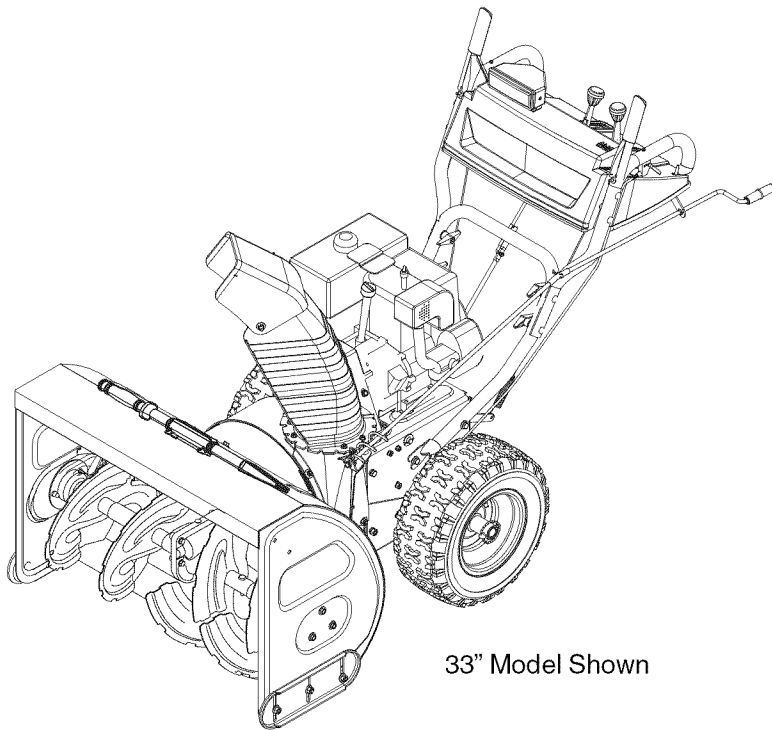




# Operator's Manual



33" Model Shown

## Two Stage Snow Thrower

**IMPORTANT:** Read safety rules and instructions carefully before operating equipment.

**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.

**For US Customers: MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019**

**For Canadian Customers: MTD Products Ltd., P. O. BOX 1386, KITCHENER, ONTARIO N2G 4J1**

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## FINDING MODEL NUMBER

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



**Before you start assembling your new snow thrower**, please locate the model plate on the equipment and copy the information from it in the space provided below. The information on the model plate is very important if you need help from our Customer Support Department or an authorized dealer.

- You can locate the model number by standing behind the unit in the operating position and looking down at the dash panel . A sample model plate is explained below. For future reference, please copy the model number and the serial number of the equipment in the space below.

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Model Number Numéro de modèle</th> <th style="text-align: left; padding: 2px;">Serial Number Numéro de série</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">XXXXXXXXXX</td> <td style="text-align: center; padding: 5px;">XXXXXXXXXX</td> </tr> </tbody> </table> <div style="margin-top: 10px;"> <div style="display: inline-block; vertical-align: middle; font-size: small; margin-left: 5px;">                     MTD LLC                      CLEVELAND, OH 44136                      MTD PRODUCTS LIMITED                      KITCHENER, ON N2G 4J1                 </div> </div> <div style="margin-top: 5px; font-size: x-small;"> <table border="0" style="width: 100%;"> <tr> <td>USA - <a href="http://www.mtdproducts.com">www.mtdproducts.com</a></td> <td>1-800-800-7310</td> </tr> <tr> <td>CAN - <a href="http://www.mtdcanada.com">www.mtdcanada.com</a></td> <td>1-800-668-1238</td> </tr> </table> </div>	Model Number Numéro de modèle	Serial Number Numéro de série	XXXXXXXXXX	XXXXXXXXXX	USA - <a href="http://www.mtdproducts.com">www.mtdproducts.com</a>	1-800-800-7310	CAN - <a href="http://www.mtdcanada.com">www.mtdcanada.com</a>	1-800-668-1238	<p><b>Copy the model number here:</b> _____</p> <p><b>Copy the serial number here:</b> _____</p>
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CAN - <a href="http://www.mtdcanada.com">www.mtdcanada.com</a>	1-800-668-1238								

## ENGINE INFORMATION

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.

## CALLING 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, please call a Customer Support Representative.

**For US Customers: 1- (330) 220-4MTD (4683) or 1- (800)-800-7310**

**For Canadian Customers: 1-800-668-1238**

Please have your unit's model number and serial number ready when you call. See previous section to locate this information. You will be asked to enter the serial number in order to process your call.

---

## SECTION 1: IMPORTANT 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.**



**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.
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 5 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 5 minutes before storing.

### Preparation

1. Thoroughly inspect the area where the equipment is to be used. Remove all door mats, 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 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 the control handle before starting the engine.
7. Never attempt to make any adjustments while engine is running, except where specifically recommended in the

### Operation

1. Do not put hands or feet near rotating parts, in the auger housing or discharge chute. Contact with the rotating parts can amputate hands and feet.
2. The auger control handle is a safety device. Never bypass its operation. Doing so, makes the machine unsafe and may cause personal injury.
3. The control handle must operate easily in both directions and automatically return to the disengaged position when released.
4. Never operate with a missing or damaged discharge chute. 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. To avoid 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.
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 in reverse.
16. If the machine should start to vibrate abnormally, stop the engine, disconnect the spark plug and ground it against the engine. Inspect thoroughly for damage. Repair any damage before starting and operating.
17. Disengage the control handle and stop engine before you leave the operating position (behind the handles). Wait until the auger comes to a complete stop before unclogging the discharge chute, making any adjustments, or inspections.
18. Never put your hand in the discharge or collector openings. Always use a clearing tool to unclog the discharge opening.
19. Use only attachments and accessories approved by the manufacturer.
20. If situations occur which are not covered in this manual, use care and good judgment. Call customer assistance for the name of your nearest servicing dealer.



## Maintenance And Storage

1. Never tamper with safety devices. Check their proper operation regularly.
2. Disengage the control handle and stop 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 before cleaning, repairing, or inspecting.
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 (O.E.M.) 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.

## 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.



## SECTION 2: ASSEMBLING YOUR SNOW THROWER

**NOTE:** This Operator's Manual covers several models. **Snow thrower features vary by model.** Not all features discussed in this manual are applicable to all snow thrower models.

### Loose Parts

- The augers are secured to the auger shaft with two shear pins and bow tie cotter pins. If you hit a foreign object or ice jam, the snow thrower is designed so that the pins may shear. Two replacement shear pins and cotter pins are provided for your convenience. See Figure 1. Store these safely until needed.

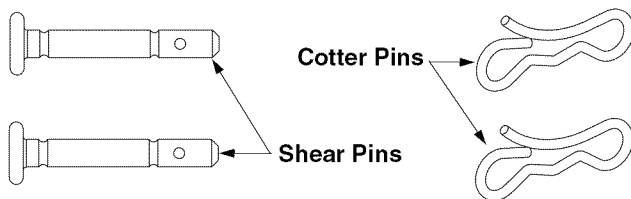


Figure 1

**IMPORTANT:** NEVER replace the auger shear pins with standard hex bolts. Any damage to the auger gearbox or other components from using standard bolts will not be covered by your snow thrower's warranty.

### Items Required For Assembly

1. Pair of pliers
2. Engine oil
3. Fresh gasoline

### Before Assembly

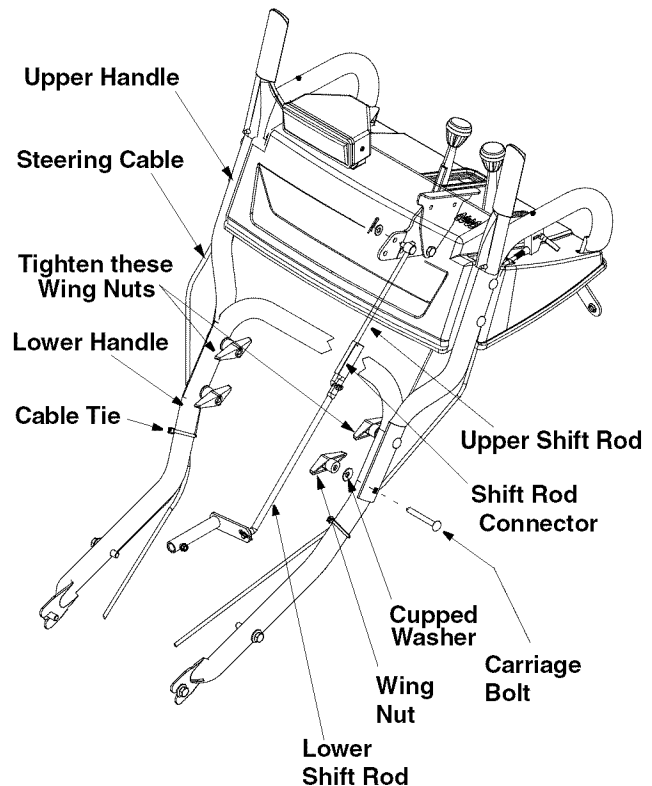


**WARNING:** Disconnect the spark plug wire and ground it against the engine to prevent unintended starting.

**NOTE:** Reference to the right hand or left hand side of machine are observed from the operating position.

### Assembling Handle

- Remove the **lower** plastic wing nut, cupped washer and carriage bolt from each side of the lower handle. See Figure 2.
- Raise the upper handle assembly until it locks over the lower handle.
- Look at the lower rear of the snow thrower frame to be sure all the cables are aligned with the cable roller guides. Make sure the spring (found at the end of each cable) is attached to its actuator bracket.



**NOTE:** Support Tubes are omitted from the illustration for clarity.

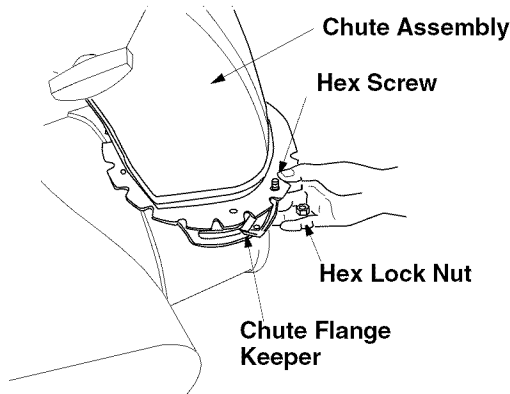
Figure 2

- Secure the upper handle and lower handle with the two plastic wing nuts, cupped washers and carriage bolts previously removed.
- Tighten the two wing nuts already in place on the upper holes and secure the handles firmly.
- Slide the shift rod connector down over the end of the lower shift rod. Tap the connector until it **locks** over the lower shift rod. See Figure 2.

**NOTE:** If the connector is not properly assembled, the shift rod will pivot and you will not be able to change speeds or direction.

## Attaching the Chute Assembly

**NOTE:** Your chute assembly may or may not be assembled. If it requires assembly use the following instructions.

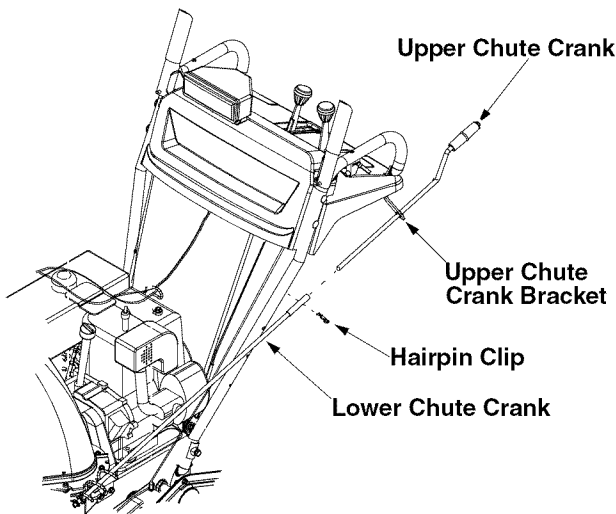


**Figure 3**

- Place chute assembly over chute opening, with the opening in the chute assembly facing the front of the unit. Place chute flange keepers beneath lip of chute assembly, with the flat side of chute flange keeper facing downward.
- Insert hex cap screws up through chute flange keeper and chute assembly as shown in Figure 3. Secure with hex flange locknuts. Tighten with two 7/16" wrenches. Do not over tighten.

## Attaching Chute Crank

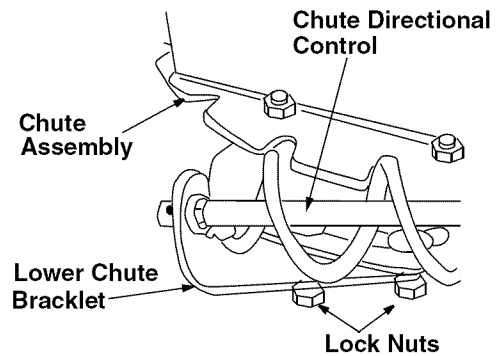
- Remove the hairpin clip from the upper chute crank and slide the upper chute crank through the upper chute crank bracket and into the lower chute crank. A pair of pliers may help in this job.



**Figure 4**

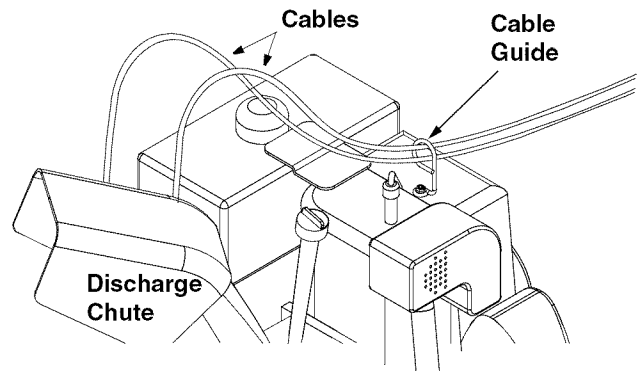
- Align the two holes on both chute cranks and secure with the hairpin clip removed earlier. See Figure 4.

- With the hex nuts loosened on the lower chute crank bracket (see Figure 5) adjust the bracket so that the spiral on the chute crank fully engages the teeth on the chute assembly. Tighten the nuts on the lower chute crank bracket securely.



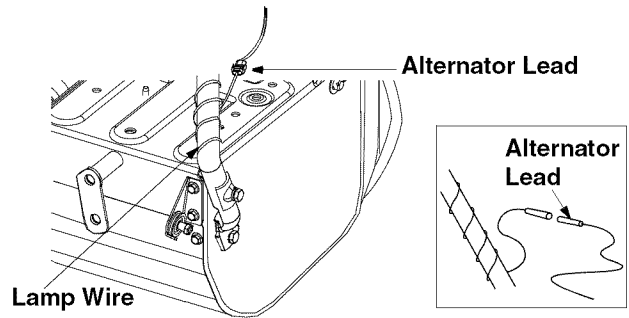
**Figure 5**

- The cable ties normally are loosely installed on each side of the lower handle at the factory. Pull the cable ties tight to secure. Trim excess from the ends of cable ties.
- If not already attached, slip the cables that run from the handle panel to the discharge chute into the cable guide located on top of the engine. See Figure 6.



**Figure 6**

- Wrap the wire from the head lamp down the right handle until the wire can be plugged into the alternator lead wire under the fuel tank.



**NOTE:** Wheels are omitted from illustration for clarity.

**Figure 7**

## Chute Clean-Out Tool

- The chute clean-out tool is conveniently fastened to the rear of the auger housing with a mounting clip. Use the clean-out tool to clear snow and ice which may lodge in the discharge chute during operation. Refer to the Operation section for more detailed information regarding the chute clean-out tool.

## Final Adjustments

Make these final adjustments **before** operating your snow thrower for the first time. Failure to follow these instructions may cause damage to the snow thrower.

### Wheel Drive Control & Shift Lever

Perform the following test to determine need for adjustment:

- Move the shift lever into sixth (6) position. See Figure 11.
- With the drive control released, push the snow thrower forward, then pull it back. The machine should move freely.
- Engage the drive control and attempt to move the machine both forward and back, resistance should be felt.
- Move the shift lever into the fast reverse (R2) position and repeat the previous two steps.

If you experienced resistance rolling the unit, either when repositioning the shift lever from 6 to R2 or when attempting to move the machine with the drive control released, adjust the drive control immediately. To adjust, proceed as follows:

- Loosen the jam nut on the traction control cable and unthread the cable one full turn.
- Recheck adjustment.
- Retighten the jam nut to secure the cable when correct adjustment is reached.

**NOTE:** For more details, refer to *Wheel Drive Control Adjustment in the Adjustment Section of this manual.*

### Auger Control

Check the adjustment of the auger control as follows:

- When the auger control is released and in the disengaged “up” position, the cable should have very little slack, but should NOT be tight. See Figure 8.

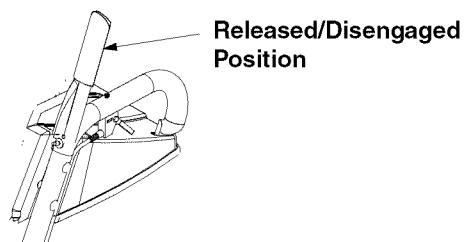


Figure 8



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

- In a well-ventilated area, start the snow thrower engine as instructed on page 10. Make sure the throttle is set in the fast position.
- While standing in the operator’s position (behind the snow thrower) engage the auger.
- Allow the auger to remain engaged for approximately ten seconds before releasing the auger control. Repeat this several times.
- With the engine running in the fast position and the auger control lever in the disengaged “up” position, walk to the front of the machine.
- 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.

- To readjust the control cable, unhook the spring (found on the end of the auger cable) from the auger actuator bracket. See Figure 9.
- Push the cable coupler through the end of the spring to expose the lock nut. See Figure 10.
- Thread the lock nut outward (down the coupler) three full turns to provide more slack in the cable and reattach the spring to the bracket.
- Repeat auger control test to verify for proper adjustment. Repeat previous steps to adjust more, if necessary.

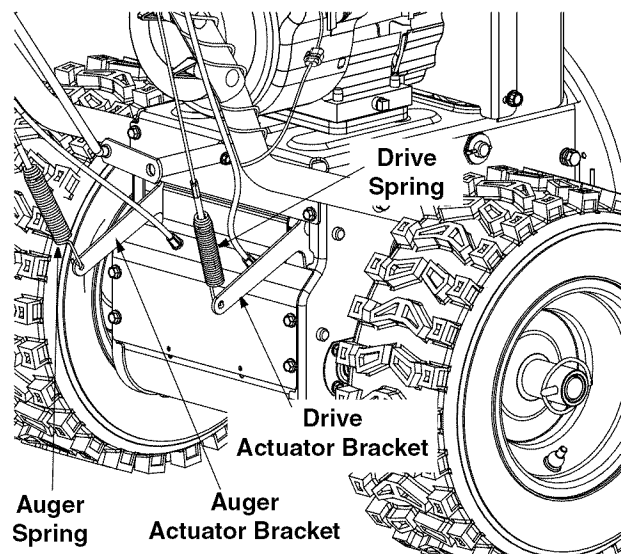


Figure 9

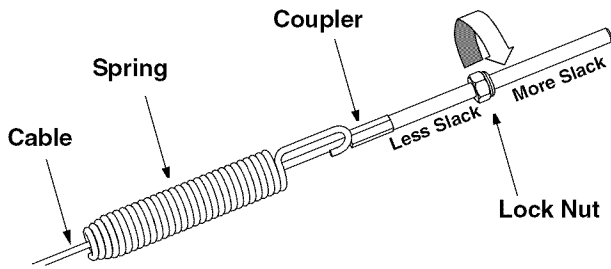


Figure 10

### Tire Pressure (Pneumatic Tires)

The tires are overinflated for shipping purposes.

- Check tire pressure. Maintain pressure between 10 and 14 psi.

**NOTE:** If the tire pressure is not equal in all tires, the unit may pull to one side or the other.



**WARNING:** Maximum tire pressure under any circumstance is 30 psi. Equal tire pressure should be maintained at all times. Excessive pressure (over 30 psi) when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

## SECTION 3: KNOWING YOUR SNOW THROWER



**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 the Figure below with your equipment and be familiar with its controls before starting it.

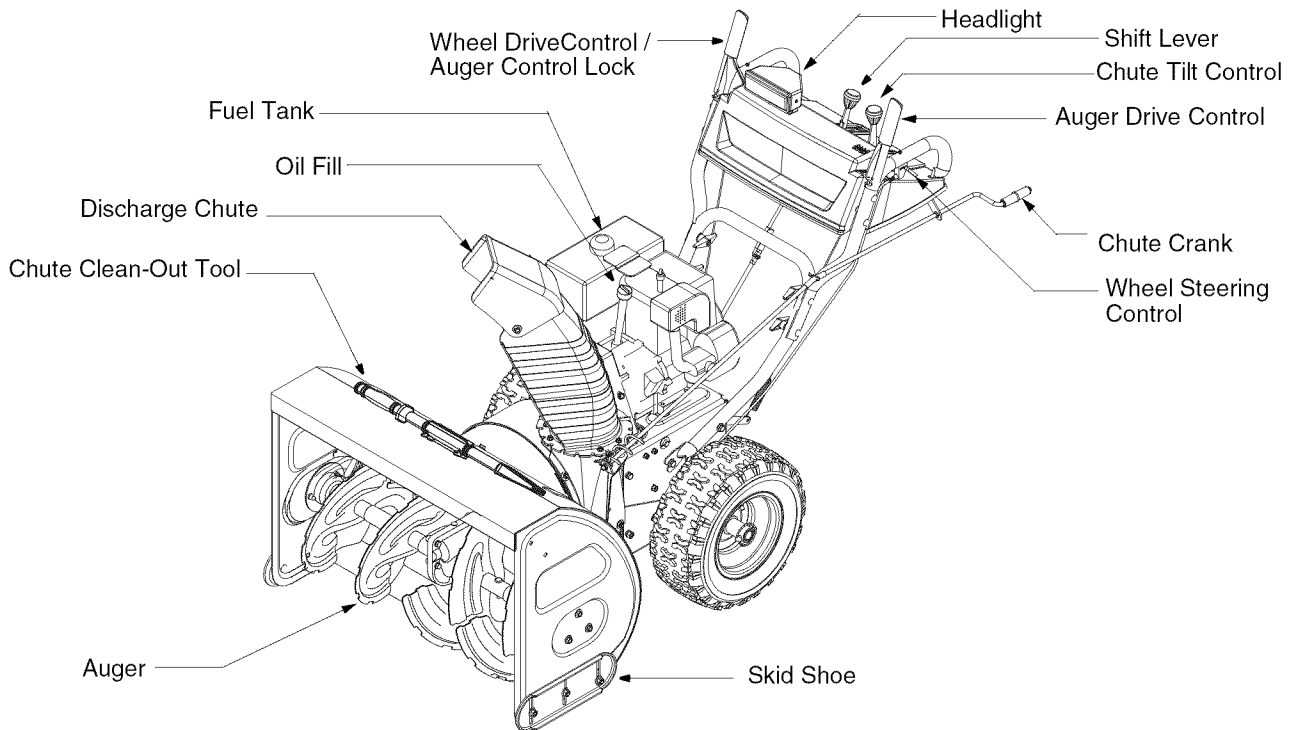


Figure 11

### Drive Control / Auger Control Lock

The drive control is located on the right handle. Squeeze the drive control to engage the wheel drive. Release to stop.

This same lever also locks the auger control so you can operate the chute crank without interrupting the snow throwing process. If the auger control is engaged

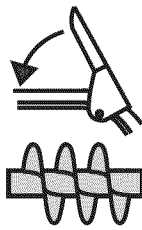
simultaneously with the drive control, the operator can release the auger control (on the left handle) and the augers will remain engaged. Release the drive control to stop the augers and wheel drive (the auger control must also be released).

**IMPORTANT:** Always release the drive control before changing speeds.



### Auger Control

The auger control is located on the left handle. Squeeze the auger control to engage the augers. Release to stop the snow throwing action. The drive control must also be released in order to stop auger.



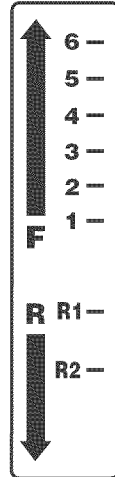
### Shift Lever

The shift lever is located in the center of the handle panel and is used to determine ground speed and direction of travel. It can be moved into any of eight positions.

**IMPORTANT:** Always release drive control before changing speeds.

**Forward:** The snow thrower has six forward (F) speeds. Position one (1) is the slowest and position six (6) is the fastest.

**Reverse:** The snow thrower has two reverse (R) speeds—R1 is the slower of the two.



### Discharge Chute

The angle of the discharge chute controls the distance that the snow is thrown. Tilt the discharge chute up for greater distance; tilt down for less distance.

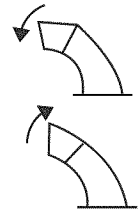
### Chute Crank

The chute crank is located on the left side of the snow thrower. Use it to change the direction in which snow is thrown. Avoid targetting persons, animals or cars and buildings.



### Chute Tilt Control

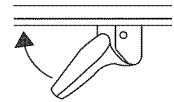
The distance snow is thrown can be changed by adjusting the angle of the chute assembly. Move the chute tilt control forward to decrease the distance, toward the rear to increase.



### Wheel Steering Controls

The left and right wheel steering controls are located on the underside of the handles.

- Squeeze the right control to turn right; squeeze the left control to turn left.



**NOTE:** Operate the snow thrower in open areas until you are familiar with these controls.

### Skid Shoe

The skid shoe position is determined by the condition of the ground from where snow has to be removed. Higher the snow level, lower will be the skid shoe. Adjust it accordingly.

### Headlight

The headlight is on whenever the engine is running.

### Throttle Control

The throttle control is located on the engine. It regulates the speed of the engine.

### Safety Ignition Key

The safety ignition key must be fully inserted in the switch before the unit will start. Remove key when snow thrower is not in use. Do not attempt to turn the key.

### Chute Clean-Out Tool

The chute clean-out tool is designed to clear a clogged discharge chute. Refer to page 11 for instructions on it.



**WARNING:** Never use your hand to clear a clogged discharge chute. Shut off engine and remain behind handles until all moving parts have stopped before unclogging.

## SECTION 4: OPERATING YOUR SNOW THROWER

### Before Starting

Read and understand all instructions and warnings on the machine and in this manual **before** operating.

### Gas & Oil Fill-Up

- Service the engine with gasoline and oil as instructed in the separate engine manual shipped with the snow thrower.



**WARNING:** Use extreme care when handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Never fuel machine indoors or while the engine is hot or running. Extinguish cigarettes, cigars, pipes or other sources of ignition.

### To Start Engine

**NOTE:** If unit shows any sign of motion (drive or augers) with the clutch grips disengaged, shut engine off immediately. Readjust as instructed in the Final Adjustments in the Assembly Section.

- Attach spark plug wire to spark plug.
- Make certain the auger and drive clutch levers are in the disengaged (released) position. See Figure 6.
- Move throttle control up to FAST position.
- Insert ignition key into slot. Be certain it snaps into place. **Do not turn key.**

**NOTE:** Engine will not start unless ignition key is inserted into ignition slot in carburetor cover.

### Electric Starter (optional)



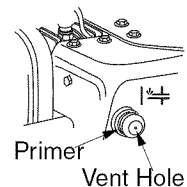
**WARNING:** The electric starter is equipped with a grounded three-wire power cord and plug and is designed to operate on 120 volt AC household current. It must be used with a properly grounded three-prong receptacle at all times to avoid the possibility of electric shock. Follow all instructions carefully prior to operating the electric starter.

- Determine that your house wiring is a three-wire grounded system. Ask a licensed electrician if you are not certain.  
**If your house wiring system is not a three-wire grounded system,** do not use this electric starter under any conditions.  
**If your home electrical system is grounded, but a three-hole receptacle is not available,** one should be installed by a licensed electrician before

using the electric starter.

**If you have a grounded three-prong receptacle,** proceed as follows:

- Connect power cord to switch box on engine. Plug the other end of power cord into a three-hole, grounded 120 volt AC receptacle.
- Rotate choke knob to ON position.
- Push primer button three times, as instructed in the engine manual, making sure to cover vent hole when pushing.
- Push starter button on top of the engine to crank engine. As you crank the engine, move choke knob to FULL choke position.
- When engine starts, release starter button, and move choke gradually to OFF. If engine falters, move choke immediately to FULL and then gradually to OFF.
- When disconnecting the power cord, always unplug from the three-prong receptacle first and then from the snow thrower.



### Recoil Starter

- Rotate choke knob to FULL choke position (cold engine start). If engine is warm, place choke in OFF position instead of FULL.
- Push primer button two or three times. If engine is warm, push primer button once only. Always cover vent hole in primer button when pushing. At temperatures below 15°F, additional priming may be necessary.
- Grasp starter handle and pull rope out slowly, until it pulls slightly harder. Let rope rewind slowly.
- Pull starter handle rapidly. Do not allow handle to snap back. Allow it to rewind slowly while keeping a firm hold on the starter handle.
- Repeat the previous steps until engine starts.

### To Stop Engine

- Run engine for a few minutes before stopping to help dry off any moisture on the engine.
- To prevent possible freeze-up of starter:  
**Electric Starter:** Connect power cord to switch box on engine, then to 120 volt AC receptacle. With the engine running, push starter button and spin the starter for several seconds. The unusual sound made by spinning the starter will not harm engine or starter. Disconnect the power cord from receptacle first, and then from switch box.  
**Recoil Starter:** With engine running, pull starter rope with a rapid, continuous full arm stroke three or four times. Pulling the starter rope will produce a

loud clattering sound, which is not harmful to the engine or starter.

- Move throttle control to “stop” or “off” position.
- Remove ignition key. Do not turn key. Disconnect the spark plug wire from the spark plug to prevent accidental starting while equipment is unattended.

**NOTE:** *Keep key in a safe place. Engine will not start without ignition key.*

- Wipe all snow and moisture from the carburetor cover in the area of the control levers. Also, move control levers back and forth several times.

## To Engage Wheel Drive

- With the engine running near top speed, move shift lever to one of the eight positions to set desired speed and direction. Select speed appropriate for the snow conditions that exist.

**NOTE:** *Use slower speeds in higher snow and/or until you are familiar with the snow thrower operation.*

- Squeeze wheel drive control against the right handle to move the snow thrower; release it to stop.

**IMPORTANT:** NEVER move the shift lever without first releasing the wheel drive control. Doing so will cause premature wear on the drive system’s friction wheel.

## To Engage Augers

- To engage augers and start snow throwing, squeeze the auger control against the left handle.
- To disengage power to the augers, release both the auger control and the wheel drive control, if engaged.

## Operating Tips

**NOTE:** *Allow the engine to warm up for a few minutes. The engine will not develop full power until it reaches operating temperature.*



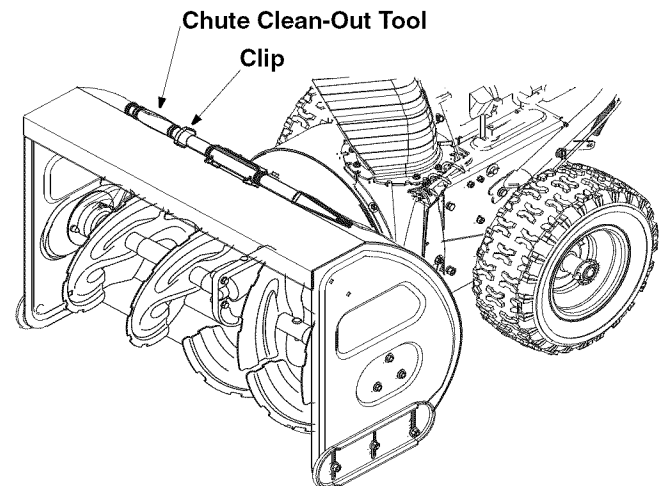
**WARNING:** The temperature of the muffler and the surrounding areas may exceed 150°F (65°C). Avoid these areas.

- If possible, remove snow immediately after it falls.
- Discharge snow downwind whenever possible.
- Slightly overlap each previous path.
- Set the skid shoes 1/4" below the shave plate for normal usage. Adjust it upward for hard-packed snow and downward when using on gravel or crushed rock.

## Chute Clean-Out Tool

The chute clean-out tool is conveniently fastened to the rear of the auger housing with a mounting clip. **Never** use your hand to clean a clogged chute or chute opening; use this clean-out tool instead.

- Release both the wheel drive control and the auger drive control levers.
- Stop the engine by removing the ignition key.
- Remove the chute clean-out tool from the clip which secures it to the rear of the auger housing. See Figure 12.
- Use the shovel-shaped end of the clean-out tool to remove any snow and ice in the discharge chute.
- Re-fasten the clean-out tool to the mounting clip on the rear of the auger housing and restart engine.
- While standing in the operator’s position (behind the snow thrower), engage the auger clutch lever for a few seconds to clear any remaining snow or ice from the discharge chute before continuing to clear snow.



**Figure 12**

## SECTION 5: MAKING ADJUSTMENTS



**WARNING:** NEVER attempt to clean chute or make any adjustments while engine is running.

### Shift Rod

- Remove the hairpin clip and flat washer from the shift handle under the handle panel. See Figure 13.
- Place shift lever in sixth (6) position or fastest forward speed.
- Push shift arm assembly down as far as it will go.
- Rotate the ferrule up or down on the shift rod as necessary until the ferrule lines up with the upper hole in the shift lever. See Figure 13.
- Insert ferrule from the left side of the snow thrower into the upper hole.
- Reinstall the hairpin clip and the washer.

**IMPORTANT:** Before operating the snow thrower, make sure the shift rod is adjusted according to instructions on page 7.

**NOTE:** For adjustment of auger control, skid shoe and chute assembly, refer to Final Adjustments in Section 2.

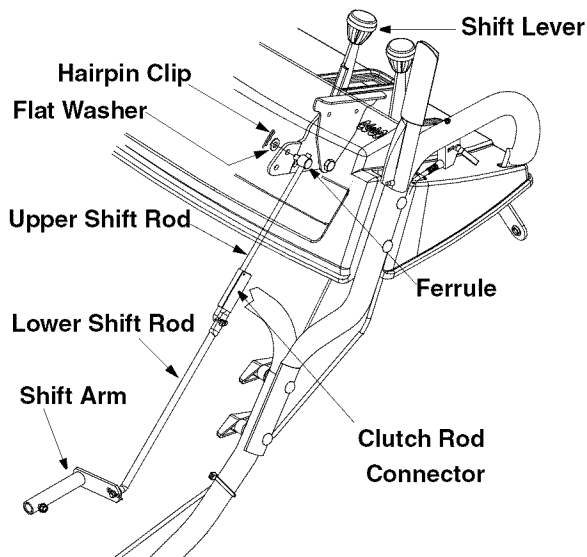


Figure 13

### Wheel Drive Control

If you are uncertain about correct adjustment, proceed as follows:

- Drain the gasoline out of your snow thrower's engine, and place a piece of plastic film under the gas cap to avoid spillage.

- Tip the snow thrower forward, allowing it to rest on the auger housing.
- Remove the frame cover underneath the snow thrower by removing six self-tapping screws.
- With the wheel drive control released, check if there is clearance between friction wheel and drive plate in all positions of the shift lever. See Figure 14.
- With the traction control lever engaged, check if the friction wheel solidly contacts the drive plate. See Figure 14. If not, adjust as follows:
- Loosen the jam nut on the traction drive cable and thread the cable in or out as necessary.
- Retighten the jam nut to secure the cable when correct adjustment is reached.
- Reassemble the frame cover.
- If you placed plastic film under the gas cap earlier, remove it now..

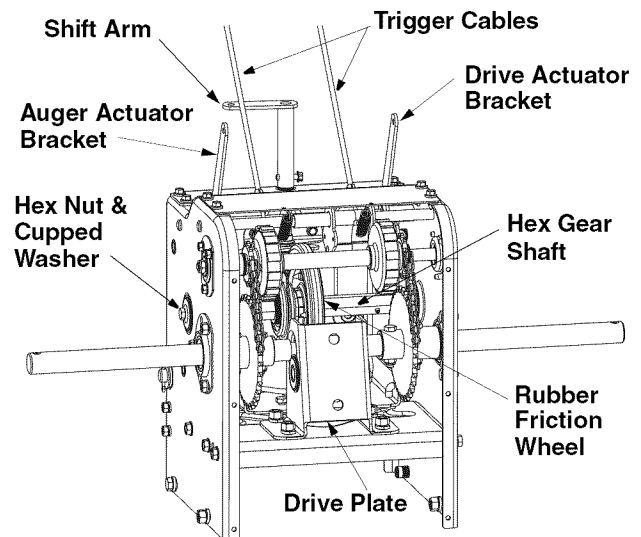


Figure 14

### Auger Control

Refer to instructions on page 7 to adjust the auger control. Make certain to check for correct adjustment as instructed before operating the snow thrower.

### Chute Assembly

The distance snow is thrown can be adjusted by adjusting the angle of the chute assembly. Refer to page 9 for instructions.

The remote chute control cables have been pre-adjusted at the factory. Move the remote chute lever on the control panel back and forward to adjust angle of the chute assembly.

## Skid Shoe

The space between the shave plate and the ground can be adjusted by raising or lowering the skid shoes.

For close snow removal, as when using on a smooth concrete or asphalt driveway, place the skid shoes in the low position. Use the middle or high position when the area to be cleared is uneven. When operating on gravel, always put skid shoes in the high position. See Figure 15.

Adjust skid shoes as follows:

- Loosen, but do not remove, the hex flange locknuts which fasten the skid shoe to the auger housing.
- Raise or lower the skid shoe to desired position.
- Retighten the hex nuts loosened earlier.

**NOTE:** Make certain the bottom surface of skid shoe is flat against the ground to avoid uneven wear.

- Repeat on the other side of the snow thrower.

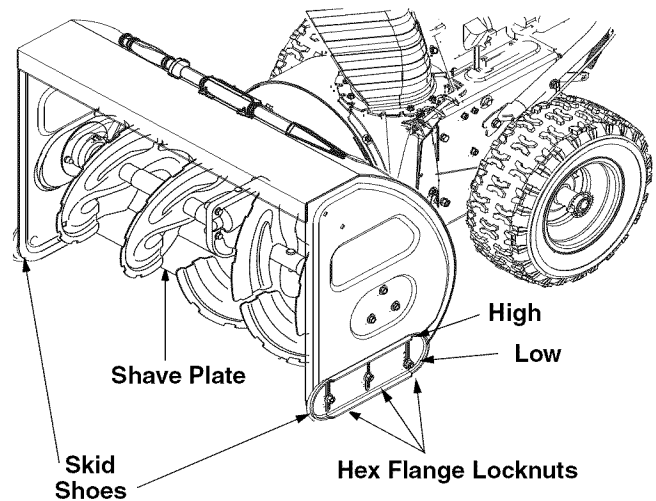


Figure 15

## SECTION 6: MAINTAINING YOUR SNOW THROWER



**WARNING:** Before lubricating, repairing, or inspecting, disengage all clutch levers 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.

### General Recommendations

- Always observe safety rules when performing any 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.
- Some adjustments will have to be made periodically to maintain your unit properly.
- Periodically check all fasteners and hardware to make sure these are tight.

### Lubrication

#### Drive and Shifting Mechanism

- At least once a season or after every 25 hours of operation, remove rear cover. Lubricate any chains, sprockets, gears, bearings, shafts, and the shifting mechanism at least once a season. Use engine oil or a spray lubricant. Refer to Figure 14.

**IMPORTANT:** Avoid spillage of oil on rubber friction wheel and aluminum drive plate.

#### Gear Shaft

- Lubricate the gear shaft with 6-in-1 grease (part number 737-0170) at least once a season, or after every 25 hours of operation. Refer to Figure 14.

**IMPORTANT:** Keep all grease and oil off the rubber friction wheel and drive plate.

#### Engine

Refer to the engine manual for instructions.

#### Gear Case

The gear case is lubricated with grease at the factory and it does not require checking.

- If disassembled for any reason, lubricate with 2 ounces of Shell Alvania grease EPR00, part number 737-0168. Before reassembling, remove old sealant and apply new sealant.

**IMPORTANT:** Do not overfill the gear case, since damage to the seals could result. Be sure the vent plug is free of grease in order to relieve pressure.

#### Auger Shaft

- At least once a season, remove the shear pins from the auger shaft and spray lubricant inside the shaft. See Figure 16.

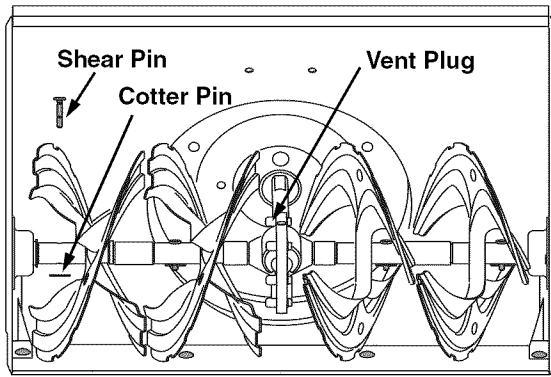
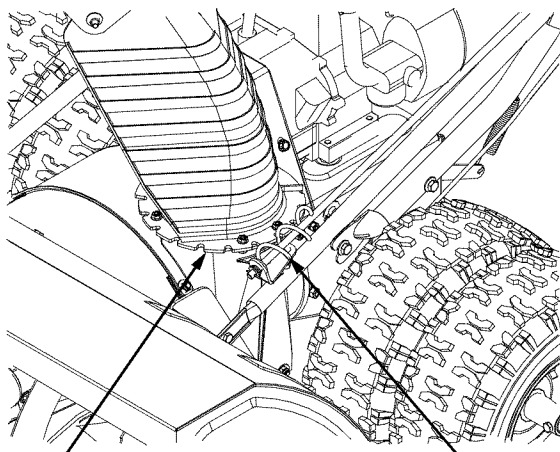


Figure 16

### Discharge Chute

The base of the discharge chute and the spirals on the chute crank should be lubricated at least every 25 hours of use. Apply the lubricant under the base of the chute and where the spirals contact the discharge chute. See Figure 17.



Lube Under Chute Base      Chute Crank Spirals

Figure 17

### Auger Bearings and Shaft

- Every season lubricate the auger bearings and the bearings on the side of the frame with light oil. See to Figure 16.
- Use oil or spray lubricant into the bearings at the wheels at least once a season. Remove the wheels, one side at a time, and clean and coat axles with multi-purpose automotive grease.
- Lubricate the auger shaft at least once a season. To do this:
  - Remove the shear pins on the auger shaft.
  - Oil or spray lubricant inside shaft.
  - Carefully spin the auger around by hand to disperse the lubricant.
- Reinstall the shear pins.

### Wheel Drive Control / Auger Control Lock

The cams on the ends of the control rods which interlock the wheel drive and auger drive controls must be lubricated at least once a season or every 25 hours of operation using a multi-purpose automotive grease. The cams can be accessed beneath the handle panel. See Figure 18.

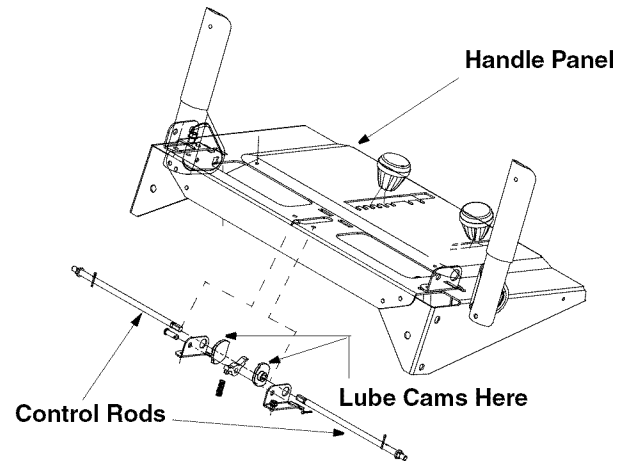


Figure 18

### Friction Wheel Rubber

Follow the instructions below to check the condition of the friction wheel rubber every 25 hours of operation.

- Remove the six self-tapping screws from the frame cover underneath the snow thrower.
- Visually inspect the friction wheel rubber for excessive wear, cracks, or loose fit on the friction wheel drive hub.
- Also engage the traction control and check if the friction wheel is making contact with friction plate. Refer to Figure 14. If it does not make contact, adjust the traction drive cable and recheck the friction wheel.
- Replace friction wheel rubber if necessary. Refer to instructions on page 17.

### Drive Belts

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

- Remove the plastic belt cover on the front of the engine by removing the three self-tapping screws.
- Visually inspect for frayed, cracked, or excessively worn out belts.
- Replace belts as necessary as outlined in Service Section on page 15.

### Engine

Follow accompanying engine manual for all engine-related maintenance issues.

## SECTION 7: SERVICING YOUR SNOW THROWER



**WARNING:** Before servicing, repairing, or inspecting, disengage all clutch levers 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.

### Augers

The augers are secured to the spiral shaft with two 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 16.

If the augers do not turn, check if the pins have sheared. Two replacement shear pins and cotter pins have been provided with the snow thrower. When replacing pins, spray an oil lubricant into shaft before inserting new pins.

**IMPORTANT:** NEVER replace the auger shear pins with standard hex bolts. 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.

### 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.

**NOTE:** *The skid shoes on this machine have two wear edges. When one side wears out, they can be rotated 180° to use the other edge.*

- Remove the six carriage bolts and hex flange locknuts which attach two skid shoes to the snow thrower on two sides. See Figure 15.
- Reassemble new skid shoes with the hardware removed earlier. Make certain the skid shoes are adjusted to be level.
- To remove the shave plate, remove the carriage bolts and hex flange locknuts which attach shave plate to the snow thrower housing. See Figure 19.
- Reassemble the new shave plate, with heads of carriage bolts to the inside of the housing. Tighten securely.

### Replacing Belts

- Disconnect the chute crank assembly at the discharge chute end by removing the hairpin clip and the flat washer.
- Remove the plastic belt cover, located near the engine, by removing the three self-tapping screws and flat washers that secure it. See Figure 19.
- Remove the large shoulder bolt and washer on the left hand side of the engine pulley. See Figure 20.

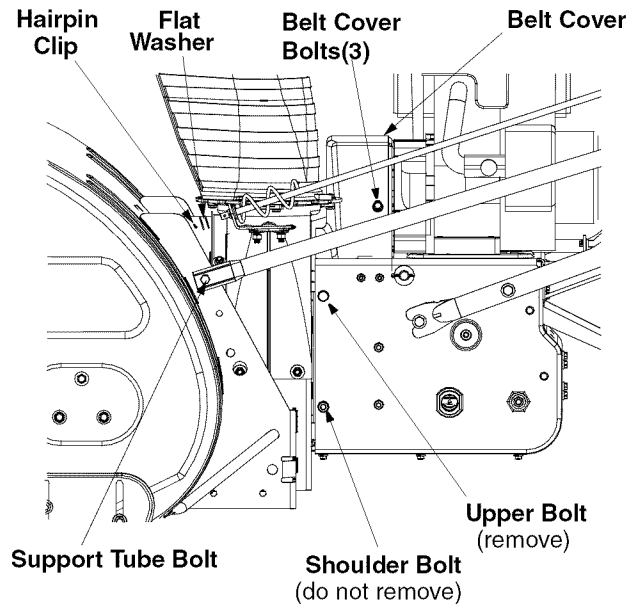


Figure 19

### Auger Belt

- Remove the hairpin clip and flat washer from the ferrule in order to disconnect the auger idler rod from the brake bracket assembly. See Figure 21.
- Slip the auger control belt (the front belt) off the engine pulley. See Figure 21.
- Pull the brake bracket assembly towards the cable guide roller and unhook the auger cable "Z" fitting.
- Remove the upper bolts and lock washers which attach the auger housing assembly to the frame assembly using a 9/16" wrench. Refer to Figure 19.
- Separate auger housing from the frame by tilting the housing forward and pulling up the handles.
- Using a 1/2" wrench, remove the hex screw and cupped washer from the center of the pulley on the auger housing. Lift the brake bracket assembly out of the pulley groove and remove the pulley. See Figure 22. Be careful not to lose the key.
- Remove and replace auger belt inside belt keepers.

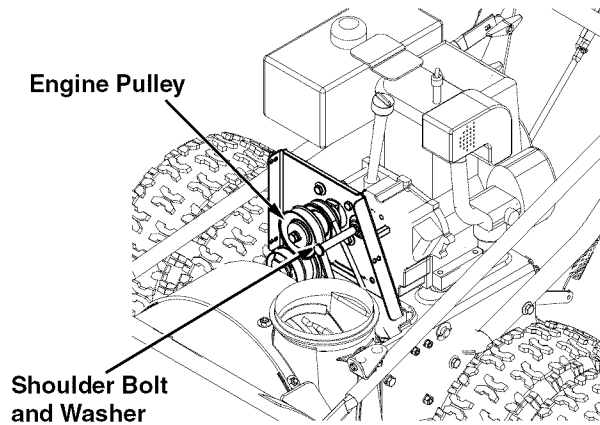


Figure 20

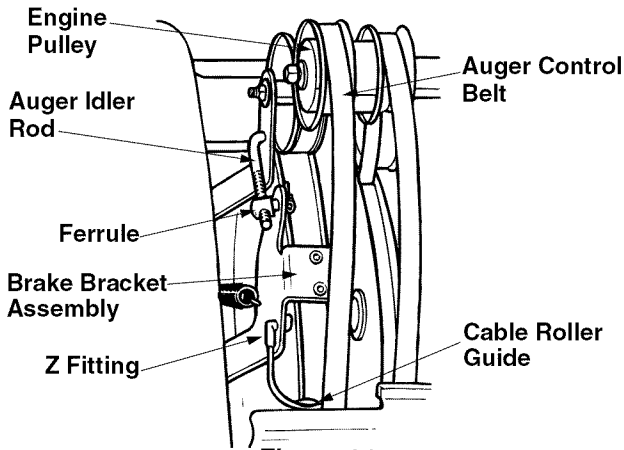


Figure 21

- Reassemble pulley to auger housing with hex screw and cupped washer (cupped side toward the pulley). Make sure key is in place on shaft and brake puck is seated in the pulley groove.
- Reassemble belt cover and chute directional control.

**Proper Adjustment:** With the auger clutch lever in the disengaged position, the top surface of the new belt should be even with the outside diameter of the pulley.

- To adjust, disconnect ferrule from brake bracket assembly and thread ferrule in (towards idler) to increase tension on belt, and out to decrease tension.

**NOTE:** The brake puck must always be firmly seated in the pulley groove when auger control is disengaged.

### Drive Belt

- Unhook the extension spring from the belt cover plate. See Figure 23.
- Remove drive belt from the engine pulley and bottom drive pulley.
- Replace belt and reassemble in reverse order.

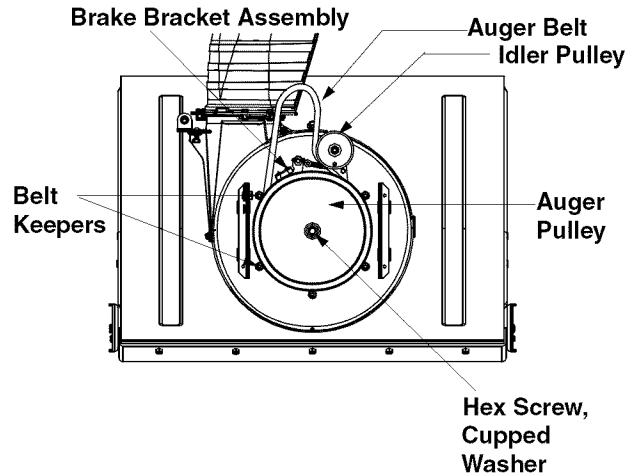


Figure 22.

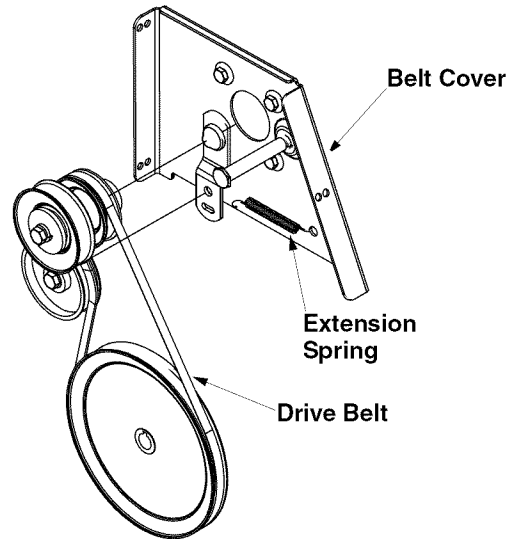


Figure 23

- Reassemble the two halves of the unit hooking the lower portion of the auger housing over the stationary shoulder bolts in the frame assembly. Secure the two halves with the two bolts and lock washers removed earlier.
- Attach the "Z" fitting of the cable into the brake bracket assembly. Refer to Figure 21.
- Slip the auger control belt over engine pulley.
- Insert ferrule on auger idler rod into bracket assembly and secure with flat washer and cotter pin. Reassemble the large shoulder bolt and lock washer. Refer to Figure 20.
- Reassemble belt cover and chute crank.



## Changing Friction Wheel Rubber

The rubber on the friction wheel is subject to wear and should be checked after the first 25 hours of operation, and periodically thereafter. Replace the friction wheel rubber if any signs of wear or cracking are found.

- Drain the gasoline from the snow thrower, or place a piece of plastic under the gas cap.
- Tip the snow thrower up and forward, so that it rests on the housing.
- Remove six screws from the frame cover underneath the snow thrower.
- Remove the left wheel from the axle.
- Using a 7/8" wrench, hold the hex shaft and remove the hex bolts and cupped washer and bearing from left side of the frame. Refer to Figure 14.
- Holding the friction wheel assembly, slide the hex shaft out of the left side of the unit. The spacer on the right side of the hex shaft will fall and the sprocket should remain hanging loose in the chain. See Figure 24.

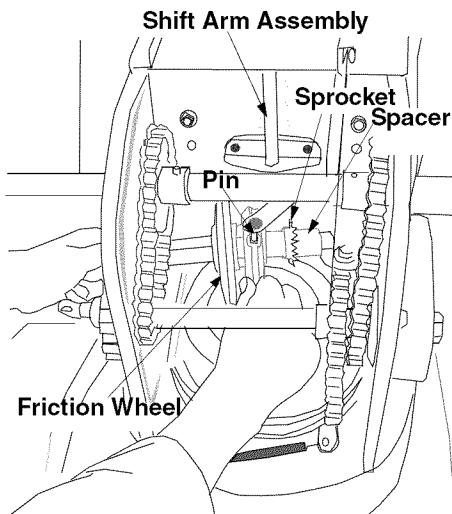


Figure 24

- Lift the friction wheel assembly out between the axle shaft and the drive shaft assemblies.
- Remove four screws securing the friction wheel rubber between the friction wheel plates. See Figure 25. Discard old rubber.
- Reassemble the new friction wheel rubber to the friction wheel assembly, tightening the four screws in rotation and with equal force. See Figure 25. It is important to assemble the rubber on the friction wheel symmetrically for proper functioning.

- Insert the pin from the shift arm assembly into the friction wheel assembly and hold assembly in position. Refer to Figure 24.

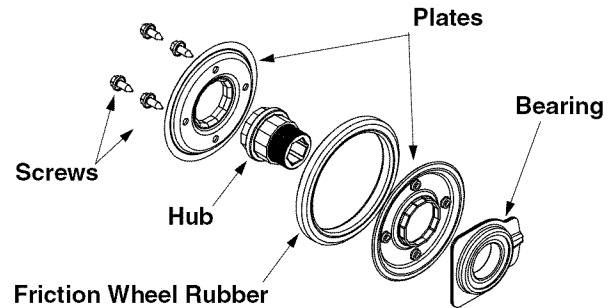


Figure 25

- Slide the hex shaft through the left side of the housing and through the friction wheel assembly.
- Insert the hex shaft through the sprocket and the spacer. Make certain that the chain engages both the large and the small sprocket.

**NOTE:** If the sprocket fell from the snow thrower while removing the hex shaft, place the sprocket on the hex shaft. Position the hex hub of the sprocket toward the friction wheel when sliding the sprocket on to the hex shaft. See Figure 26.

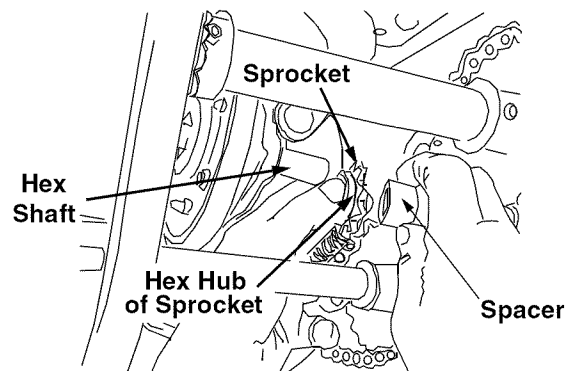


Figure 26

- Secure with the cupped washer and hex bolt removed earlier.
- Secure the frame cover with six self-tapping screws. Put the snow thrower down to its normal operating position.

**NOTE:** If you placed plastic film under the gas cap, be certain to remove it.

## SECTION 8: OFF-SEASON STORAGE



**WARNING:** Never store engine 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 other gas appliance.

- If unit is to be stored over 30 days, prepare engine for storage as instructed in the engine manual.

- Remove all debris from the exterior of equipment.
- Follow lubrication recommendations on page 13.
- Always store the snow thrower in a clean, dry area.

**NOTE:** When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

## SECTION 9: TROUBLESHOOTING

Problem	Cause	Remedy
Engine fails to start.	<ol style="list-style-type: none"> <li>1. Fuel tank empty, or stale fuel.</li> <li>2. Blocked fuel line.</li> <li>3. Choke not in ON position</li> <li>4. Faulty spark plug.</li> <li>5. Safety key not in ignition switch on engine.</li> <li>6. Spark plug wire disconnected.</li> <li>7. Primer button not being used properly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fill tank with fresh gasoline.</li> <li>2. Clean the fuel line.</li> <li>3. Move switch to ON position</li> <li>4. Clean, adjust gap or replace.</li> <li>5. Insert the key fully into the switch.</li> <li>6. Connect spark plug wire.</li> <li>7. Refer to the engine manual.</li> </ol>
Engine runs erratic.	<ol style="list-style-type: none"> <li>1. Unit running on CHOKE.</li> <li>2. Blocked fuel line or stale fuel.</li> <li>3. Water or dirt in fuel system.</li> <li>4. Carburetor out of adjustment.</li> </ol>	<ol style="list-style-type: none"> <li>1. Move choke lever to OFF position.</li> <li>2. Clean fuel line and fill tank with clean, fresh gasoline.</li> <li>3. Drain fuel tank and carburetor. Refill with fresh fuel.</li> <li>4. Refer to the engine manual.</li> </ol>
Loss of power.	<ol style="list-style-type: none"> <li>1. Spark plug wire loose.</li> <li>2. Gas cap vent hole plugged.</li> <li>3. Exhaust port plugged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Connect and tighten spark plug wire.</li> <li>2. Remove ice and snow from gas cap. Be certain vent hole is clear.</li> <li>3. Refer to the engine manual.</li> </ol>
Engine overheats.	<ol style="list-style-type: none"> <li>1. Carburetor not adjusted properly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Refer to the engine manual or have the carburetor adjusted by an authorized engine service dealer.</li> </ol>
Excessive vibration.	<ol style="list-style-type: none"> <li>1. Loose parts or damaged auger.</li> </ol>	<ol style="list-style-type: none"> <li>1. Stop engine immediately and disconnect spark plug wire. Tighten all bolts and nuts. If vibration continues, have unit serviced by an authorized service dealer.</li> </ol>
Unit fails to propel itself.	<ol style="list-style-type: none"> <li>1. Traction control cable in need of adjustment.</li> <li>2. Drive belt loose or damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust traction control cable. Refer to Adjustments.</li> <li>2. Replace drive belt.</li> </ol>
Unit fails to discharge snow.	<ol style="list-style-type: none"> <li>1. Discharge chute clogged.</li> <li>2. Foreign object lodged in auger.</li> <li>3. Auger control cable in need of adjustment.</li> <li>4. Auger belt loose or damaged.</li> <li>5. Shear bolt(s) sheared.</li> </ol>	<ol style="list-style-type: none"> <li>1. Stop engine immediately and disconnect spark plug wire. Clean discharge chute and inside of auger housing.</li> <li>2. Stop engine immediately and disconnect spark plug wire. Remove object from auger.</li> <li>3. Refer to Final Adjustments in Assembly Section.</li> <li>4. Refer to Adjustments.</li> <li>5. Replace shear bolt(s).</li> </ol>

**NOTE:** For repairs beyond minor adjustments listed above, contact the local dealer.

# 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 and/or its territories and possessions, and by MTD Products Limited with respect to new merchandise purchased and used in Canada and/or its territories and possessions (either entity respectively, "MTD").

MTD warrants this product (excluding its normal wear parts as described below) 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, friction wheels, 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:

#### **In the U.S.A.:**

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](http://www.mtdproducts.com).

#### **In Canada:**

Contact MTD Products Limited, Kitchener, ON N2G 4J1, or call 1-800-668-1238 or log on to our Web site at [www.mtdcanada.com](http://www.mtdcanada.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 and/or Canada, and their respective 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.
- h. If Products are used commercially. (MTD may separately offer Limited Commercial Warranties on certain select products. Ask your dealer or retailer for details or contact MTD Service for more information.)

**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 jurisdictions 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 LOCAL LAWS RELATE TO THIS WARRANTY:** This limited warranty gives you specific legal rights, and you may also have other rights that vary in different jurisdictions.

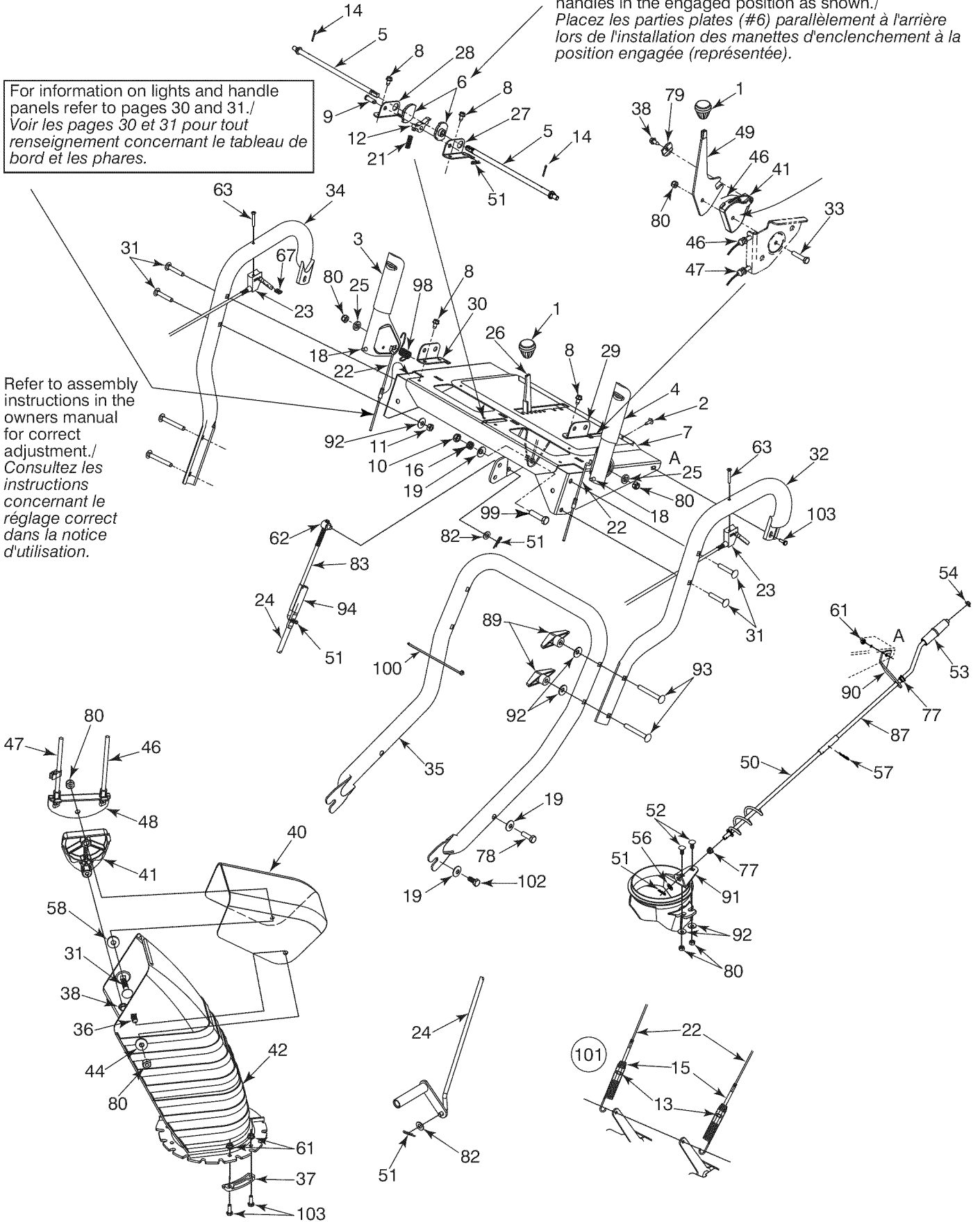
**IMPORTANT:** Owner must present Original Proof of Purchase to obtain warranty coverage.

**MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019; Phone: 1-800-800-7310**  
**MTD Products Ltd., P. O. BOX 1386, KITCHENER, ON N2G 4J1; Phone: 1-800-668-1238**

Flats (#6) parallel to rear when installing engagement handles in the engaged position as shown./  
 Placez les parties plates (#6) parallèlement à l'arrière lors de l'installation des manettes d'enclenchement à la position engagée (représentée).

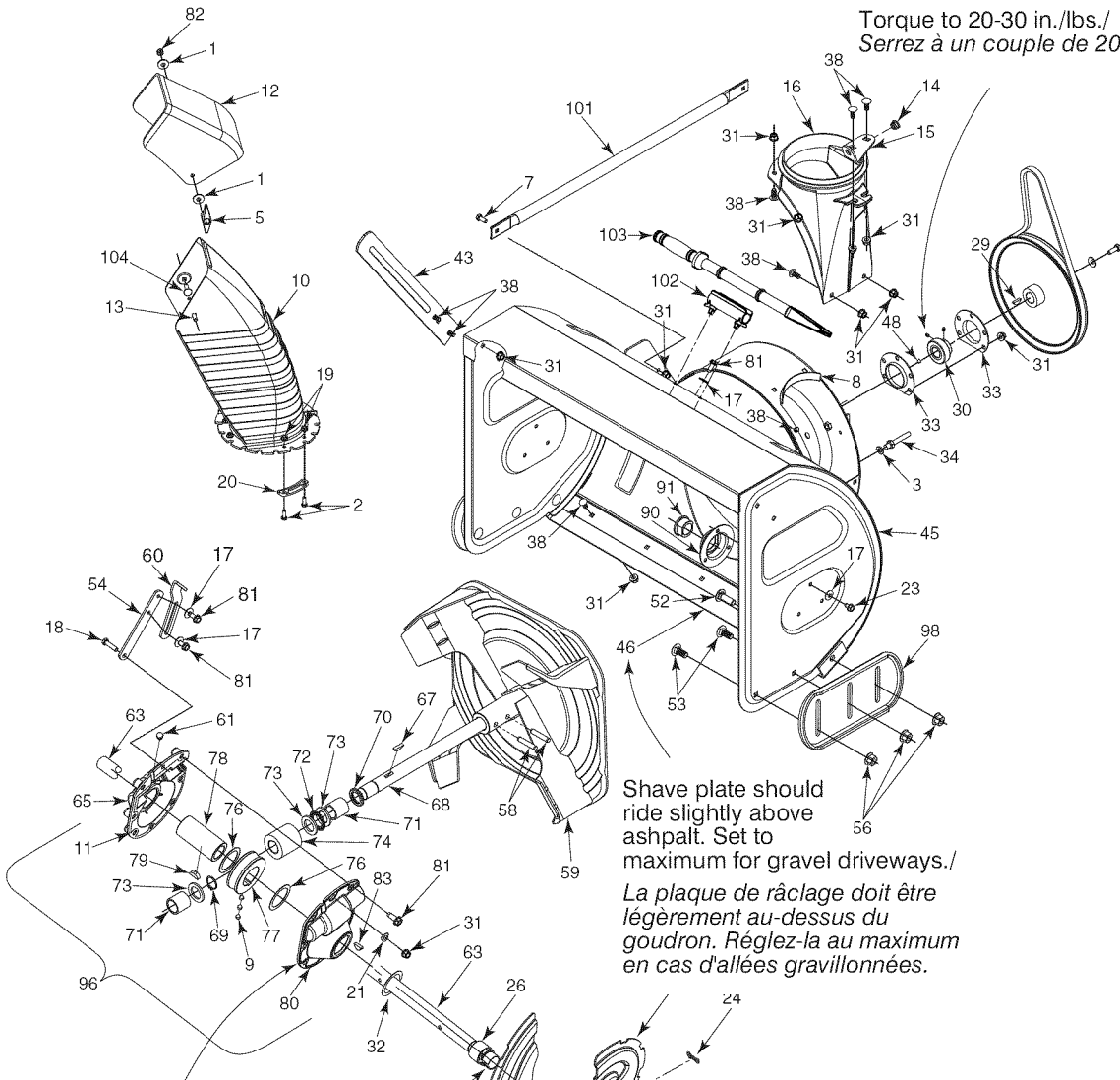
For information on lights and handle panels refer to pages 30 and 31./  
 Voir les pages 30 et 31 pour tout renseignement concernant le tableau de bord et les phares.

Refer to assembly instructions in the owners manual for correct adjustment./  
 Consultez les instructions concernant le réglage correct dans la notice d'utilisation.



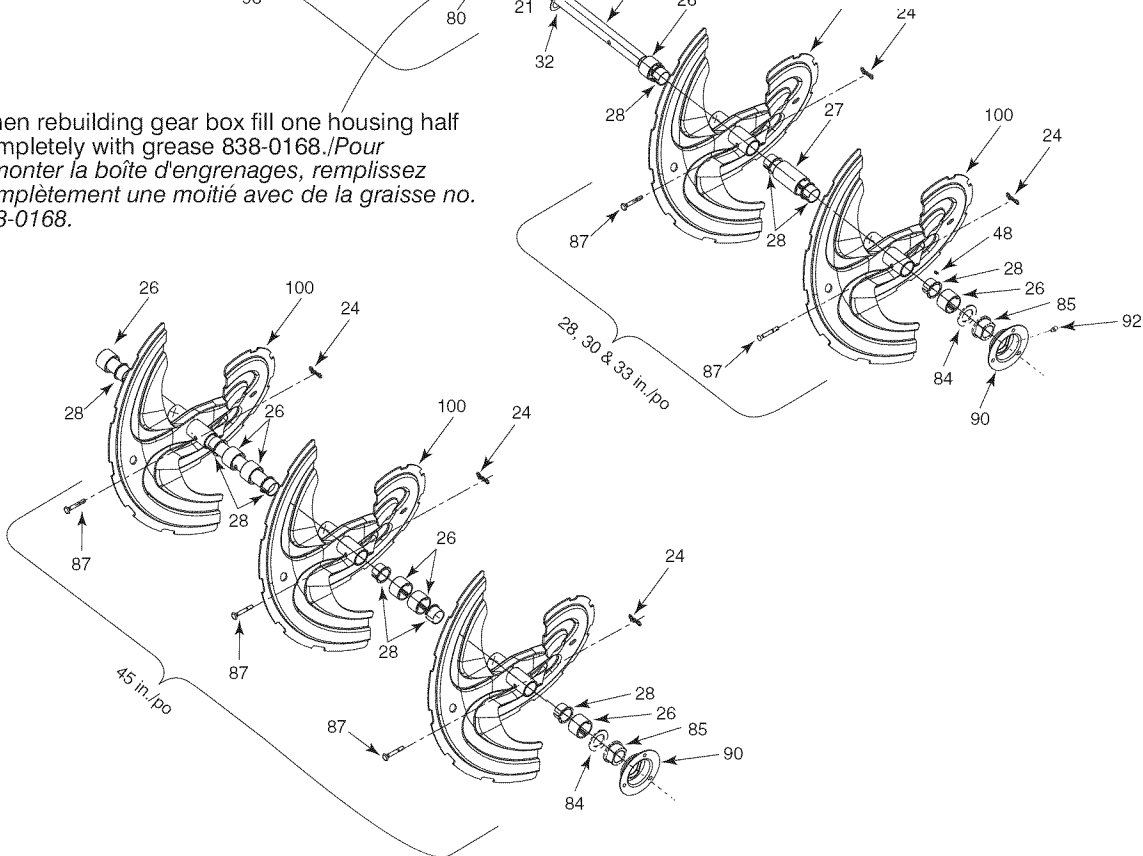
REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	720-0232	Shift Knob	Bouton
2	710-0351	Truss Mach B-Tapp Scr #10-16 x .50 Gr. 5	Vis de renforcement taraudée no. 10-16 x 0,50 Qual.5
3	705-5218	Engagement Handle RH Black	Poignée d'entraînement CD noir
4	705-5219	Engagement Handle LH Black	Poignée d'entraînement CG noir
5	747-0877	Cam Rod	Tige de came
6	748-0362	Cam Handle Lock	Came
7	684-0102	Handle Panel Ass'y w/tilt	Panneau
7	684-0103	Handle Panel Support Ass'y w/o slot	Ensemble de support de panneau sans fente
8	710-0599	Hex Wash S-Tapp Scr 1/4-20 x .50	Vis autotaraudeuse à rondelle hex. de 1/4-20 x 0,50
9	711-0653	Clevis Pin .31 Dia. x 1.0" Lg.	Axe d'attelage 0,31 Dia. x 1,0 po. de lg.
10	712-0116	Hex Nut 3/8-24 Gr. 5	Écrou hexagonal 3/8-24 Qual. 5
11	712-3010	Hex Nut 5/16-18 hd. Gr. 5	Écrou hexagonal 5/16-18 Qual. 5
12	748-0363	Cam Lock Pawl	Cliquet
13	712-0324	Hex Ins. Locknut 1/4-20	Écrou de blocage 1/4-20
14	714-0507	Cotter Pin 3/32 x .75	Goupille fendue 3/32 x 0,75
15	732-0184	Extension Spring	Ressort d'extension
16	732-0193	Compression Spring .39 ID x .88 Lg	Ressort de compression 0,39 DI x 0,88 po de lg.
18	735-0199A	Rubber Bumper	Pare - chocs en caoutchouc
19	736-0105	Cupped Washer .401 ID x .870 OD x .063	Rondelle creuse 0,401 DI x 0,870 DE x 0,063
21	732-0145	Compression Spring .36 DIA x 1.0" LG.	Ressort de compression 0,36 Dia. x 1,0 po de lg
22	746-0952	Clutch Cable	Câble d'embrayage
23	746-0950A	Trigger Assembly	Câble à chenilles de direction
24	747-0983A	Lower Shift Rod	Tige de changement de la vitesse - inférieur
25	736-0509	Washer (special)	Rondelle - spéciale
26	784-5619A	Shift Lever	Levier de changement de la vitesse
27	784-5679	LH Handle Support Brkt. 5/8"	Support de guidon-gauche 5/8 po
28	784-5680	RH Handle Support Brkt. 5/8"	Support de guidon-droit 5/8 po
29	784-5681	LH Handle Support Brkt. 3/8"	Support de guidon-gauche 3/8 po
30	784-5682	RH Handle Support Brkt. 3/8"	Support de guidon-droit 3/8 po
31	710-0458	Carriage Bolt 5/16-18 x 1.75" Lg.	Boulon à collet carré 5/16-18 x 1,75 po de lg
32	749-0989A	LH Upper Handle	Guidon-supérieur CG
33	710-0805	Hex Cap Scr. 5/16 - 18 x 1.50" Lg. Gr. 5	Vis à tête hex 5/16 - 18 x 1,50 po de lg Qual. 5
34	749-0990A	RH Upper Handle	Guidon-supérieur CD
35	749-0991	Lower Handle	Guidon-inférieur
36	710-0276	Carriage Bolt 5/16-18 x 1.00" Lg	Boulon ordinaire de 5/16-18 x 1,00 po de lg
37	731-0851A	Chute Flange Keeper	Garde-bride de la goulotte
38	710-0895	Hex HL Index Washer Screw 1/4-15 X .75	Vis taraudée à tête hexagonale 1/4-15 x 0,75
40	731-0846C	Upper Chute Remote Tilt	Partie supérieur noir de la bouche d'évacuation
41	731-1313C	Cable Guide	Guide de la câble
42	731-0903D	Lower Chute Remote Tilt	Partie inférieur noir de la bouche d'évacuation
44	736-0159	Flat Washer .349 ID x .879 OD x .063	Rondelle plate 0,349 DI x 0,879 DE x 0,063
46	746-0902	Chute Control Cable 66"	Câble de la commande de la bouche d'évacuation 66
47	746-0903	Chute Control Cable w/clip	Câble de la commande de la bouche d'évacuation
48	784-5594	Cable Bracket Chute Tilt	Support de câble
49	784-5604	Chute Tilt Handle	Poignée de la bouche d'évacuation
50	684-0053B	Lower Chute Crank	Manivelle de la goulotte
51	714-0104	Int. Cotter Pin .072 x 1.13" Lg.	Goupille fendue 0,072 x 1,13 po. de lg.
52	710-0451	Carriage Bolt 5/16-18 x .75 Gr. 2	Boulon ordinaire 5/16-18 x 0,75 Qual. 2
53	720-0201A	Knob 1.0 x 3.2	Bouton 1,0 x 3,2
54	726-0100	Push Nut 3/8" Rod	Écrou pour tige de 3/8 po
56	736-0185	Flat Washer .375 ID x .738 OD X.063	Rondelle plate 0,375 DI x 0,738 DE x 0,063
57	714-0101	Internal Cotter Pin	Goupille fendue - Int.
58	736-0231	Flat Washer .344 ID x 1.125 OD x .125	Rondelle plate 0,344 DI x 1,125 DE x 0,125
61	712-04064	Hex Fig. L-Nut 1/4-20 Gr. F Nylon	Contre-écrou à embase 1/4-20 Qual. F nylon
62	711-0677	Adjustment Ferrule	Virole de réglage
63	710-1625	Oval C-Sunk Screw #10-24 x 1.75	Vis No. 10-24 x 1,75
77	741-0475	Plastic Bushing .380 ID	Manchon en plastique de 0,38 po de D.I.
78	710-1878	Hex Screw 3/8-16 x 1.75 Gr.5 w/patch	Vis à tête hex 3/8-16 x 1,75 Qual. 5 avec pastille
79	736-0506A	Contour Washer	Rondelle
80	712-04063	Hex Fig. L-Nut 5/16-18 Gr. F Nylon	Contre-écrou à embase 5/16-18 Qual. F nylon
81	712-3027	Hex L-Flanged Nut 1/4-20 Gr. "F"	Contre-écrou à embase 1/4-20 Qual. "F"
82	736-0275	Flat Washer .344 ID x .688 OD x .065	Rondelle plate 0,344 DI x 0,688 DE x 0,065
83	747-0997	Upper Shift Rod	Tige de changement de la vitesse - supérieur
84	710-3015	Hex Screw 1/4-20 x .75" Lg. Gr. 5	Vis à tête hex 1/4-20 x 0,75 po de lg. Qual. 5
87	747-0624	Upper Chute Crank Assembly	Manivelle de la goulotte supérieure
89	720-0284	Wingnut Knob, 5/16-18	Bouton 5/16-18
90	705-5266	Upper Chute Crank Support	Support de la manivelle de la goulotte supérieure
91	784-5123	Lower Chute Crank Brkt.	Support de la manivelle de la goulotte inférieur
92	736-0242	Cupped Washer .340 ID x .872 OD x .06	Rondelle creuse 0,340 DI x 0,872 DE x 0,060
93	710-0572	Carriage Bolt 5/16-18 x 2.50	Boulon ordinaire 5/16-18 x 2,50
94	750-0963	Connector - Shift Rod	Raccord - tige de changement de la vitesse
98	732-0746	Torsion Spring .44 ID	Ressort de torsion 0,44 DI
99	710-0459A	Hex Scr 3/8-24 x 1.50 Gr. 5	Vis à tête hexagonale 3/8-24 x 1,50 Qual. 5
100	725-0157	Cable Tie	Attache câble
101	646-0012	Auger/Drive Cable Assembly	Ensemble de câble d'embrayage/commande
102	710-1879	Hex Screw 3/8-16 x .880 Gr. 5	Vis à tête hex 3/8-16 x 0,880 Qual. 5
103	710-0597	Hex Screw 1/4-20 x 1.00 Gr. 5	Vis à tête hex 1/4-20 x 1,0 Qual. 5

Torque to 20-30 in./lbs./  
Serrez à un couple de 20-30 po-lb.



Shave plate should ride slightly above asphalt. Set to maximum for gravel driveways./  
*La plaque de râclage doit être légèrement au-dessus du goudron. Réglez-la au maximum en cas d'allées gravillonnées.*

When rebuilding gear box fill one housing half completely with grease 838-0168./  
*Pour remonter la boîte d'engrenages, remplissez complètement une moitié avec de la graisse no. 838-0168.*



REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	736-0159	Flat Washer .344 ID x .875 OD	Rondelle plate 0,344 DI x 0,875 DE
2	710-0597	Hex. Scr. 1/4-20 x 1.00 Gr. 5	Vis à tête hex. 1/4-20 x 1,00 po de lg. Qual. 5
3	736-0169	Lockwasher 3/8" ID	Rondelle frein 3/8" DI
5	720-0284	Handle Knob Assembly	Bouton
7	710-3008	Hex Hd Cap Scr. 5/16-18 x .75 Gr. 5	Vis à tête hex. 5/16-18 x 0,75 Qual. 5
8	784-5711	Chute Bracket	Support d'évacuation
9	737-0168	Shell Alvania Grease (3 oz.)	Graisseur ( 3oz.)
10	731-0903D	Extended Lower Black Plastic Chute	Partie inf. noir de la bouche d'évacuation plastique
11	721-0328	Ultra Grey Loctite #5699	Loctite n°. 5699
12	731-0846C	Upper Black Plastic Chute	Partie sup. noir de la bouche d'évacuation
13	710-0276	Carriage Bolt 5/16-18 x 1.00" Lg	Boulon ordinaire 5/16-18 x 1,00 po de lg
14	741-0475	Plastic Bushing .380 ID	Coussinet plastique 0,380 DI
15	784-5123	Chute Brkt.	Support de la bouche d'évacuation
16	731-1696A	Chute Adapter	Adaptateur
17	736-0242	Cupped Washer .345 ID x .88 OD x .06	Rondelle creuse 0,345 DI x 0,88 DE x 0,06
18	710-0528	Hex Screw 5/16-18 x 1.25	Vis à tête hex. 5/16-18 x 1,25
19	712-04064	Hex Flange L-Nut 1/4-20 Gr. F Nylon	Contre écrou hex 1/4-20 Qual. F nylon
20	731-0851A	Chute Flange Keeper	Garde-bride de la goulotte
21	736-0271	Lockwasher 5/16" ID	Rondelle frein 5/16 DI
22	712-3004A	Flange L-Nut 5/16-18 Gr. 5 Nylon	Contre-écrou à embase 5/16-18
23	710-0726	Hex Wash HD Tap Scr 5/16-18 x .75	Vis à tête hex et rondelle 5/16-18 x 0,75
24	714-04040	Bow Tie Cotter Pin	Goupille fendue
26	731-05163	Spacer 1.5 x 1.0 ID x 1.0" Lg.	Entretoise 1,5 x 1,0 DI x 1,0 po de lg.
27	731-05162	Spacer 1.5 x 1.0 ID x 2.5" Lg.	Entretoise 1,5 x 1,0 DI x 2,5 po de lg.
28	741-0494	Flange Bushing 1.05 ID x 1.16 OD	Coussinet 1,05 DI x 1,16 DE
29	714-0126	#9 HI-Pro Key 3/16 x 3/4 Dia HT	Clavette Hi-Pro n° 9 - 3/16 x 3/4 diam
30	741-04024	Self-Aligning Bearing .875 ID	Roulement autoaligner 0,875 DI
31	712-04063	Hex Flg. L-Nut 5/16-18 Gr. F Nylon	Contre-écrou à embase 5/16-18 Qual. F nylon
32	736-03046A	Flat Washer 1.010 x 1.88 x .060	Rondelle plate 1,010 x 1,88 x 0,06
33	05244A	Bearing Housing	Boîtier de roulement
34	711-0640	Belt Keeper Studs 3/8-16 x 2.75	Goujons du protecteur de la courroie 3/8-16 x 2,75
38	710-0451	Carriage Bolt 5/16-18 x .75	Boulon ordinaire 5/16-18 x 0,75
43	790-00181	Drift Cutter	Virole de réglage
45	*	Snowthrower Housing Ass'y	Logement du chasse-neige
46	*	Shave Plate	Grattoir
48	737-0318	Arctic Grease	Graisse Arctic
52	710-3168	Carriage Bolt 3/8-16 x 1.00 Gr. 5	Boulon ordinaire 3/8-16 x 1,00 Qual. 5
53	710-0389	Carriage Bolt 3/8-16 x .75" Lg.	Boulon ordinaire 3/8-16 x 0,75
54	784-5710	Gear Housing Support Plate 1 x 3/16	Support du carter d'engrenages 1 x 3/16 x 4-3/8
56	712-04065	Hex Flange L-Nut 3/8-16 Gr. F Nylon	Contre écrou hex 3/8-16 Qual. F nylon
58	715-0118	Spring Spirol Pin Heavy - 5/16 dia x 1.7	Goupille en spirale 5/16 dia x 1,75 po de lg
59	684-0090A	Blower Fan Ass'y Complete	Ventilateur du chasse-neige complet
60	784-5076	Gear Housing Support Bracket	Support du carter d'engrenage
61	721-0325	Barbed Plug	Bouchon
63	*	Spiral Axle	Essieu en spirale
65	618-0246	Gear Housing Half - RH	Carter d'engrenage au moitié - droit
67	714-0126	#9 HI-Pro Key 3/16 x 3/4 Dia HT	Clavette Hi-Pro n° 9 - 3/16 x 3/4 diam
68	711-1133	Auger Drive Shaft	Arbre d'entraînement
69	716-0111	Snap Ring for .875 dia. shaft	Jonc d'arrêt pour arbre de 0,875 dia.
70	721-0145	Oil seal for .875 ID Garlock (76 x 6133)	Joint d'étanchéité d'huile (76 x 6133)
71	741-0217	Sleeve Bearing .875 ID	Palier à douille 0,875 DI
72	741-0184	Thrust Bearing .88 ID x 1.44 OD x .078	Palier à butée 0,88 DI x 1,44 DE x 0,078
73	736-0291	Flat Washer .88 ID x 1.4 OD x .125	Rondelle plate 0,88 DI x 1,4 DE x 0,125
74	717-0299	Worm Gear LH Double Thread	Vis sans fin à double filetage gauche
76	736-0266	Flat Washer 1.5 ID x 2.0 OD x .03	Rondelle plate 1,5 DI x 2,0 DE x 0,03
77	717-1425	Worm Gear LH Double Thread (Bronze)	Vis sans fin à double filetage - gauche bronze
78	738-0275	Worm Gear Shaft	Support du carter d'engrenage
79	714-0135	#91 Woodruff Key 1/4 x 3/4 Dia.	Clavette Woodruff no 91 1/4 x 3/4

Continued on next page/Suite à la page prochaine

\* See chart on next page./ Voir le tableau à la page prochaine

REF NO. N° DE RÉF	NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
80	618-0247 618-0435	Gear Housing Half LH Gear Housing Half LH (w/grease fitting hole)	Carter d'engrenages - moitié - gauche Carter d'engrenages - moitié - gauche (avec trou pour raccord graisse)
81	710-1260A	Hex Flange Scr. 5/16-18 x .75	Vis à tête hexagonale 5/16-24 x 0,75
82	712-0429	Hex Ins. L-Nut 5/16-18	Contre-écrou de blocage 5/16-18
83	714-0135	#91 Woodruff Key 1/4 x 3/4 Dia.	Clavette Woodruff n° 91 1/4 x 3/4
84	750-04020	Spacer	Entretoise
85	741-0192	Flange Bearing	Roulement à bride
87	738-04155	Shear Bolt 5/16-18 x 1.75	Boulon de cisaillement 5/16-18 x 1,75
90	05845C 784-0315A	Bearing Housing Bearing Housing	Boîtier de roulement Boîtier de roulement
91	741-0192	Flange bearing w/flats	Roulement à brides
92	737-3000	Grease Fitting (optional)	Raccord de graisse (en option)
96	618-0257 618-0436	Worm Gear Box Ass'y Worm Gear Box Ass'y (w/grease fitting)	Boîte d'assemblage de vis sans fin Boîte d'assemblage de vis sans fin (avec raccord graisse)
98	784-5697	Reversible Slide Shoe	Sabot coulissant réversible
100	*	Augers	Tarières
101	749-1117	Support Tubing (33" & 45" Only)	Tuyau (33 po et 45 po seulement)
102	731-2635	Cleanout Tool Mount	Support-outil de dégagement de la goulotte
103	731-2643	Cleanout Tool	Outil de dégagement de la goulotte
104	710-0458	Carriage Bolt 5/16-18 x 1.75	Boulon ordinaire 5/16-18 x 1,75

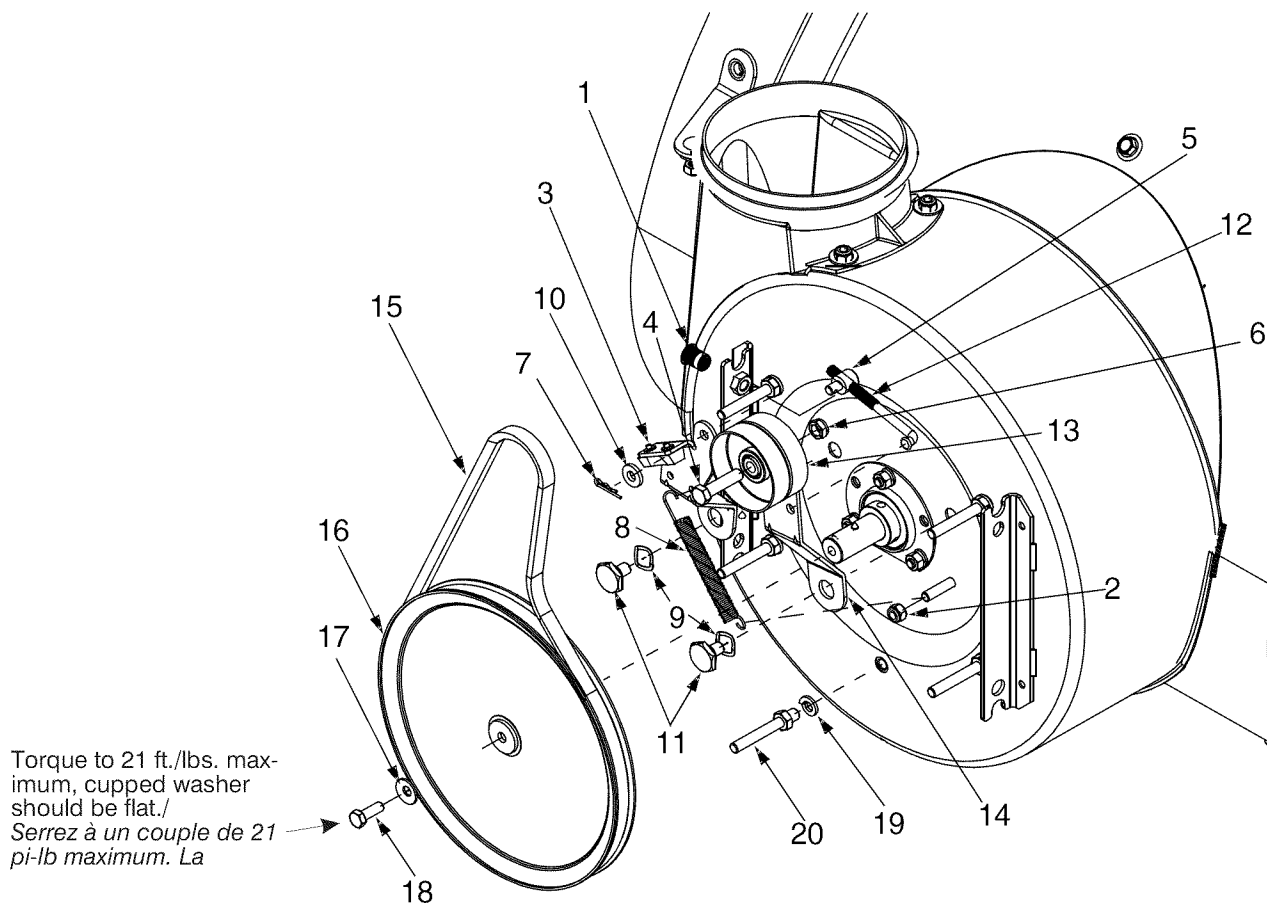
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AUGER HOUSING COMPONENTS/COMPOSANTS DU LOGEMENT DES TARIÈRES						
SIZE TAILLE	DESCRIPTION	AUGER HOUSING LOGEMENT DES TARIÈRES	LH AUGERS TARIÈRES GAUCHE	RH AUGERS TARIÈRES DROIT	AUGER SHAFT ARBRE DES TARIÈRES	SHAVE PLATE PLAQUE DE RACLAGE
28"/28 po	Standard Housing* Logement Standard	684-0091B	684-04151	684-04152	738-04156	784-5716A
28"/28 po	Heavy Duty w/brace <i>Robuste avec tuyau</i>	684-0164A	684-04151	684-04152	738-04156	784-5716A
30"/30 po	Standard Housing* Logement Standard	684-0092B	684-04151	684-04152	738-04157	784-5715A
30"/30 po	Heavy Duty w/brace <i>Robuste avec tuyau</i>	684-0165A	684-04151	684-04152	738-04157	784-5715A
30"/30 po	Troy Bilt Housing <i>Logement Troy Bilt</i>	684-04006	684-04151	684-04152	738-04157	784-5715A
33"/33 po	Standard Housing* <i>Logement Standard</i>	684-0093B	684-04151	684-04152	738-04158	784-5714A
33"/33 po	Heavy Duty w/brace <i>Robuste avec tuyau</i>	684-0166A	684-04151	684-04152	738-04158	784-5714A
33"/33 po	Troy Bilt Heavy Duty w/brace <i>Logement robuste avec tuyau Troy Bilt</i>	684-04015	684-04151	684-04152	738-04158	784-5714A
45"/45 po	Heavy Duty w/brace <i>Robuste avec tuyau</i>	684-0155A	684-04151	684-04152	738-04159	784-5696B
45"/45 po	Troy Bilt Heavy Duty w/brace <i>Robuste avec tuyau</i>	684-04008	684-04151	684-04152	738-04159	784-5696B

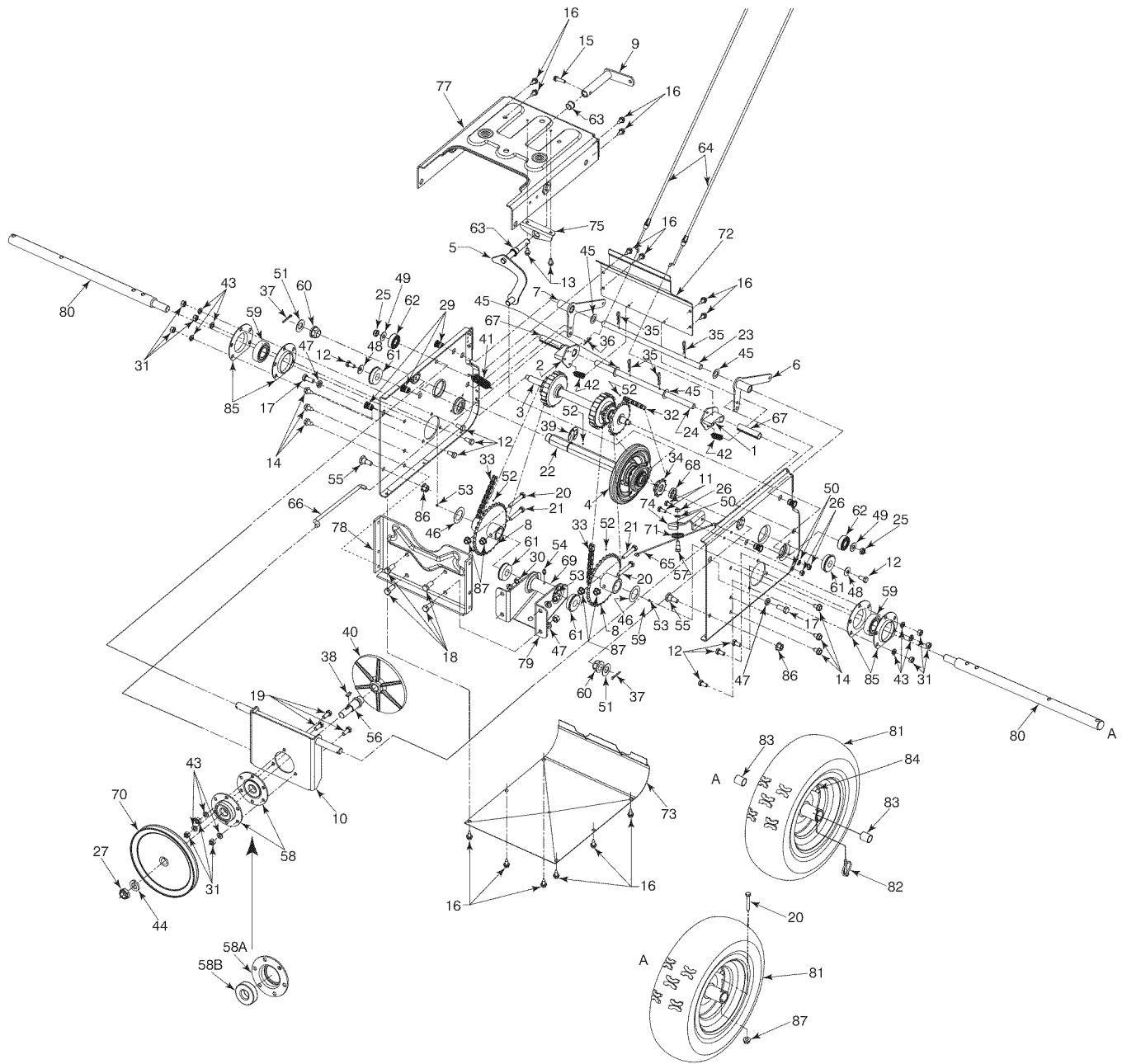
\* with or without grease fittings  
\* avec ou sans raccords de graissage

N/A = Not available  
N/D = Non disponible





REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	712-0717	Nut Insert 3/8-16 UNC	Écrou insérer 3/8-16 UNC
2	712-04063	Hex Flg. L-Nut 5/16-18 Gr. F Nylon	Contre-écrou à embase 5/16-18 Qual. F nylon
3	618-0281A	Brake Bracket Ass'y (900 Series)	Support du frein (séries 900)
4	710-0459A	Hex Scr 3/8-24 x 1.50 Gr. 5	Vis à tête hexagonale 3/8-24 x 1,50 Qual. 5
5	711-0677	Adjustment Ferrule	Virole de réglage
6	712-0116	Hex Nut 3/8-24 Gr. 5	Écrou hexagonal 3/8-24 Qual. 5
7	714-0104	Int. Cotter Pin .072 x 1.13" Lg.	Goupille fendue 0,072 x 1,13 po. de lg.
8	732-0858	Extension Spring .470 Dia. x 4.75	Ressort d'extension
9	736-0174	Wave Washer .625 ID x .885 OD x .015	Rondelle ondulée 0,625 DI x 0,885 DE x 0,015
10	736-3008	Flat Washer .344 ID x .75 OD x .120	Rondelle plate 0,344 DI x 0,75 DE x 0,120
11	738-0281	Shoulder Scr .625 Dia x .170	Vis à épaulement dia 0,625 x 0,170 po
12	747-0980	Auger Idler Rod	Tige de tension de la tarière
13	756-0178	Flat Idler Pulley	Poulie de tendeur plate
14	784-0385A	Auger Idler Bracket	Support de tension de la tarière
15	754-0222A	V-Belt 1/2 x 44" Lg.	Courroie trapézoïdale 1/2 x 44 po de lg
16	756-0243	1/2" V-Pulley .875 ID x 10.12 OD	Poulie de 1/2 po 0,875 DI x 10,12 DE
17	736-0242	Cupped Washer .345 ID x .88 OD x .06	Rondelle creuse 0,345 DI x 0,88 DE x 0,06
18	710-0371	Hex Screw 5/16-18 x .88	Vis à tête hexagonale 5/16-18 x 0,88
19	736-0169	Lockwasher 3/8" ID	Rondelle frein 3/8" DI
20	711-0640	Belt Keeper Studs 3/8-16 x 2.75	Goujons du protecteur de la courroie 3/8-16 x 2,75



REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	618-0279	LH Dog Assembly	Bride gauche
2	618-0280	RH Dog Assembly	Bride droite
3	618-0282D	Steering Shaft Assembly	Arbre de direction
4a	618-04178	Wheel Ass'y Bearing 6.0" OD	Roulement 6,0 po diam.
4b	718-04034	Friction Wheel Bonded	Roue de friction
4c	710-0896	Hex Wash. Hd. TT Scr. 1/4-14 x .625	Vis taraudée 1/4-14 x 0,625
5	684-04103	Shift Ass'y Rod	Tige de commande
6	684-0118	Actuator Auger Bracket Ass'y	Support
7	684-0119	Actuator Drive Bracket Ass'y	Support
8	684-0122	32T Sprocket Ass'y	Pignon-32 dents
9	684-0161	Shift Arm Ass'y	Bras de commande
10	684-0162	Support Bracket Ass'y	Support
11	710-0195	Hex Scr 1/4-28 x .625" Lg	Vis à tête hexagonale 1/4-28 x 0,625 po lg.
12	710-0538	Hex L-Bolt 5/16-18 x .62	Boulon hex 5/16-18 x 0,62
13	710-0599	Hex Wash S-Tapp Scr 1/4-20 x .50	Vis autotaraudeuse à rondelle hex. de 1/4-20 x 0,50
14	710-0726	Hex Wash Hd Tap Scr. 5/16-18 x .75	Vis autotaraudeuse 5/16-18 x 0,75 po
15	710-0788	Hex Bolt 1/4-20 x 1.00	Vis à tête hex 1/4-20 x 1,00
16	710-1652	Hex Wash Hd TT Scr. 1/4-20 x .625	Vis taraudée 1/4-20 x 0,625
17	710-1879	Hex Hd. C-Sunk Scr. 3/8-16 x .880 Gr. 5	Vis à tête hex. 3/8-16 x 0,880 Qual. 5
18	710-3001	Hex Hd. C-Sunk Scr. 3/8-16 x .880 Gr. 5	Vis à chapeau à six pans de 3/8-16 x 0,880 po de lg
19	710-3008	Hex Bolt 5/16-18 x .75" Lg. Gr. 5	Boulon hex. 5/16-18 x 0,75 po de lg. Qual. 5
20	710-3103	Hex Hd Cap Scr. 5/16-18 x 2.0 Gr. 5	Vis à tête hex. 5/16-18 x 2,0 Qual. 5
21	710-3180	Hex Screw 5/16-18 x 1.75" Lg.	Vis à tête hex. 5/16-18 x 1,75 po de lg.
22	711-04279	Hex Drive Shaft	Arbre d'entraînement
23	711-1193	Actuator Shaft	Arbre
24	711-1194	Actuator Drive Shaft	Arbre d'entraînement
25	712-0116	Hex Nut 3/8-24	Écrou hexagonal 3/8-24
26	712-0138	Hex Nut 1/4-28	Écrou hexagonal 1/4-28
27	712-0413	Hex Jam Locknut 5/8-18 Gr. 5 Nylon	Contre-écrou de blocage 5/8-18 Qual. 5
29	712-0717	Nut Insert 3/8-16 UNC	Écrou inserer 3/8-16 UNC
30	712-3017	Hex Nut 3/8-16	Écrou hex 3/8-16
31	712-3010	Hex Nut 5/16-18 hd. (Gr. 5)	Écrou hexagonal 5/16-18 Qual. 5
32	713-0284	#41 Chain 1/2" pitch x 36 links- Endless	Chaîne n° 41, pas de 1/2 po x 36 maillons
33	713-0286	#420 Chain 1/2" pitch x 40 links-Endless	Chaîne n° 420, pas de 1/2 po x 40 maillons
34	713-04015	10T Sprocket #41 x .500	Pignon, 10 dents
35	714-0101	Internal Cotter Pin	Goupille fendue - Int.
36	714-0104	Int. Cotter Pin 5/16 DIA	Goupille fendue 5/16 DIA.
37	714-0115	Cotter Pin 1/8 x 1.0	Goupille fendue 1/8 x 1,0
38	714-0388	No. 61 Hi-Pro Key 3/16 x 5/8	Clavette Hi-Pro No 61-3/16 x 5/8
39	716-0136	E-ring .875 diam.	Bague 0,875 dia.
40	717-0302	Aluminum Drive Plate	Plaque d'entraînement en aluminium
41	732-0121	Idler Extension Spring	Ressort extérieur de tendeur
42	732-0209	Extension Spring .47 OD x 2.03 Lg.	Ressort d'extension 0,47 DE x 2,03 po de lg
43	736-0119	L-Wash 5/16 ID	Rondelle frein 5/16 DI
44	736-0158	Lockwasher 5/16 ID	Rondelle frein 5/16 DI
45	736-0160	Flat Washer .531 ID x .930 OD	Rondelle plate 0,531 DI x 0,930 DE
46	736-0163	Flat Washer 1.03 ID x 1.62 OD x .03	Rondelle plate 1,03 DI x 1,62 DE x ,03
47	736-0217	Lockwasher Heavy 3/8" ID	Rondelle frein 3/8 DI
48	736-0242	Cupped Washer .345 ID x .88 OD x .06	Rondelle creuse 0,345 DI x 0,88 DE x 0,060
49	736-0300	Flat Washer .385 ID x .87 OD x .06	Rondelle plate 0,385 DI x 0,87 DE x 0,06
50	736-0329	L-Wash 1/4 ID	Rondelle frein 1/4 DI
51	736-0623	Flat Washer .64 ID x 1.24 OD x .06	Rondelle plate 0,64 DI x 1,24 DE x 0,06
52	737-04027	Lubricant - LPS 2 Industrial Strength	Lubrifiant - LPS Industriel
53	737-0318	Grease:Arctic:EP NLGI 1-58F	Graisse
54	737-3000	Grease Fitting	Raccord de graissage
55	738-0143	Shld. Scr. .500 Dia. x .335" Lg.	Vis à épaulement dia. 0,500 po x 0,335 po de lg
56	738-0279	Drive Plate Spindle	Fusée de plaque d'entraînement
57	738-0924	Hex Shld.Scr.1/4-28 x .375	Vis à épaulement 1/4-28 x 0,375
58A	741-0163A	Bearing Hsg. Ass'y.	Boîtier à roulement à billes
58B	08253B	Brg. Housing 1.85" ID	Logement du roulement 1,85 DI
58	741-0919	Ball Bearing .787 ID x 1.85 OD x .56	Roulement à billes 0,787 DI x 1,85 DE x 0,56

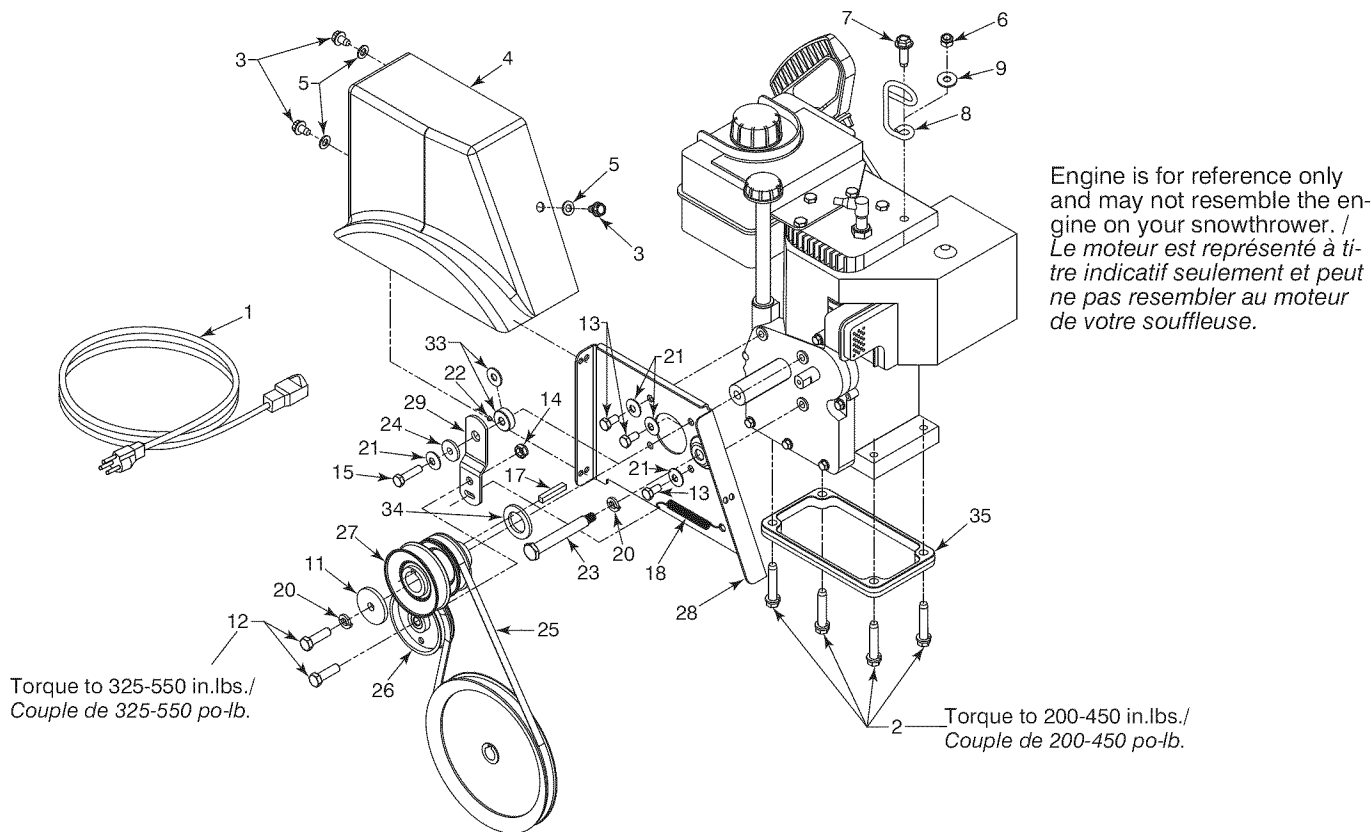
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REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
59	741-04025	Self aligning brg. 1.0 ID	Palier à alignement automatique
60	741-0225	Hex Flange Bearing .630 ID	Roulement à bride hex de 0,630 DI
61	741-0563	Ball Bearing w/snap ring	Roulement à billes avec bague
62	741-04076	Ball Bearing .5625 ID x 1.3750 x .437	Roulement à billes 0,5625 DI x 1,3750 x 0,437
63	741-0748	Flange Bushing .500 ID x .627 OD	Coussinet 0,500 DI x 0,627 DE
64	746-0949A	Steering Cable	Câble
65	746-0951	Auger Idler Cable	Câble
66	747-0973	Drive Clutch Rod	Tige d'entraînement
67	750-0903	Split Spacer 1/2 x 5/8 x 2.69	Entretoise 1/2 x 5/8 x 2,69
68	750-0997	Spacer .625 ID x 1.0 OD x .23	Entretoise 0,625 DI x 1,0 DE x 0,23
69	750-1302A	Spacer .6725ID x 1.125OD x 2.485	Entretoise 0,6725 DI x 1,125 DE x 2,485 po de lg.
70	756-0344	1/2" "V" Pulley .625 ID x 7.50 OD	Poulie de 1/2 PO 0,625 DI x 7,50 DE
71	756-0625	Cable Guide Roller	Galet de guidage
72	784-0379	Upper Frame Cover	Couvercle du châssis supérieur
73	784-0380	Lower Frame Cover	Couvercle du châssis inférieur
74	784-0384	Auger Cable Bracket Guide	Support
75	784-0403	Shift Bracket	Support
76	784-0404	Bearing Retaining Bracket	Support de retenue de la roulement
77	790-00162	Transmission Frame Ass'y (900)	Bâti (900)
78	784-0406	Frame Support Bracket	Support
79	784-0407	Axle Brg. Support Bracket	Support de roulement
80	738-1164A	Axle.995 x 14.10" Lg (30" & 33")	Essieu 0,995 x 14,10" Lg. (30 po & 33 po)
	738-1165A	Axle .995 x 12.6" Lg. (28")	Essieu 0,995 x 12,0" Lg. (28 po)
	738-1166A	Axle .995 x 20.4" Lg. (45")	Essieu 0,995 x 20,4" Lg. (45 po)
81		See chart below.	Voir le tableau ci-dessous.
82	714-0151A	Klik Pin	Goupille à déclique
83	741-0246A	Bearing 1.0 ID x 1.127 OD x 1.00	Roulement 1,0 DI x 1,127 DE x 1,00
84	734-0255	Air Valve	Soupape à air
85	05244A	Bearing Housing	Boîtier de roulement
86	712-04065	Flange L-Nut 3/8-16 Gr. F Nylon	Contre-écrou à embase 3/8-16 Qual. F nylon
87	712-04063	Flange L-Nut 5/16-18 Gr. F Nylon	Contre-écrou à embase 5/16-18 Qual. F. nylon

831-9154  
5.22.05

Model Modèle	Wheel Assembly Ensemble de roue	Description Description	Tire Roue	Rim Jante
31AE9M3. . . . .	634-0225-XXXX (LH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
. . . . .	634-0226-XXXX (RH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
31AE9M6. . . . .	734-1531-XXXX . . . . .	16.5 x 4.8 Snow Hog . . . . .	734-1530 . . . . .	734-1532-XXXX
31AE9N6. . . . .	634-0225-XXXX (LH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
. . . . .	634-0226-XXXX (RH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
31AE9O3. . . . .	634-0225-XXXX (LH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
. . . . .	634-0226-XXXX (RH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
31AE9P3I . . . . .	734-1593-XXXX . . . . .	16 x 6.5 Snow Hog . . . . .	734-1525 . . . . .	734-1124-XXXX
31AE9P3J . . . . .	634-0225-XXXX (LH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
. . . . .	634-0226-XXXX (RH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
31AE9P6. . . . .	634-0225-XXXX (LH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
. . . . .	634-0226-XXXX (RH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
31AE9P9. . . . .	634-0225-XXXX (LH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX
. . . . .	634-0226-XXXX (RH) . . . . .	16 x 6.5 x 8 X-Trac . . . . .	734-2031 . . . . .	734-1124-XXXX

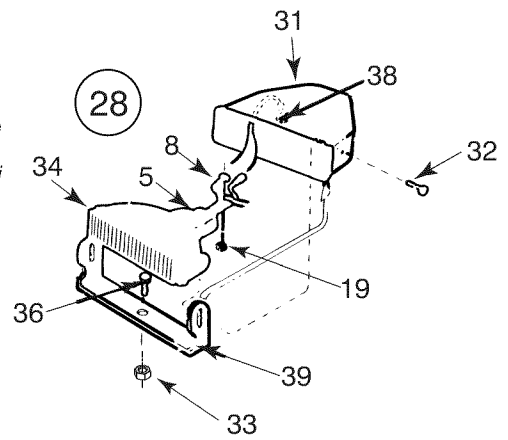
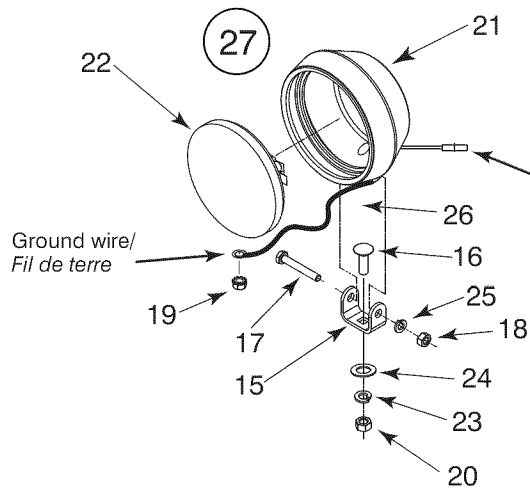
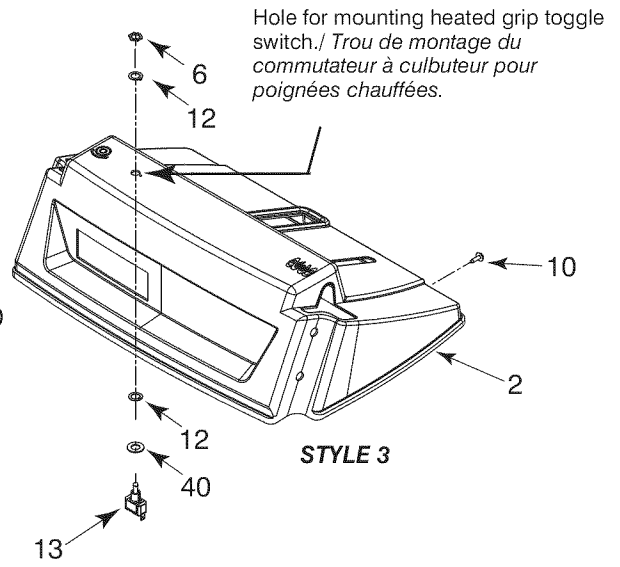
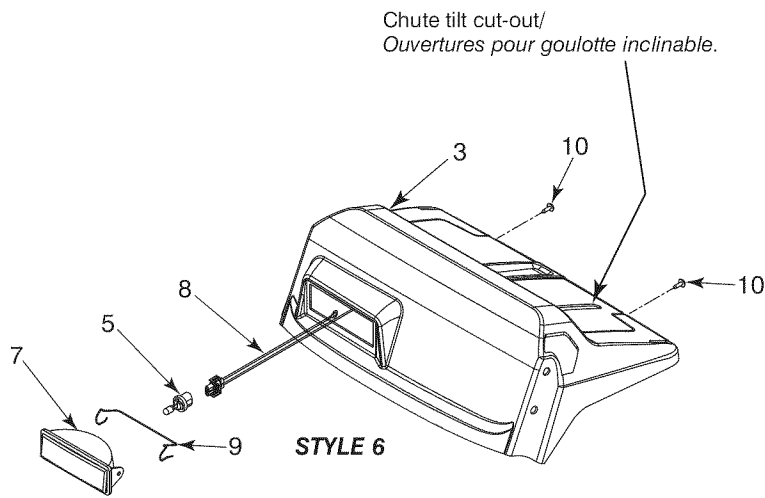
5.26.04



REF NO. N° DE RÉF	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
1	629-0071	Extension Cord 10 Ft.	Corde 10 pied de lg.
* 2	710-1008	Hex L-Wash TT Scr. 3/8-16 x 1.8	Vis taraudée 3/8-16 x 1,80
**	710-0502A	Hex Washer Scr 3/8-16 x 1.25	Vis taraudée 3/8-16 x 1,25 po
3	710-0607	Hex Wash HD S-Tapp Scr 5/16-18 x .50	Vis auto-taraudeuse hexagonal 5/16-18 x 0,50
4	731-2531	Plastic Belt Cover	Couvercle de courroie
5	736-0264	Flat Washer .330 ID x .630 OD x .0635	Rondelle plate 0,330 DI x 0,630 DE x 0,0635
6	712-04064	Hex Flg. L-Nut 1/4-20 Gr. F Nylon	Contre-écrou à embase 1/4-20 Qual. F nylon
7	710-0602	Hex Wash Hd Tapp Scr 5/16-18 x 1.00	Vis auto-fileteuse à tête hex et rondelle 5/16-18
8	732-0705	Cable Control Wire	Fil de commande de la câble
9	736-0173	Flat Washer .28 ID x .74 OD x .063	Rondelle plate 0,28 DI x 0,74 DE x 0,063
11	736-0322	Flat Washer .450 ID x 1.250 OD x .164	Rondelle plate 0,450 DI x 1,25 DE x 0,164
12	710-0191	Hex Screw 3/8-24 x 1.25 Gr. 8 Special	Vis à tête hexagonale 3/8-24 x 1,25 Qual. 8 spéc.
13	710-0237	Hex Screw 5/16-24 x .625 Gr. 5	Vis à tête hexagonale 5/16-24 x 0,625 Qual. 5
14	712-0116	Hex Nut 3/8-24 Gr. 5 Nylon	Écrou hexagonal 3/8-24 Qual. 5 nylon
* 15	710-0672	Hex HD. Cap Scr. 5/16-24 x 1.25 Lg. Gr 5	Vis à tête hexagonal 5/16-24 x 1,25 po de lg Qual. 5
**	710-1245B	Hex Screw 5/16-24 x .875 Gr. 5 Lock	Vis à tête hexagonale 5/16-24 x 0,875 Qual. 5
17	714-0118	Square Key 1/4 x 1/4 x 1.50" Lg.	Clavette 1/4 x 1/4 x 1,50 po de lg
18	732-0303	Brake Return Ext. Spring 3.18" Lg.	Ressort d'alimentation 3/8 x 3,18
20	736-0217	Lockwasher Heavy 3/8" ID	Rondelle frein 3/8 DI
21	736-0242	Cupped Washer .340 ID x .872 OD x .06	Rondelle creuse 0,340 DI x 0,872 DE x 0,060
22	737-0318	Grease Arctic	Graisse
* 23	738-0982	Shoulder Screw .498 x 3.245 x 3/8-16	Vis épaulée 0,498 x 3,245 x 3/8-16
**	738-0215A	Shoulder Screw .498 Dia x 3.00	Vis à épaulement 0,498 Dia x 3,00
24	748-0234	Shoulder Spacer .25 THK	Entretoise épaulée
25	754-0131	V-Belt 3/8 x 35.5" Lg.	Courroie trapézoïdale 3/8 x 35,5 po de lg
26	756-0240	Flat Idler w/flanges 3.0 OD	Tendeur plate avec collet 3,0 DE
27	756-0241B	Double Groove Engine Pulley	Poulie moteur à double gorges
28	684-0123A	Belt Cover Bracket Ass'y	Support de la couvercle de courroie
29	784-5726	Idler Bracket	Support de tendeur
* 33	748-0418	Spacer .33 ID x 1.01 OD x .36	Entretoise 0,33 DI x 1,01 DE x 0,36
**	736-0159	Flat Washer .349 ID x .879 OD x .063	Rondelle plate 0,349 DI x 0,879 DE x 0,063
* 34	750-1148A	Spacer 1.02 x 1.63 x .1425	Entretoise 1,02 x 1,63 x 0,1425
* 35	717-0882A	Engine Spacer .560 Thick	Entretoise du moteur-épaisseur 0,560

310-9002  
5.22.05

\* For 10 & 11 HP/pour 10 et 11 HP  
\*\* For 12 & 13 HP/pour 12 et 13 HP



REF NO. N° DE RÉF.	PART NO. N° DE PIÈCE	DESCRIPTION	DESCRIPTION
2	<b>STYLE 3</b>		
	731-1737A 731-0061	Black Handle Panel (*) Black Handle Panel (■)	Panneau-noir (*) Panneau-noir (■)
	731-1873A 731-2564	Yellow Handle Panel (■) Yellow Handle Panel (✦)	Panneau-jaune (■) Panneau-jaune (✦)
	731-2606	Black Handle Panel (**)	Panneau-noir (**)
3	<b>STYLE 6</b>		
	731-2516 731-2519	Grey Handle Panel (*) Grey Handle Panel (■)	Panneau-gris (*) Panneau-gris (■)
4	731-2298 731-1582A	Black Handle Panel (■) Black Handle Panel (*)	Panneau-noir (■) Panneau-noir (*)
	731-04068	Black Handle Panel (✦)	Panneau-noir (✦)
5	725-1658	Bulb #890, 12 V, 27 Watt	Bulbe n° 890
6	725-1759	Bulb, #886, 12 V, 50 Watt (Style 3 w/heated grips)	Bulbe n° 886 (style 3 avec poignée chauffée)
7	712-0693	Hex Nut	Écrou à six pans
8	725-1672	Headlight Housing	Phare-carter
9	629-0059	Wire Harness	Faisceau de fil
10	747-1136	Retainer	Attache
11	710-1003	Hex Tapp Wash Hd. Scr. #10 x 5/8	Vis n° 10 x 5/8
12	716-0398	Lock Ring - Toggle Switch	Bague - commutateur à culbuteur
13	725-1756	Toggle Switch, Single Throw (heated grips)	Commutateur à culbuteur
14	13359	Mounting Lamp Bracket	Support de phare
15	710-0276	Carriage Bolt 5/16-18 x 1.00" Lg	Boulon ordinaire de 5/16-18 x 1,00 po de lg
16	710-0559	Hex Screw 1/4-28 x 1.75 Gr 5	Vis à tête hex. 1/4-28 x 1,75 Qual. 5
17	712-0138	Hex Nut 1/4-28 Gr 5	Écrou hexagonal 1/4-28 Qual. 5
18	712-0271	Sems Hex Nut 1/4-20	Écrou Sems hex 1/4-20
19	712-3010	Hex Nut 5/16-18 hd. Gr. 5	Écrou hexagonal 5/16-18 Qual. 5
20	725-0586	Lamp Housing	Logement du phare
21	725-1300	Sealed Beam 18 Watt CGE #4414-1	Phare-scelle (CGE no 4414-1, 18 watt)
22	736-0119	L-Wash 5/16 ID	Rondelle frein 5/16 DI
23	736-0329	L-Wash 1/4 ID	Rondelle frein 1/4 DI
24		Ground Wire	Fil de terre
25	725-1301	Top Mount 18 watt Lamp Ass'y (sealed beam)	Phare (18 watt)
26	625-0007	Top Mounting Halogen Lamp Assembly	Phare à iode
27	731-1364	Halogen Lamp Housing	Boîtier du phare à iode
28	710-1240	Phillips Pan Hd. Scr. M4 x 16mm	Vis Phillips à tête cylindrique M4 x 16mm
29	712-04063	Hex Flange Locknut 5/16-18 Gr. F Nylon	Contre-écrou à embase 5/16 - fil. 18 Qual. F
30	725-1669	Lamp/Lens Housing Ass'y	Boîtier du phare/optique
31	710-0451	Carriage Bolt 5/16-18 x .75	Boulon ordinaire 5/16-18 x 0,75
32	735-0225	Grommet .38 ID X .50 OD X .12	«Grummet» 0,38 DI x 0,50 DE x 0,12
33	705-5217	Lamp Mounting Brkt.	Support de montage du phare
34	736-0226	Flat Washer .474 ID x .879 OD x .064	Rondelle plate 0,474 DI x 0,879 DE x 0,064

HP36  
5.3.05

\* w/light cut out and chute tilt cut out  
avec ouvertures pour phare et pour goulotte inclinable

\*\* w/light cut out & w/o chute tilt cut out  
avec ouvertures pour phare, sans ouverture pour goulotte inclinable

■ w/hole for top mounting light  
avec trou de montage du phare

■ w/hole for top mounting light and chute tilt cut out  
avec trou de montage du phare et pour goulotte inclinable

✦ w/ light cut out, chute tilt cut out & heated grips  
avec ouvertures pour phare et goulotte inclinable et poignées chauffées