves, or other loose clothing which could become entangled in moving parts. Wear footwear which will improve footing on slippery surfaces.
4. Use a grounded three-wire extension cord and receptacle for all units with electric start engines.
5. Adjust collector housing height to clear gravel or crushed rock surfaces.
6. Disengage all control levers before starting the engine.
7. Never attempt to make any adjustments while engine is running, except where specifically recommended in the operator's manual.
8. Let engine and machine adjust to outdoor temperature before starting to clear snow.
9. To avoid personal injury or property damage use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Serious personal injury can occur when gasoline is spilled on yourself or your clothes, which can ignite. Wash your skin and change clothes immediately.
   a. Use only an approved gasoline container.
   b. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
   c. Never fuel machine indoors.
   d. Never remove gas cap or add fuel while the engine is hot or running.
   e. Allow engine to cool at least two minutes before refueling.
   f. Never over fill fuel tank. Fill tank to no more than ½-inch below bottom of filler neck to provide space for fuel expansion.
   g. Replace gasoline cap and tighten securely.
   h. If gasoline is spilled, wipe it off the engine and equipment. Move machine to another area. Wait five minutes before starting the engine.
   i. Never store the machine or fuel container inside where there is an open flame, spark or pilot light (e.g. furnace, water heater, space heater, clothes dryer etc.).
   j. Allow machine to cool at least five minutes before storing.

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Operation

1. Do not put hands or feet near rotating parts, in the auger/impeller housing or chute assembly. Contact with the rotating parts can amputate hands and feet.
2. The auger/impeller control lever is a safety device. Never bypass its operation. Doing so makes the machine unsafe and may cause personal injury.
3. The control levers must operate easily in both directions and automatically return to the disengaged position when released.
4. Never operate with a missing or damaged chute assembly. Keep all safety devices in place and working.
5. Never run an engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless and deadly gas.
6. Do not operate machine while under the influence of alcohol or drugs.
7. Muffler and engine become hot and can cause a burn. Do not touch.
8. Exercise extreme caution when operating on or crossing gravel surfaces. Stay alert for hidden hazards or traffic.
9. Exercise caution when changing direction and while operating on slopes.
10. Plan your snow-throwing pattern to avoid discharge towards windows, walls, cars etc. Thus, avoiding possible property damage or personal injury caused by a ricochet.
11. Never direct discharge at children, bystanders, and pets or allow anyone in front of the machine.
12. Do not overload machine capacity by attempting to clear snow at too fast of a rate.
13. Never operate this machine without good visibility or light. Always be sure of your footing and keep a firm hold on the handles. Walk, never run.
14. Disengage power to the auger/impeller when transporting or not in use.
15. Never operate machine at high transport speeds on slippery surfaces. Look down and behind and use care when backing up.
16. If the machine should start to vibrate abnormally, stop the engine, disconnect the spark plug wire and ground it against the engine. Inspect thoroughly for damage. Repair any damage before starting and operating.
17. Disengage all control levers and stop engine before you leave the operating position (behind the handles). Wait until the auger/impeller comes to a complete stop before unclogging the chute assembly, making any adjustments, or inspections.
18. Never put your hand in the discharge or collector openings. Always use the clean-out tool provided to unclog the discharge opening. Do not unclog chute assembly while engine is running. Shut off engine and remain behind handles until all moving parts have stopped before unclogging.
19. Use only attachments and accessories approved by the manufacturer (e.g. wheel weights, tire chains, cabs etc.).
20. If situations occur which are not covered in this manual, use care and good judgment. Contact your dealer or call the customer service number found on page two.

Maintenance & Storage

1. Never tamper with safety devices. Check their proper operation regularly. Refer to the maintenance and adjustment sections of this manual.
2. Before cleaning, repairing, or inspecting machine disengage all control levers and stop the engine. Wait until the auger/impeller come to a complete stop. Disconnect the spark plug wire and ground against the engine to prevent unintended starting.
3. Check bolts and screws for proper tightness at frequent intervals to keep the machine in safe working condition. Also, visually inspect machine for any damage.
4. Do not change the engine governor setting or over-speed the engine. The governor controls the maximum safe operating speed of the engine.
5. Snow thrower shave plates and skid shoes are subject to wear and damage. For your safety protection, frequently check all components and replace with original equipment manufacturer's (OEM) parts only. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
6. Check controls periodically to verify they engage and disengage properly and adjust, if necessary. Refer to the adjustment section in this operator's manual for instructions.
7. Maintain or replace safety and instruction labels, as necessary.
8. Observe proper disposal laws and regulations for gas, oil, etc. to protect the environment.
9. Prior to storing, run machine a few minutes to clear snow from machine and prevent freeze up of auger/impeller.
10. Never store the machine or fuel container inside where there is an open flame, spark or pilot light such as a water heater, furnace, clothes dryer etc.
11. Always refer to the operator's manual for proper instructions on off-season storage.

Do not modify engine

To avoid serious injury or death, do not modify engine in any way. Tampering with the governor setting can lead to a runaway engine and cause it to operate at unsafe speeds. Never tamper with factory setting of engine governor.

Notice regarding Emissions

Engines which are certified to comply with California and federal EPA emission regulations for SORE (Small Off Road Equipment) are certified to operate on regular unleaded gasoline, and may include the following emission control systems: Engine Modification (EM) and Three Way Catalyst (TWC) if so equipped.

Your Responsibility

Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

2

Safe Operation Practices

WARNING

This symbol points out important safety instructions, which if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this machine. Failure to comply with these instructions may result in personal injury. When you see this symbol.

HEED IT'S WARNING!

Your Responsibility
Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

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3

Setup and Adjustment

WARNING

Disconnect the spark plug wire and ground it against the engine to prevent unintended starting.

Do not use the chute handle to lift the snow thrower.

Over-inflating the tire with excessive pressure (well above 20 psi) may cause the tire/rim to burst with sufficient force to cause serious pressure.

All references to left or right side of the snow thrower is from the operating position only.

IMPORTANT: This unit is shipped with the engine full of oil. After assembly, see Operation section for fuel and oil details.

Before Assembly

WARNING: Disconnect the spark plug wire and Ground it against the engine to prevent unintended starting.

NOTE: Reference to right, left, front, or rear of the unit is from the operating position unless otherwise stated.

1. Cut the cable tie that secures the upper handle to the chute assembly for shipping purposes.

Setting Up The Handle

1. Loosen the chute knob on the upper chute(1) and pivot the upper chute upwards(2) as far as it will go. See Figure 1.

WARNING: Do not lift the snow thrower by the chute handle.

2. Loosen the handle knob and handle tab on each side of the handle. See Figure 2.
3. Hold both controls against upper handle and pull up as shown in Step 1 of Figure 3. Make sure that the upper handle locks over the lower handle and handle tabs align with the handle. You may have to carefully maneuver the upper handle to clear chute assembly.

CAUTION: ***Be careful not to bend or kink the cable.***

4. Tighten the handle knobs on each side of the handle. Refer to Step 2 in Figure 3.
5. Adjust upper chute and rotate chute handle to desired operating position.
6. Tighten the chute knob on the upper chute making sure the carriage bolt is correctly positioned. Refer to Figure 1.

Clean-Out Tool

This tool and the electric extension cord, if so equipped, may be fastened with a cable tie to the rear of the auger housing for shipping purposes. In that case, cut the cable tie and remove the extension cord now.

Final Adjustments

IMPORTANT: Check the adjustments as instructed and make any final adjustments necessary before operating the unit. Check all nuts and bolts for tightness. Failure to follow these instructions may cause damage to unit.

Tire Pressure

The proper inflation pressure is 20 psi. Check the tire pressure periodically and maintain equal pressure in both tires at all times. Excessive pressure (well above 20 psi) may cause the wheel (tire/rim) assembly to burst with sufficient force to cause serious injury. Do not over-inflate the tire. Use a manual pump or portable electric tire inflator to prevent over-inflation. **NEVER USE AN AIR COMPRESSOR.**

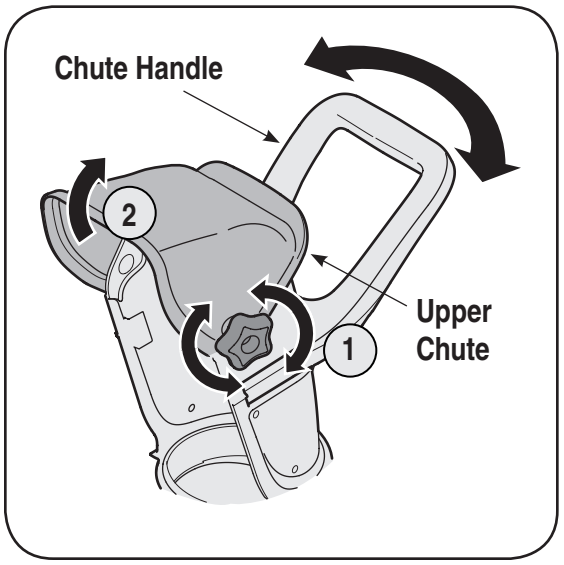

Figure 1

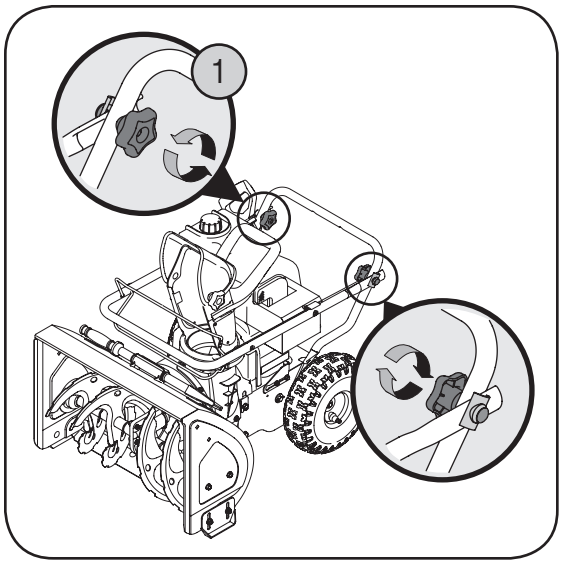

Figure 2

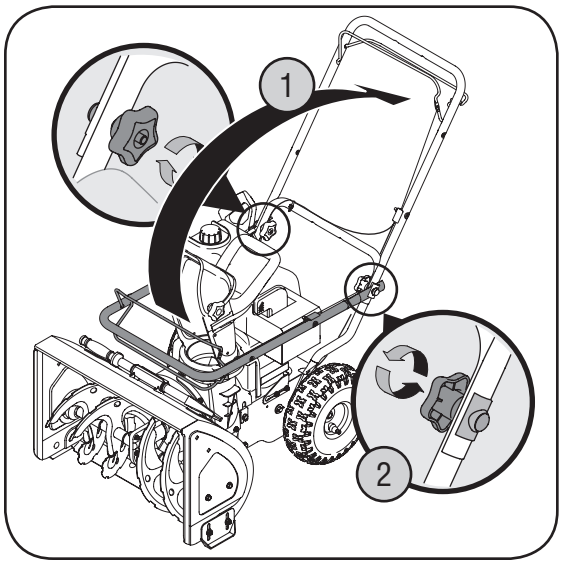

Figure 3

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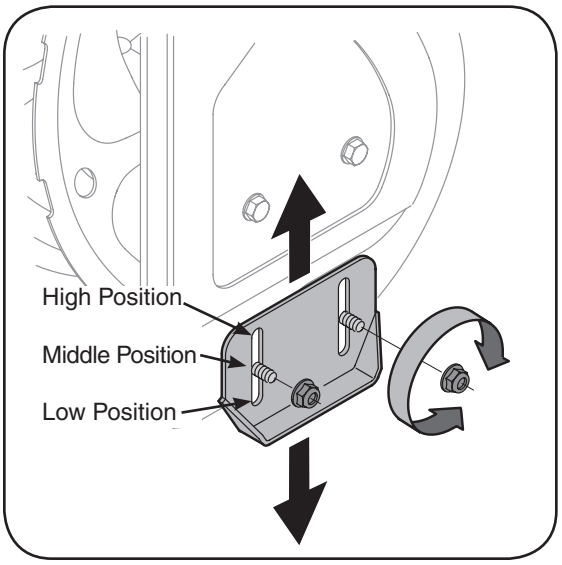

Figure 4

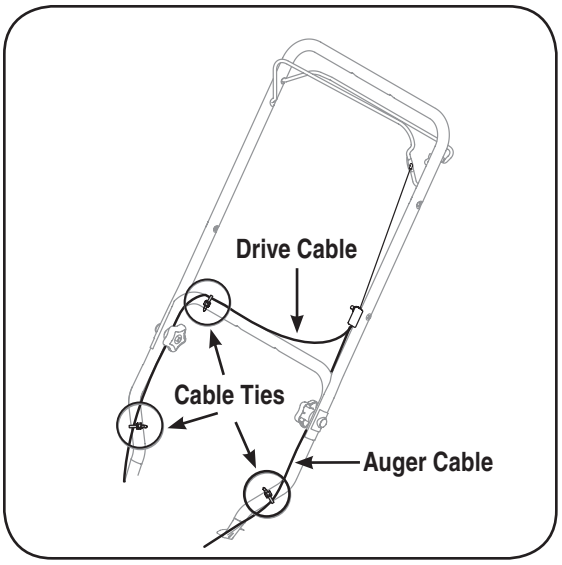

Figure 5

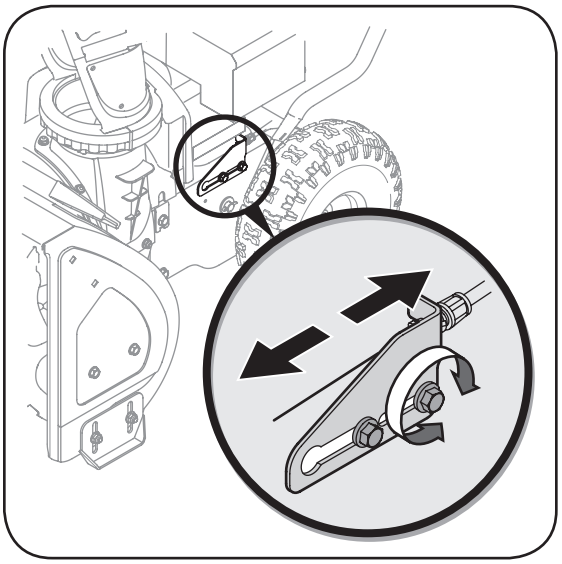

Figure 6

Skid Shoe

The space between the shave plate and the ground can be adjusted. Refer to Figure 7 for location of shave plate and skid shoes.

For close snow removal, place skid shoes in the low position. When the area to be cleared is uneven, place skid shoes in the middle or high position. See Figure 4.

NOTE: It is not recommended that you operate this snow thrower on gravel as loose gravel can be easily picked up and thrown by the auger causing personal injury or damage to the snow thrower. However, if you have to operate it on gravel, keep the skid shoe in the highest position for maximum clearance.

1. Adjust skid shoes by loosening two hex nuts and carriage bolts on each skid shoe, and move the skid shoe to the desired position. See Figure 4.
2. Make certain the entire bottom surface of skid shoe is against the ground to avoid uneven wear on the skid shoes.
3. Tighten nuts and bolts securely.

Routing The Drive Cable

1. Make sure that the drive cable is routed parallel to the left upper handle, then across the top of the lower handle and finally parallel to the right lower handle. See Figure 5.
2. Three cable ties have been used to loosely tie the two control cables to the lower handle. Two of these cable ties are on each arm, and the third on the top cross bar of the lower handle. Tighten these cable ties to secure the cable to the lower handle. See Figure 5.

Adjusting Auger Cable

Periodic adjustment to the auger control cable may be required due to normal stretch and wear on the belt. Adjustment is needed if the augers seem to hesitate while turning, but the engine maintains speed, or continue turning with the auger control disengaged.

1. Loosen the rear hex bolt on the cable adjustment bracket. See Figure 6.
2. Slide the cable adjustment bracket backwards taking out the slack in the auger cable.
3. Retighten the rear hex bolt.
4. Start engine and verify auger control engages and disengages properly.

NOTE: If auger continues to rotate with the control disengaged, shut off engine and readjust.

WARNING: Do not over-tighten the cable. Over-tightening may prevent the auger from disengaging and compromise the safety of the snow thrower.

WARNING

Do not over-tighten the cable. Over-tightening may prevent the auger from disengaging and compromise the safety of the snow thrower.

IMPORTANT: Check the adjustments as instructed and make any final adjustments necessary before operating the unit. Check all nuts and bolts for tightness. Failure to follow these instructions may cause damage to unit.

NOTE: It is not recommended that you operate this snow thrower on gravel as loose gravel can be easily picked up and thrown by the auger causing personal injury or damage to the snow thrower. However, if you have to operate it on gravel, keep the skid shoe in the highest position for maximum clearance.

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4

Know Your Snow Thrower

WARNING

Become familiar with all the controls on the snow thrower and their proper operation. Know how to stop the machine and disengage them quickly.

Never make adjustments to the chute assembly unless both auger and drive controls are disengaged and the operator is standing beside the unit.

WARNING: Be familiar with all the controls on the snow thrower and their proper operation. Know how to stop the machine and disengage them quickly.

Compare Figure 7 with your equipment and follow description of controls, given below, to become familiar with their operation.

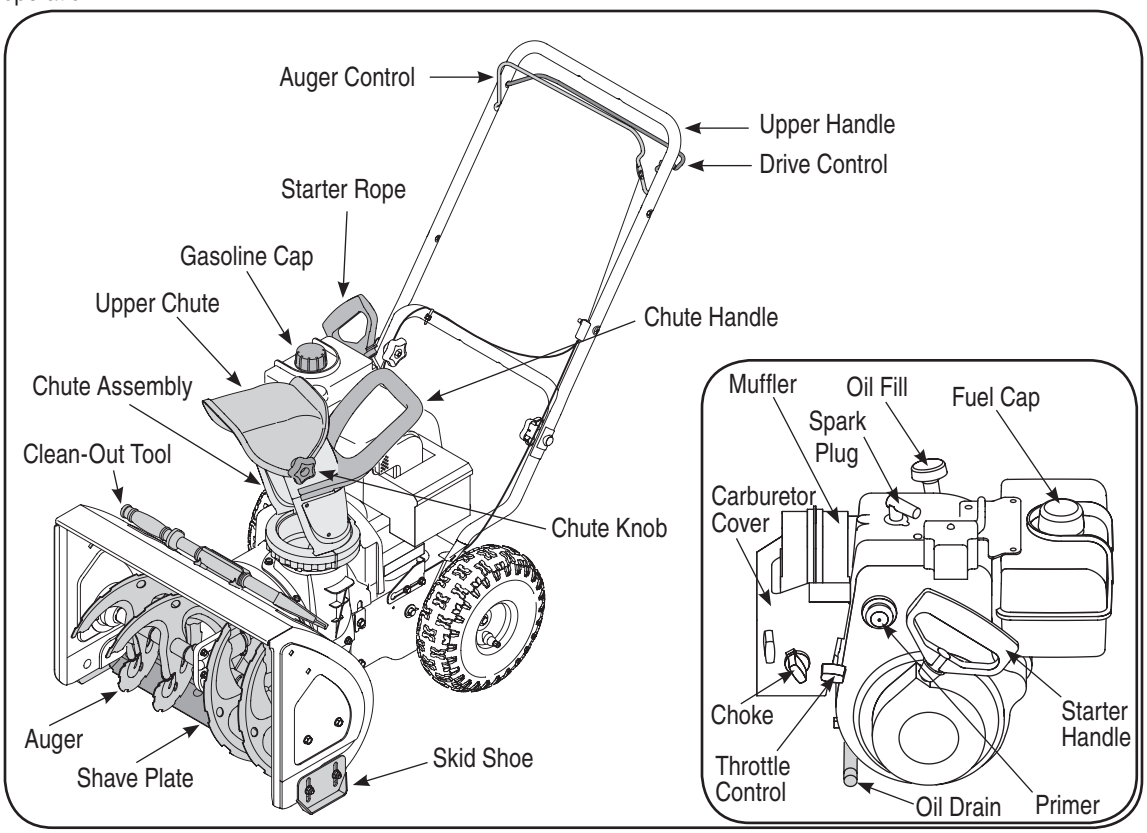

Figure 7

Throttle Control
The throttle control is located on the engine. It regulates the speed of the engine and also stops the engine.

Drive Control
Located on the underside of the upper handle, the drive control is used to engage/disengage wheels. Squeeze the drive control against the upper handle to engage the wheels; release to disengage.

Auger Control
The auger control is adjacent to the upper handle. Squeeze the auger control against the upper handle to engage the augers; release to disengage the augers.

WARNING: Never make adjustments to the chute assembly unless both auger and drive controls are disengaged and the operator is standing beside the unit.

IMPORTANT: Refer to the Auger Control Test in the Operation section prior to operating your snow thrower. Read and follow all instructions carefully and perform all adjustments to verify your snow thrower is operating safely and properly.

Gasoline Cap
Remove gas cap to add fuel. Unit runs on regular gas.

Chute Handle
The direction of snow throwing corresponds to the direction of the chute opening. Use the chute handle to turn the chute assembly in the direction you wish to throw the snow.

Chute Knob
The distance snow is thrown can be adjusted by either raising or lowering the upper chute. Loosen the chute knob on the side of the upper chute to adjust. Pivot the upper chute to desired position, and retighten the chute knob.

Ignition Key
The ignition key is necessary for the engine to start. Insert key and snap in place; Do not turn it to start/stop the unit. Remove key when the unit is not in use.

Shave Plate
The shave plate maintains contact with pavement as the snow thrower is propelled, allowing snow close to pavement's surface to be discharged.

Skid Shoe
The space between the shave plate and the ground can be adjusted. For close snow removal, place skid shoes in the low position. Use middle or high position when area to be cleared is uneven or on gravel surfaces.

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Before Starting Engine

Engine Oil

The engine is shipped with oil in it. Check the oil level before first use.

1. Stop engine and wait several minutes before checking oil level. Remove oil fill cap and dipstick.
2. Wipe dipstick clean, insert it into oil fill hole, and tighten securely.
3. With engine on level ground, oil must be to FULL mark on dipstick. See Figure 8. If oil level is low, add oil.

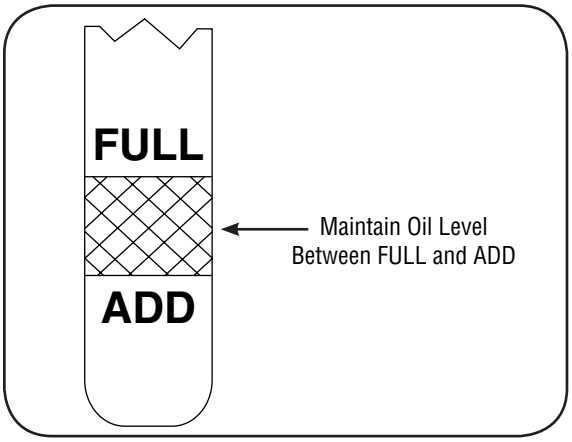

Figure 8

Adding Engine Oil

Be sure to use the grade of engine oil specified in engine manual. To add oil:

1. Remove the dipstick from the oil fill. Pour fresh oil slowly through the plug. Replace dipstick.
2. Check and make sure that the level of oil is up to the FULL mark on the dipstick.

IMPORTANT: For detailed engine information, see the separate engine owner's manual included with this unit.

Gasoline

WARNING: Gasoline is flammable and caution must be used when handling or storing it. Do not fill fuel tank while the snow thrower is running, when it is hot or when it is in an enclosed area.

WARNING: Keep your snow thrower away from any open flame or an electrical spark and do not smoke during fueling.

3. Never fill the fuel tank completely. Fill the tank to no more than 1/2-inch below bottom of filler neck to provide space for expansion of fuel.

NOTE: This unit may include a fuel plug, which is only used during assembly to keep dirt and debris out of fuel tank. Discard the fuel plug before filling the fuel tank.

4. Always use clean, fresh, unleaded grade automotive gasoline. Fill the fuel tank outdoors and use a funnel or spout to prevent spilling. Make sure that the container from which you pour the gasoline is clean and free from rust or other foreign particles. Make sure to wipe off any spilled fuel before starting the engine.
5. At the end of the job, empty the fuel tank if the snow thrower is not going to be used for 30 days or longer. Store gasoline in a clean container and keep the cap in place on the container.

CAUTION: *Never use engine or carburetor cleaner products in the fuel tank.*

To Start Engine

WARNING: Be sure no one other than the operator is standing near the snow thrower while starting or operating. Do not operate this snow thrower unless the chute assembly has been properly installed and is secured.

For location of all the engine controls referred to in this section, see the engine owner's manual.

Recoil Starter–Cold Start

1. Make sure that auger and drive controls are released. Attach spark plug wire to spark plug.
2. Turn fuel valve on, if so equipped.
3. Move throttle control to FAST position.
4. Push key into the ignition slot so that it snaps into place. Do not turn key.
5. Rotate choke control to FULL choke position.
6. Push primer button while covering the vent hole. Remove your finger from the primer between primes. Do not prime if temperature is above 50° F; prime two times between 50° F and 15° F; and prime four times below 15° F.
7. Grasp starter handle and pull rope out slowly until engine reaches start of compression cycle (rope will pull slightly harder at this point). Let the rope rewind slowly.
8. Pull rope with a rapid, continuous, full arm stroke. Keeping a firm grip on the starter handle, let the rope return to the starter slowly. Repeat until engine starts.
9. As the engine warms up, rotate the choke knob slowly to OFF position. If the engine falters, return to FULL choke, then slowly move to OFF choke position.
10. Allow the engine to warm up for a few minutes because the engine will not develop full power until it reaches operating temperature.
11. Operate the engine at full throttle (FAST) when throwing snow.

Warm Start:

1. If restarting an engine after a temporary shut-down, rotate choke to OFF instead of FULL and do not prime. Pull starter handle as instructed before.

5 Operation

WARNING

Gasoline is flammable and caution must be used when handling or storing it. Do not fill fuel tank while the snow thrower is running, when it is hot or when it is in an enclosed area.

Keep your snow thrower away from any open flame or an electrical spark and do not smoke during fueling.

Be sure no one other than the operator is standing near the snow thrower while starting or operating. Do not operate this snow thrower unless the chute assembly has been properly installed and is secured.

The electric starter must be properly grounded at all times to avoid the possibility of electric shock to the operator. If your house wiring system is not a three-wire grounded system, do not use this electric starter under any conditions.

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5 Operation

WARNING

Severe damage to electric starter (if equipped) is possible if you continue to crank for more than five seconds without a cool-down.

The temperature of muffler and the surrounding areas may exceed 150˚F. Avoid these areas.

Electric Starter *(if equipped)*

Some models of the snow thrower may be equipped with an optional 120 volt A.C. electric starter. This electric starter, with a three-wire power cord and plug, is designed to operate on a 120 volt AC household current. Follow the steps below to use the electric starter.

Cold Start:

1. Determine whether your house wiring is a three-wire grounded system. Ask a licensed electrician if you are not certain.

WARNING: The electric starter must be properly grounded at all times to avoid the possibility of electric shock to the operator. If your house wiring system is not a three-wire grounded system, do not use this electric starter under any conditions.

2. If your house wiring system is grounded and a three-hole receptacle is not available at the point the snow thrower starter will normally be used, one should be installed by a licensed electrician.

NOTE: When connecting the power cord, always connect cord to starter on engine first, then plug the other end into a three-hole grounded 120 Volt receptacle. When disconnecting the power cord, always unplug the end from the three-hole, grounded receptacle first.

3. Attach spark plug wire to spark plug.
4. Make sure that the auger control and the drive control are disengaged.
5. Remove the keys from the plastic bag. Push key into the ignition slot. Do not turn the key. Keep second key in a safe place.
6. Move the choke knob to FULL choke position.
7. Move throttle control to the FAST position.
8. Turn fuel valve on, if so equipped.
9. Connect power cord to the switch box on engine.
10. Plug the other end of the power cord into a three-hole, grounded 120 volt AC receptacle.
11. Push primer button three times.
12. Push down on the starter button until the engine starts. Do not crank for more than five seconds at a time.

WARNING: Severe damage to electric starter is possible if you continue to crank for more than five seconds without a cool-down.

13. When the engine starts, release the starter button and slowly rotate the choke to OFF position. If the engine falters, rotate the choke to FULL and then gradually to OFF.

NOTE: When engaging the electric starter, a slight hesitation of a few seconds may occur before the engine starts to turn. This is normal and is not harmful to the engine.

14. Disconnect the power cord from the receptacle first and then from the switch box on the engine.
15. Allow the engine to warm up for a few minutes because the engine will not develop full power until it reaches operating temperature.

NOTE: If the starter motor runs but the engine does not turn over, the starter gear may have frozen. Place the snow thrower in a warmer part of the garage or storage shed till the gear is free of the accumulated ice.

Warm Start:

1. If restarting a warm engine, rotate choke to OFF instead of FULL and press the starter button. Do not push the primer button.

Before Stopping

1. Run engine for a few minutes to help dry off any moisture on engine.
2. To avoid possible freeze-up of the starter, follow these steps:

Recoil Starter

a. With the engine running, pull the starter rope with a rapid, continuous full arm stroke three or four times.

Electric Starter (if equipped)

a. Connect power cord to switch box, then to 120 Volt AC receptacle.

b. While the engine is running, push the starter button and spin the starter for several seconds.

c. Disconnect power cord from the receptacle first, then from the snow thrower.

NOTE: The unusual sound from pulling the starter rope or from spinning the starter will not harm the engine.

3. While standing in the operator's position (behind the snow thrower), engage the auger control for a few seconds to clear any remaining snow and ice from the chute assembly.

To Stop The Snow Thrower

1. To stop the wheels, release the drive control.
2. To stop throwing snow, release the auger control.
3. To stop engine, push throttle control lever to OFF or pull out the key(either method works). Do not turn key.

WARNING: The temperature of muffler and the surrounding areas may exceed 150° F. Avoid these areas

Auger Control Test

IMPORTANT: Perform the following test before operating the snow thrower for the first time and at the start of each winter season.

Check the adjustment of the auger control as follows:

1. When the auger control is released and in the disengaged "up" position, the cable should have very little slack, but should NOT be tight.

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WARNING: Do not over-tighten the cable. Over-tightening may prevent the auger from disengaging and compromise the safety of the snow thrower.

2. In a well-ventilated area, start the snow thrower engine as instructed earlier in this section under the heading Starting Engine. Make sure the throttle is set in the FAST position.
3. While standing in the operator's position (behind the snow thrower) engage the auger.
4. Allow the auger to remain engaged for approximately 10 seconds before releasing the auger control. Repeat this several times.
5. With the engine running in the FAST position and the auger control in the disengaged "up" position, walk to the front of the machine.
6. Confirm that the auger has completely stopped rotating and shows NO signs of motion.

IMPORTANT: If the auger shows ANY signs of rotating, immediately return to the operator's position and shut off the engine. Wait for all moving parts to stop before readjusting the auger control cable as shown in the "Setup and Adjustment" section.

Clearing The Snow

CAUTION: Check the area to be cleared for foreign objects. Remove, if any.

1. Start the engine following starting instructions.
2. Allow the engine to warm up for a few minutes as the engine will not develop full power until it reaches operating temperature.
3. Rotate the chute assembly to the desired direction, away from bystanders and/or buildings.
4. Making certain no bystanders or obstacles are in front of the unit, squeeze the auger control completely against the upper handle to fully engage the augers.
5. While the auger control is engaged, squeeze the drive control completely against the upper handle to engage the wheels. Do not "feather" the drive control.
6. As the snow thrower begins to move, maintain a firm hold on the handle, and guide the snow thrower along the path to be cleared.
7. Release the auger and drive controls to stop the snow throwing action and forward motion.

NOTE: Your unit is equipped with a clutch in the transmission. If the wheels stop turning while trying to discharge large volumes of snow, immediately disengage the drive control and allow the rotating augers to discharge snow from the housing. Reduce the clearing width and continue operation.

8. On each succeeding pass, readjust the chute assembly to the desired position and slightly overlap the previously cleared path.

Operating Tips

- For most efficient snow removal, remove snow immediately after it falls.
- Discharge snow downwind whenever possible. Slightly overlap each previous path.
- Set the skid shoes 1/4-inch below the shave plate for normal usage. The skid shoes may be adjusted upward for hard-packed snow.

NOTE: It is not recommended that you operate this snow thrower on gravel as loose gravel can be easily picked up and thrown by the auger causing personal injury and/or damage to the snow thrower.

- If for some reason, you have to operate the snow thrower on gravel, keep the skid shoe in the highest position for maximum clearance between the ground and the shave plate.
- Clean the snow thrower thoroughly after each use.

Cleaning The Chute Assembly

The clean-out tool is conveniently fastened to the rear of the auger housing with a mounting clip. When snow and ice collect in the chute assembly during operation, use this tool to safely clean the chute and chute opening.

WARNING: Stop engine by moving throttle lever to stop position and wait for all moving parts to stop before using the clean-out tool.

1. Release both auger and drive controls.
2. Stop the engine by moving throttle lever to stop position.
3. Remove the clean-out tool from the clip which secures it to the rear of the auger housing.
4. Use the shovel-shaped end of the clean-out tool to dislodge and scoop any snow and ice which has formed in and near the chute assembly.

WARNING: Never use your hands to clean snow and ice from the chute assembly or auger housing.

5. Refasten the clean-out tool to the mounting clip on the rear of the auger housing.

5

Operation

WARNING

Do not over-tighten the cable. This may prevent the auger from disengaging and compromise the safety of the snow thrower.

Stop engine by moving throttle lever to stop position and wait for all moving parts to stop before using the clean-out tool.

Never use your hands to clean snow and ice from the chute assembly or auger housing.

When preparing to clear snow, be sure to check the area to be cleared for foreign objects. Remove objects, if any.

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6 Maintenance & Service

WARNING

Before lubricating, repairing, or inspecting, disengage all controls and stop engine. Wait until all moving parts have come to a complete stop. Disconnect the spark plug wire and ground it against the engine to prevent unintended starting.

NOTE: If auger continues to rotate with the control disengaged, shut off engine and re-adjust.

General Recommendations

- Always observe safety rules when performing any type of maintenance.
- The warranty on this snow thrower does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain the snow thrower as instructed in this manual.
- Periodically check all fasteners and hardware to make sure these are tight.

WARNING: Before servicing, repairing, lubricating, or inspecting, disengage all controls and stop engine. Wait until all moving parts have come to a complete stop. Disconnect spark plug wire and ground it against the engine to prevent unintended starting. Always wear safety glasses during operation or while performing any adjustments or repairs.

Replacing the Shave Plate and Skid Shoes

The shave plate and skid shoes on the bottom of the snow thrower are subject to wear. These should be checked periodically and replaced when necessary

1. To replace, remove two carriage bolts and nuts securing each skid shoe to the auger housing, See Figure 9.
2. Reassemble new skid shoes with hardware just removed. Make sure the skid shoes are adjusted to be level.
3. **To remove shave plate:** Remove both skid shoes and hardware including carriage bolts and nuts which attach shave plate to the snow thrower housing. For location of shave plate, see Figure 9.
4. Reassemble new shave plate, making sure heads of the carriage bolts are to the inside of the housing. Reinstall skid shoes. Tighten securely.

Servicing Augers

The augers are secured to the spiral shaft with four shear pins and cotter pins. If you hit a foreign object or ice jam, the snow thrower is designed so that the pins may shear. Refer to Figure 9.

If the augers do not turn, check if the pins have sheared. Replace, if needed, with proper shear pins. Refer to Parts List for correct part number.

IMPORTANT: NEVER replace the auger shear pins with standard pins or fasteners. Any damage to the auger gearbox or other components, as a result of doing so, will NOT be covered by your snow thrower's warranty.

Lubrication

1. Lubricate pivot points on the auger control and drive control with a light engine oil once a season, see Figure 10.
2. Lubricate the auger idler bracket with a light engine oil once a season.

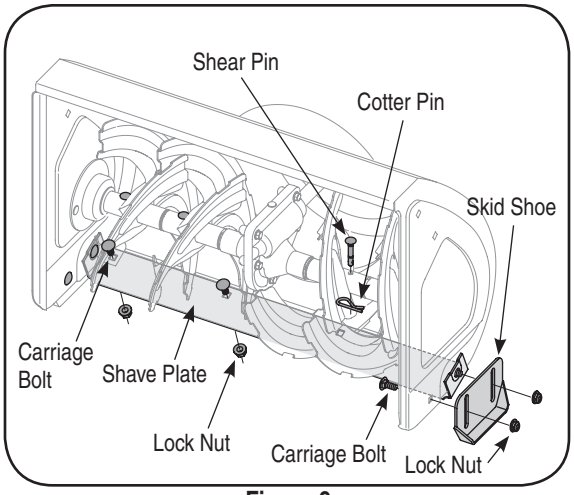

Figure 9

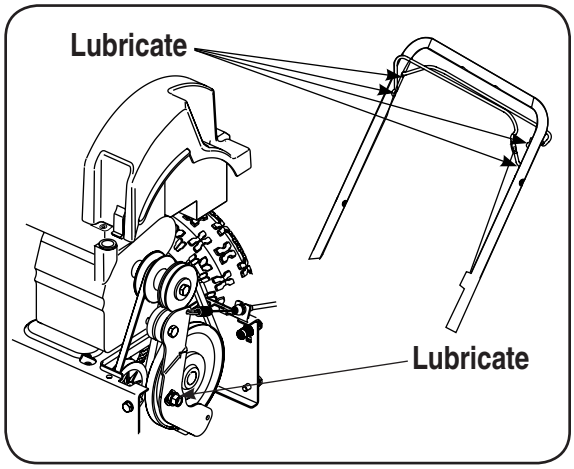

Figure 10

Engine

Listed below are general recommendations about maintaining your snow thrower engine. For further details, refer to the accompanying engine manual.

1. Before operating snow thrower, check the oil level.
2. Change engine oil after first two hours of operation and every 25 hours thereafter.
3. Clean spark plug and reset the electrode gap to 0.030" at least once a season or every 100 hours of operation; replace every 200 hours of operation.

Check V-Belts

Follow instructions below to check condition of drive belts every 50 hours of operation.

1. Remove the plastic belt cover on the front of the engine by removing the self-tapping screw and pressing the plastic tabs to release the belt cover. See Figure 11
2. Visually inspect for frayed, cracked, or excessively worn out belts. Replace, if necessary, following instructions on page 13.

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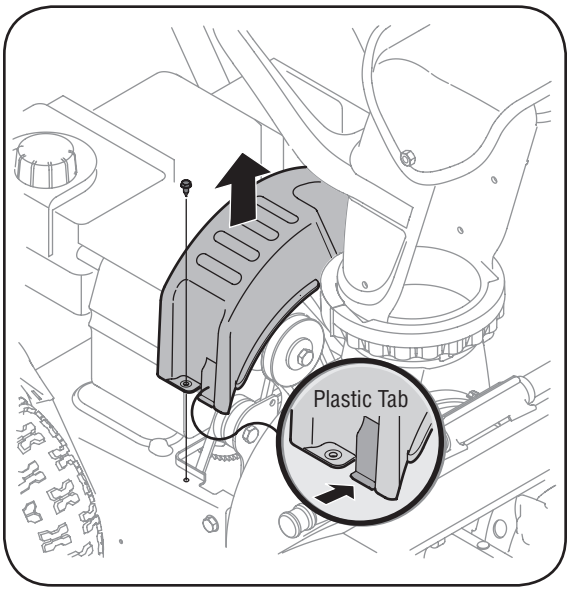

Figure 11

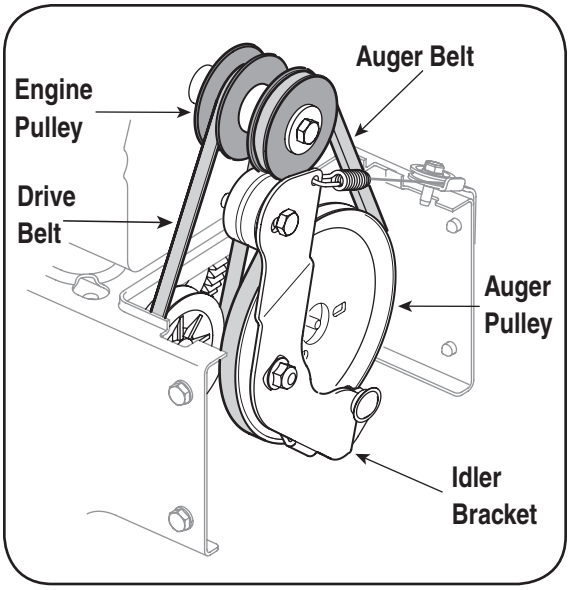

Figure 12

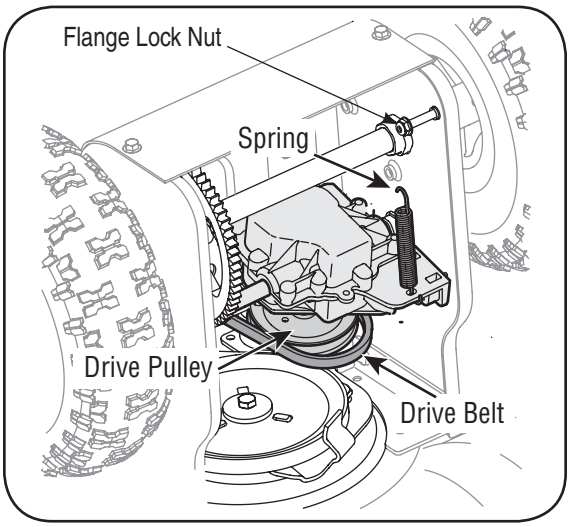

Figure 13

Replacing Belts

NOTE: There are two belts on this snow thrower: an auger belt and drive belt. It is recommended that both belts be replaced at the same time.

1. Remove the spark plug wire from spark plug and ground it against the engine to prevent accidental starting.
2. Drain gasoline from the gas tank or place a piece of plastic sheet underneath the gas cap to prevent gasoline leakage.

WARNING: Perform belt maintenance outdoors as some gas may possibly leak from the carburetor even though you placed a sheet of plastic underneath the gas cap to prevent the gas cap from leaking.

3. Remove the self-tapping screw shown in Figure 11, and press the plastic tabs to release the belt cover. Pull the belt cover up and out from around the engine and chute assembly. Set it aside and save.

Auger Belt

1. Slip the front auger belt off of the engine pulley pushing it forward and rolling in off of the pulley. See Figure 12.
2. Squeeze the auger control handle to release the auger brake, which is the tab that holds the belt onto the auger pulley. Remove the belt.
3. Replace with new belt after replacing the drive belt.

Drive Belt

NOTE: Replace the drive belt before reassembling the new auger belt.

1. Tip the snow thrower up and forward so that it rests on the auger housing.

IMPORTANT: Remember, gas could leak from the carburator at this point, the gas cap should have been covered with plastic as previously instructed.

2. Remove the spring that connects the transmission to a bolt on the engine frame. See Figure 13.

NOTE: It may be easier to first remove the flange lock nut, then use needle-nosed pliers to firmly grip spring and remove from bolt.

3. Pivot the transmission forward to release pressure on the drive belt. Remove belt from transmission pulley.
4. Remove the drive belt from around the engine pulley, and away from the unit.
5. Place the new drive belt into the groove on the engine pulley. See Figure 12.
6. Tilt the transmission forward and position the drive belt onto the transmission pulley.
7. Reconnect the spring to the bolt on the engine frame and secure the transmission. Reinstall the flange lock nut.
8. Install new auger belt.
9. Reassemble the belt cover on the snow thrower.

WARNING

Before servicing, repairing, or inspecting, disengage all controls and stop engine. Wait until all moving parts have come to a complete stop. Disconnect spark plug wire and ground it against the engine to prevent unintended starting. Always wear safety glasses during operation or while performing any adjustments or repairs.

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7

Off-Season Storage

WARNING

Never store snow thrower with fuel in tank indoors or in poorly ventilated areas, where fuel fumes may reach an open flame, spark or pilot light as on a furnace, water heater, clothes dryer or gas appliance.

Drain fuel into an approved container outdoors, away from any open flame. Be certain engine is cool. Do not smoke. Fuel left in engine during warm weather deteriorates and will cause serious starting problems.

Do not drain carburetor if using fuel stabilizer. Never use engine or carburetor cleaning products in the fuel tank or permanent damage may occur.

If the snow thrower will not be used for 30 days or longer, or if it is the end of the snow season when the last possibility of snow is gone, the equipment needs to be stored properly. Follow storage instructions below to ensure top performance from the snow thrower for many more years.

Preparing Engine

NOTE: Refer to the engine manual for more detailed information on preparing the snow thrower engine for storage.

WARNING: Never store snow thrower with fuel in tank indoors or in poorly ventilated areas, where fuel fumes may reach an open flame, spark or pilot light as on a furnace, water heater, clothes dryer or gas appliance.

NOTE: It is important to prevent gum deposits from forming in essential fuel system parts of the engine such as the carburetor, fuel filter, fuel hose, or tank during storage.

CAUTION: ***Alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.***

To avoid engine problems, the fuel system should be emptied before storage for 30 days or longer. Follow these instructions to prepare your snow thrower for storage:

WARNING: Drain fuel into an approved container outdoors, away from any open flame. Be certain engine is cool. Do not smoke. Fuel left in engine during warm weather deteriorates and will cause serious starting problems.

1. Run the engine until the fuel tank is empty and it stops due to lack of fuel.

WARNING: Do not drain carburetor if using fuel stabilizer. Never use engine or carburetor cleaning products in the fuel tank or permanent damage may occur.

NOTE: Fuel stabilizer (such as STA-BIL™ or ULTRA-FRESH™) is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow it to reach the carburetor. Do not drain carburetor if using fuel stabilizer.

2. Remove the spark plug and pour one (1) ounce of engine oil through the spark plug hole into the cylinder. Cover spark plug hole with a rag and crank the engine several times to distribute the oil. Replace spark plug.

NOTE: Refer to the engine manual for more information on preparing the snow thrower engine for storage.

Preparing Snow Thrower

- When storing the snow thrower in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.
- Remove all dirt from exterior of engine and equipment.
- Follow lubrication recommendations.
- Store equipment in a clean, dry area.

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Problem	Possible Cause(s)	Solution
Engine fails to start	1. Fuel tank empty, or stale fuel 2. Blocked fuel line 3. Key not snapped in place 4. Spark plug wire disconnected 5. Faulty spark plug 6. Engine not primed 7. Engine flooded from excessive priming	1. Fill tank with clean fresh gasoline. 2. Clean fuel line 3. Insert key. See “Ignition Key” section. 4. Connect wire to spark plug. 5. Clean spark plug, re-adjust gap, or replace. 6. Prime engine four times. 7. Wait at least ten minutes before starting.
Engine runs erratic	1. Unit running on choke 2. Fuel line blocked, or stale fuel 3. Water or dirt in fuel system 4. Carburetor out of adjustment	1. Move choke lever to OFF position. 2. Clean fuel line and fill tank with fresh, clean gasoline. 3. Refer to engine manual. 4. Refer to engine manual.
Engine overheats	1. Carburetor out of adjustment	1. Refer to engine manual.
Loss of power	1. Spark plug wire loose 2. Vent in gas cap plugged	1. Firmly connect spark plug wire. 2. Clear vent.
Excessive vibration	1. Loose parts or damaged auger	1. Stop engine immediately and disconnect spark plug wire. Check for possible damage. Tighten all bolts and nuts. Repair as needed. If the problem persists, take unit to an authorized service dealer.
Unit fails to self-propel	1. Drive belt loose or damaged	1. Replace drive belt.
Augers continue to rotate	1. Cable out of adjustment.	1. Adjust auger control cable as shown in “Adjusting Auger Cable” section.
Unit fails to discharge snow	1. Chute assembly clogged. 2. Shear pin sheared. 3. Foreign object lodged in auger. 4. Auger control cable out of adjustment. 5. Auger belt loose or damaged.	1. Stop engine and disconnect spark plug wire. Clean chute and inside of auger housing with clean-out tool or stick. 2. Replace shear pin. 3. Stop engine immediately and disconnect the spark plug wire. Remove object from auger. 4. Adjust auger control cable. 5. Replace auger belt.

NOTE: For repairs beyond the minor adjustments listed above, contact your nearest authorized service representative or call 1-800-800-7310 for the Customer Support Center. Refer to the engine manual for more engine related information.

8

Trouble-shooting

Please do NOT return the unit to the retailer from which it was purchased, without first contacting Customer Support.

Log onto www.mtdproducts.com or call a customer service representative at 1-800-800-7310.

Note: You will need the model number and serial number if and when calling Customer Support, logging onto our website and contacting a service dealer. Please refer to page 2 of this manual for information regarding locating and recording your model and serial numbers.

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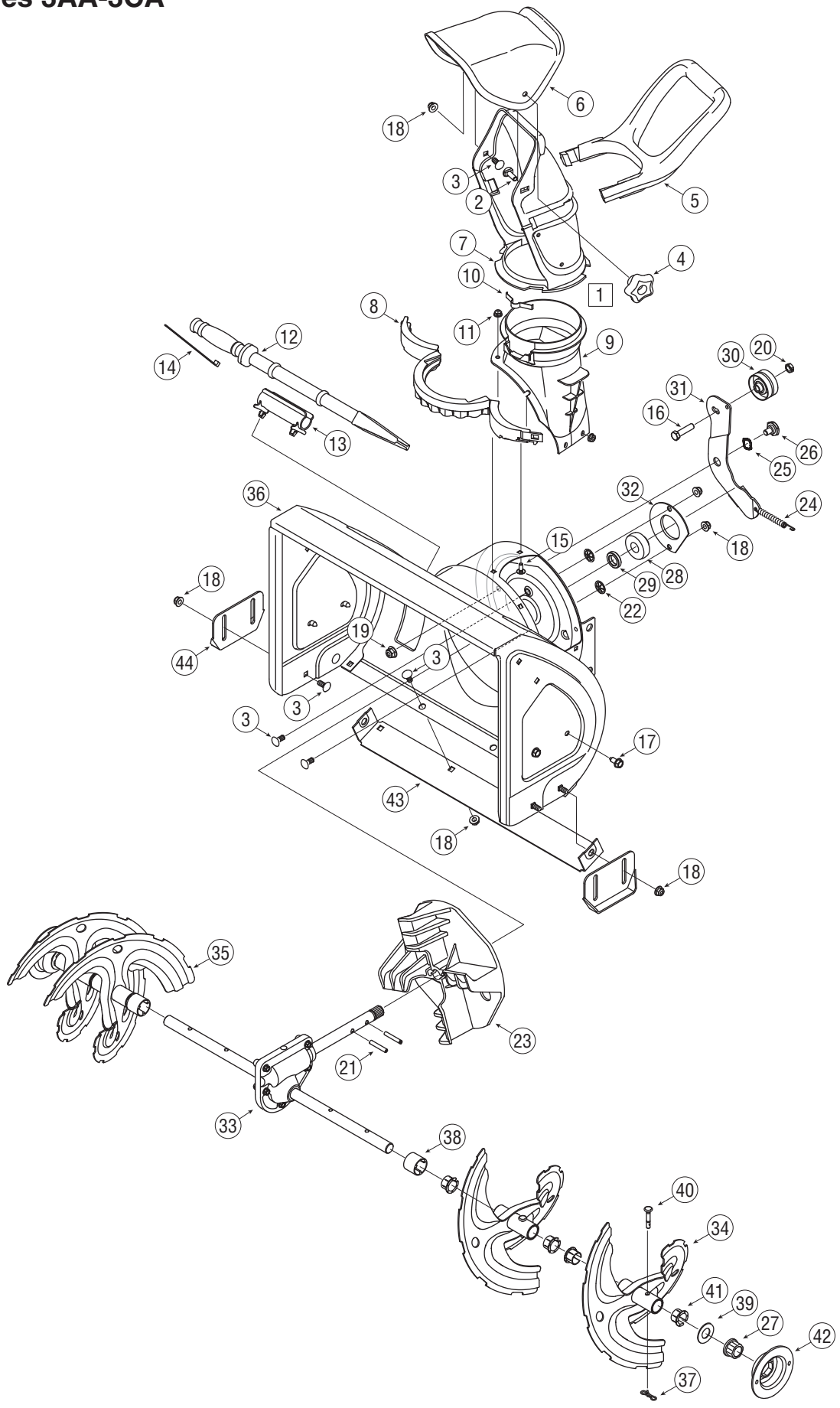
Model Series 3AA-3CA



For Parts Call 606-678-9623 or 606-561-4983

Ref. No.	Part No.	Description	Qty.
1	684-04037	Chute Assembly	1
2	710-04071	Carriage Bolt 5/16-18 x 1	1
3	710-0451	Carriage Bolt 5/16-18	11
4	720-04072	Star Knob 5/16-18 (black)	1
	720-04071	Star Knob 5/16-18 (yellow)	1
5	731-04388A	Chute Handle	1
6	731-04426A	Upper Chute	1
7	731-04127	Lower Chute	1
8	731-04353	Chute Ring	1
9	731-2636A	Chute Adapter 5" Dia.	1
10	732-04111	Chute Adjustment Spring	1
11	712-04064	Flange Lock Nut 1/4-20	5
12	731-2643	Clean-out Tool	1
13	731-2635	Clean-out Tool Mount	1
14	725-0157	Cable Tie	1
15	710-0134	Carriage Screw 1/4-20 x .62	5
16	710-0520	Hex Bolt 3/8-16 x 1.50	1
17	710-0604A	AB Screw 5/16-18 x .625	4
18	712-04063	Flange Lock Nut 5/16-18	11
19	712-04065	Flange Lock Nut 3/8-16	1
20	712-0266	Hex Lock Nut 3/8-16	1
21	715-04020	Spiral Pin	2
22	726-04012	Push On Nut	2

Ref. No.	Part No.	Description	Qty.
23	731-04218B	Impeller	1
24	732-0611	Extension Spring	1
25	736-0174	Wave Washer	1
26	738-0281	Shoulder Screw 3/8-16	1
27	741-0245	Hex Flange Bearing	2
28	741-0309	Ball Bearing	1
29	750-04191	Spacer	1
30	756-04249	Flat Idler	1
31	784-0434	Auger Idler Bracket	1
32	790-00075	Bearing Housing	1
33	618-04292	Auger Gearbox Assembly	1
34	684-04113	Auger Assembly - LH	2
35	684-04114	Auger Assembly - RH	2
36	684-04166	Auger Housing 22"	1
37	714-04040	Bow Tie Cotter Pin 72	4
38	731-04870	Spacer 1.25 x .75 x 1.00	2
39	736-0351	Flat Washer	2
40	738-04124A	Shear Pin .25 x 1.50	4
41	741-0493A	Flange Bushing	8
42	790-00087A	Hex Bearing Housing	2
43	790-00117	Shave Plate	1
44	784-5580	Skid Shoe	2

MTD GENUINE FACTORY PARTS

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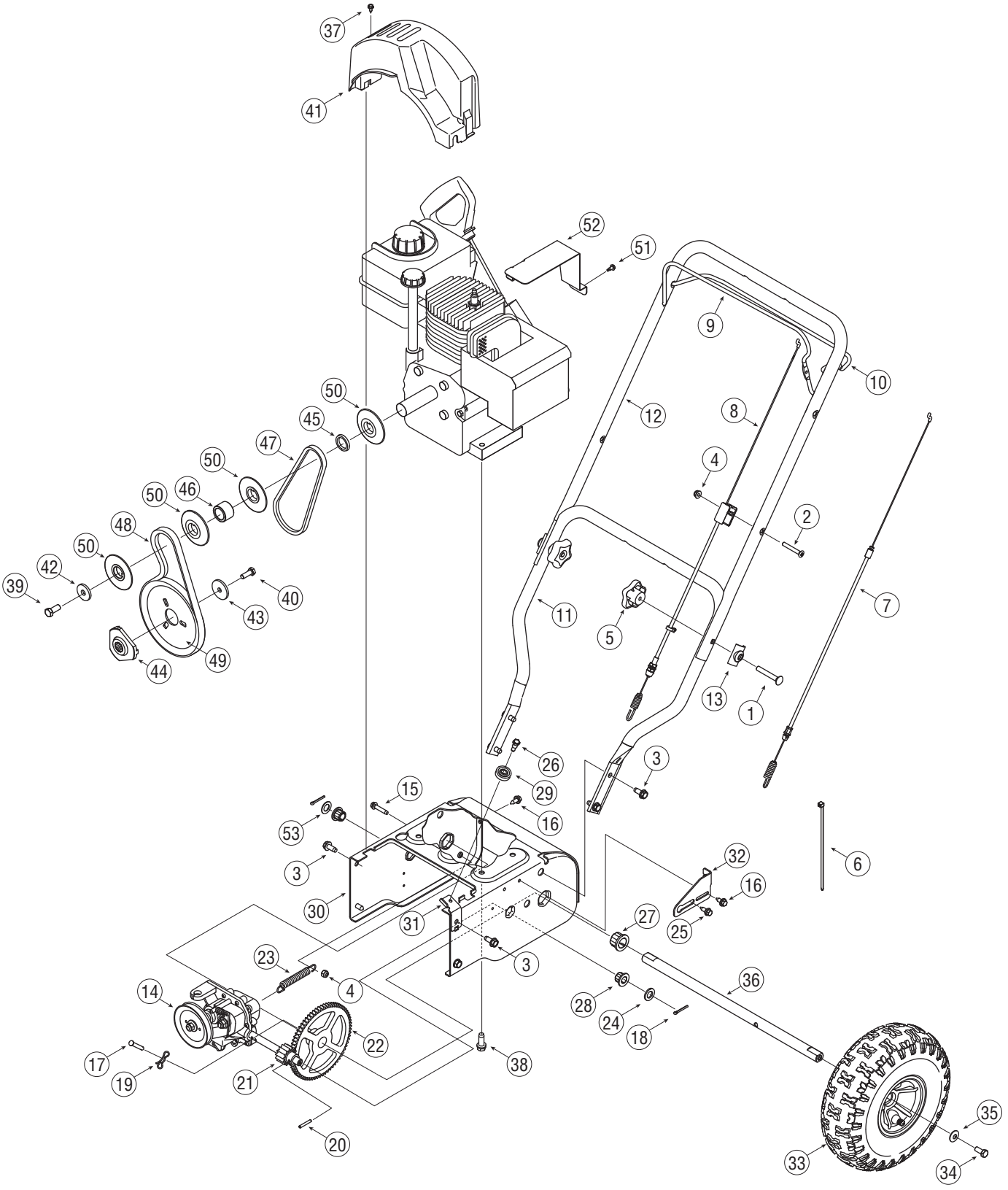
Model Series 3AA-3CA



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Ref. No.	Part No.	Description	Qty.
1	710-0449	Carriage Screw 5/16-18 x 2.25	2
2	710-0605	Mach. Screw 1/4-20 x 1.825	1
3	710-1260A	Screw 5/16-18 x .75	8
4	712-04064	Flange Lock Nut 1/4-20	2
5	720-04072	Star Knob 5/16-18	2
6	725-0157	Cable Tie	3
7	746-04256	Drive Cable	1
8	746-04236	Auger Cable	1
9	747-1161A	Auger Control	1
10	747-1214	Drive Control	1
11	749-04147	Lower Handle	1
12	749-1092A	Upper Handle	1
13	790-00053	Handle Tab	2
14	618-04296A	Transmission Assembly	1
15	710-0809	TT Screw 1/4-20 x 1.25	1
16	710-1652	Screw 1/4-20 x .625	3
17	711-1364	Clevis Pin	1
18	714-0115	Cotter Pin 1/8 x 1.0	2
19	714-04040	Bow Tie Cotter Pin 72	1
20	715-0249	Roll Pin	1
21	717-04066A	Pinion 14T	1
22	717-04073A	Gear 70T	1
23	732-0429A	Extension Spring	1
24	736-0192	Flat Washer	1
25	738-04184A	Shoulder Screw 1/4-20	1
26	738-0924A	Shoulder Screw 1/4-28	1
27	741-0245	Hex Flange Bearing	2

Ref. No.	Part No.	Description	Qty.
28	741-04108	Hex Flange Bearing	2
29	756-0625	Cable Roller	1
30	784-0419B	Drive Housing Frame	1
31	790-00223	Auger Cable Bracket	1
32	790-00224	Auger Cable Adj. Bracket	1
33	634-0232C	Wheel Assy Snow Hog Gray	2
34	710-0627	Lock Bolt 5/16-24 x .75	2
35	736-0242	Bell Washer .34 x .872 x .06	2
36	738-1231	Axle	1
37	710-0224	Hex Screw #10-16 x .500	1
38	710-0654A	TT Sems Screw 3/8-16 x 1.0	4
39	710-0696	Hex Bolt 3/8-24 x .875	1
40	710-1245B	Lock Bolt 5/16-24 x .875	1
41	731-04162A	Belt Cover	1
42	736-0247	Flat Washer .406 ID x 1.25 OD	1
43	736-0505	Flat Washer .34 ID x 1.50 OD	1
44	748-04067	Pulley: Adapter .75 Dia.	1
45	750-1355	Spacer .876 x 1.25 x .19	1
46	750-1356	Spacer .876 x 1.25 x .86	1
47	754-04013	V-Belt 3/8 x 21.108 Lg.	1
48	754-04014	V-Belt 3/8 x 26.680 Lg.	1
49	756-04024	Auger Pulley	1
50	756-0569	Pulley Half	4
51	710-0456	Screw #10-16 x .500	1
52	790-00064	Heat Shield	1
53	736-0160	Flat Washer .53 x .93 x .05	1

9

Parts List

MTD For A Growing World GENUINE FACTORY PARTS

To order replacement parts, please call 1-800-800-7310 or visit us on the web at www.mtdproducts.com

www.mymowerparts.com

For Parts Call 606-678-9623 or 606-561-4983

MANUFACTURER'S LIMITED WARRANTY FOR

The limited warranty set forth below is given by MTD LLC with respect to new merchandise purchased and used in the United States, its possessions and territories.

"MTD" warrants this product against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster. Damage resulting from the installation or use of any part, accessory or attachment not approved by MTD for use with the product(s) covered by this manual will void your warranty as to any resulting damage.

Normal wear parts are warranted to be free from defects in material and workmanship for a period of thirty (30) days from the date of purchase. Normal wear parts include, but are not limited to items such as: batteries, belts, blades, blade adapters, grass bags, rider deck wheels, seats, snow thrower skid shoes, shave plates, auger spiral rubber and tires.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE, through your local authorized service dealer. To locate the dealer in your area, check your Yellow Pages, or contact MTD LLC at P.O. Box 361131, Cleveland, Ohio 44136-0019, or call 1-800-800-7310 or 1-330-220-4683 or log on to our Web site at www.mtdproducts.com.

This limited warranty does **not** provide coverage in the following cases:

a. The engine or component parts thereof. These items may carry a separate manufacturer's warranty. Refer to applicable manufacturer's warranty for terms and conditions.

b. Log splitter pumps, valves, and cylinders have a separate one year warranty.

c. Routine maintenance items such as lubricants, filters, blade sharpening, tune-ups, brake adjustments, clutch adjustments, deck adjustments, and normal deterioration of the exterior finish due to use or exposure.

d. Service completed by someone other than an authorized service dealer.

e. MTD does not extend any warranty for products sold or exported outside of the United States, its possessions and territories, except those sold through MTD's authorized channels of export distribution.

f. Replacement parts that are not genuine MTD parts.

g. Transportation charges and service calls.

No implied warranty, including any implied warranty of merchantability of fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product, shall bind MTD. During the period of the warranty, the exclusive remedy is repair or replacement of the product as set forth above.

The provisions as set forth in this warranty provide the sole and exclusive remedy arising from the sale. MTD shall not be liable for incidental or consequential loss or damage including, without limitation, expenses incurred for substitute or replacement lawn care services or for rental expenses to temporarily replace a warranted product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. **Alteration of safety features of the product shall void this warranty.** You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the misuse or inability to use the product. This limited warranty shall not extend to anyone other than the original purchaser or to the person for whom it was purchased as a gift.

HOW STATE LAW RELATES TO THIS WARRANTY: This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT: Owner must present Original Proof of Purchase to obtain warranty coverage.

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019; Phone: 1-800-800-7310, 1-330-220-4683

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