



Wheel Horse®
42" Snowthrower
for
5xi Lawn and Garden Tractors
Model No. 79365 – 8900001 & Up

Operator's Manual

IMPORTANT: Read this manual, and **your tractor manual**, carefully. They contain information about your safety and the safety of others. Also become familiar with the controls and their proper use before you operate the product.

Introduction

We want you to be completely satisfied with your new product, so feel free to contact your local Authorized Service Dealer for help with service, genuine replacement parts, or other information you may require.

Whenever you contact your Authorized Service Dealer or the factory, always know the model and serial numbers of your product. These numbers will help the Service Dealer or Service Representative provide exact information about your specific product. You will find the model and serial number plate located in a unique place on the product as shown below.

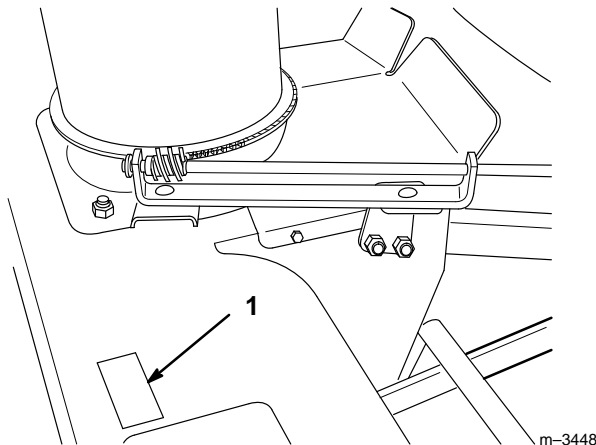


Figure 1

1. Model and Serial Number Plate

For your convenience, write the product model and serial numbers in the space below.

Model No: _____
Serial No. _____

The warning system in this manual identifies potential hazards and has special safety messages that help you and others avoid personal injury, even death. **DANGER**, **WARNING** and **CAUTION** are signal words used to identify the level of hazard. However, regardless of the hazard, be extremely careful.

DANGER signals an extreme hazard that will cause serious injury or death if the recommended precautions are not followed.

WARNING signals a hazard that may cause serious injury or death if the recommended precautions are not followed.

CAUTION signals a hazard that may cause minor or moderate injury if the recommended precautions are not followed.

Two other words are also used to highlight information. “Important” calls attention to special mechanical information and “Note” emphasizes general information worthy of special attention.

The left and right side of the machine is determined by sitting on the seat in the normal operator’s position.

Contents

	Page		Page
Safety and Instruction Decals	2	Adjusting The Discharge Chute	14
Installation	3	Tips for Throwing Snow	15
Loose Parts	3	Maintenance	16
Assembly	5	Service Interval Chart	16
Tractor Set-up	7	Greasing and Lubrication	16
Installing the Snowthrower to the Tractor ..	8	Adjusting the Skids	17
Removing the Snowthrower	11	Reversing the Scraper Blade	18
Operation	13	Adjusting Drive Chain Tension	18
Operating the Power Take Off (PTO)	13	Storage	19
Attachment Lift Lever	14		

Safety and Instruction Decals



Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.

ON UPPER DISCHARGE CHUTE (Part No. 94-8078)



ON TOP OF HOUSING (Part No. 63-2380)



ON TOP OF HOUSING (Part No. 92-8652)



Installation

Loose Parts

Note: Rear wheel weights and chains, which must be purchased separately, are required to operate the tractor equipped with this snowthrower. Use the chart below to identify parts used for assembly.

DESCRIPTION	QTY.	USE
Top plate	1	Assemble top and side plates
Side plate	2	
Carriage bolt 3/8–16 x 1" (25 mm)	9	
Washer 3/8" (10 mm)	9	
Locknut 3/8"	9	
Upper discharge chute	1	Assemble discharge chute
Lower discharge chute	1	
Carriage bolt 5/16–18 x 5/8" (16 mm)	3	
Carriage bolt 5/16–18 x 3/4" (19 mm)	3	
Washer 5/16" (8 mm)	6	
Locknut 5/16"	6	
Deflector shield	1	

DESCRIPTION	QTY.	USE
Auger housing	1	Assemble frame and pulley
Lift bar—long	2	
Lift bar—short	2	
Bolt 3/8–16 x 1–1/4" (31 mm)	12	
Bolt 3/8–16 x 2–1/4" (57 mm)	2	
Locknut 3/8"	14	
Lower snow shield	1	
Pulley housing	1	
Upper snow shield	1	
Screw #10 x 1/2" (12 mm)	4	
Lift tube	1	
Lift rod	1	
Spacer washer 3/4" (8 mm)	2	
Clevis clip	1	
Clevis pin 1/2" x 2" (51 mm)	1	
Rotator assembly	1	
Carriage bolt 5/18–18 x 1" (25 mm)	2	
Rotator support bracket	1	
Washer 13/32 (10 mm)	2	
Pyramidal washer 5/16" (8 mm)	1	
Washer 5/16" (8 mm)	1	
Locknut 5/16"	2	
Clevis pin 3/8" x 1" (25 mm)	2	Prepare tractor attachment lift
Hairpin cotter—large	2	
Belt	1	Mount the snowthrower to the tractor
Clevis pin 1/2" x 1" (25 mm)	1	
Clevis clip	1	
Chute control rod	1	
Crank support	1	
Hairpin cotter—small	2	
Operator's Manual	1	Read before operating

Assembly

Assemble the Top and Side Plates

1. Position the top plate outside the top flange of the housing. Secure with (3) 3/8 x 1" (25 mm) carriage bolts (heads on the inside) (3) 3/8" washers (10 mm) and (3) 3/8" locknuts (Fig. 2).
2. Position the side plates outside the housing side flanges, with the cutting edges parallel to the side of the housing, and secure them with (6) 3/8 x 1" (25 mm) carriage bolts (heads on the inside), (6) 3/8" (10 mm) washers and (6) 3/8" locknuts (Fig. 2).

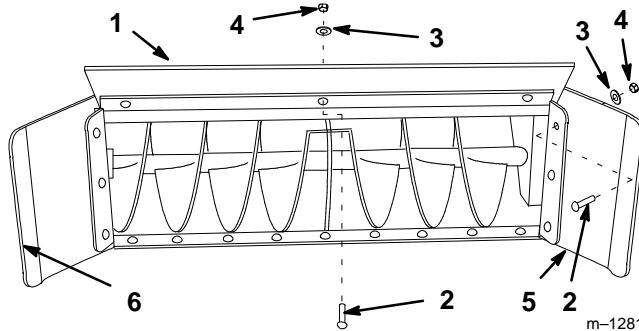


Figure 2

- | | |
|-----------------------------------|-----------------|
| 1. Top plate | 4. Locknut 3/8" |
| 2. Carriage bolt 3/8 x 1" (25 mm) | 5. Side plate |
| 3. Washer 3/8" (10 mm) | 6. Cutting edge |

Assemble the Discharge Chute

1. Assemble the upper discharge chute section outside and on top of the lower section with (3) 5/16 x 5/8" (16 mm) bolts (heads on the inside), (3) 5/16" (8 mm) washers and (3) 5/16" locknuts (Fig. 3).

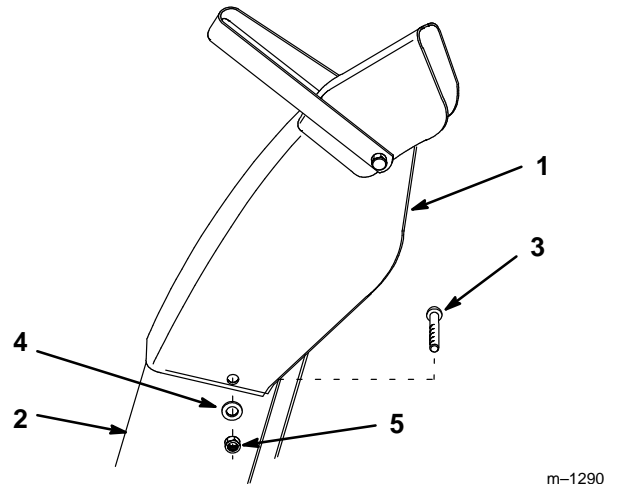


Figure 3

- | | |
|--------------------------------------|------------------------|
| 1. Upper section | 4. Washer 5/16" (8 mm) |
| 2. Lower section | 5. Locknut 5/16" |
| 3. Carriage bolt 5/16 x 5/8" (16 mm) | |

2. Install the discharge chute assembly and deflector shield onto the housing with (3) 5/16 x 3/4" (19 mm) carriage bolts (heads to the inside), (3) 5/16" (8 mm) washers and (3) 5/16" locknuts (Fig. 4).

Note: The deflector shield must be installed inside the lower section of the chute assembly.

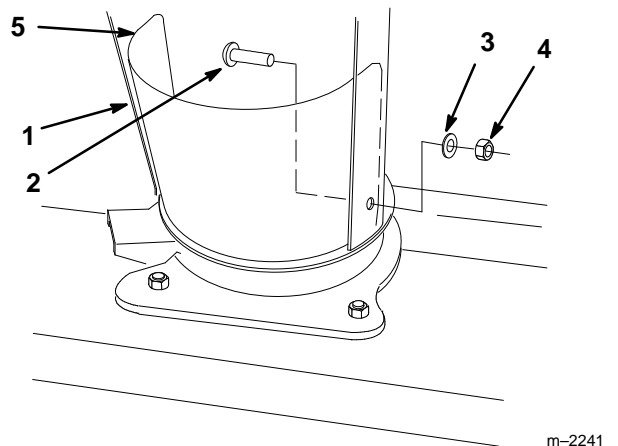


Figure 4

- | | |
|--------------------------------------|------------------------|
| 1. Discharge chute assembly | 3. Washer 5/16" (8 mm) |
| 2. Carriage bolt 5/16 x 3/4" (19 mm) | 4. Locknut 5/16" |
| | 5. Deflector shield |

Assemble Frame and Pulley

1. Attach the long lift bars to the bottom holes on the outside of the snowthrower auger housing and lower snow shield with (4) 3/8 x 1-1/4 (32 mm) carriage bolts and (4) 3/8" locknuts (Fig. 5).
- Note:** Do not tighten the locknuts completely until all of the lift bars have been attached.
2. On the right-hand side of the auger housing, attach a short lift bar to the upper holes on the inside of the housing with (2) 3/8 x 1-1/4" (32 mm) carriage bolts and (2) 3/8" locknuts (Fig. 5).
 3. On the left-hand side of the auger housing, attach a short lift bar and the rotator support bracket to the upper holes in the housing with (2) 3/8 x 1-1/4" (32 mm) bolts, (2) 13/32" (10 mm) washers, and (2) 3/8" locknuts. Make sure the short lift bar is on the inside of the auger housing and the rotator support bracket is on the outside (Fig. 5).

Note: The washers are spacers between the rotator support bracket and the auger housing.

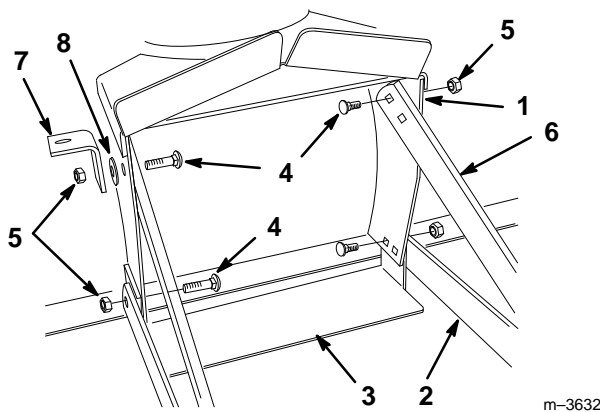


Figure 5

- | | |
|--------------------------------------|----------------------------|
| 1. Auger housing | 5. Locknut 3/8" |
| 2. Long lift bar | 6. Short lift bar |
| 3. Lower snow shield | 7. Rotator support bracket |
| 4. Carriage bolt 3/8 x 1-1/4 (32 mm) | 8. Washer 13/32" (10 mm) |

4. Attach the long lift bars to the outside of the pulley housing with (4) 3/8 x 1-1/4 (32 mm) carriage bolts and (4) 3/8" locknuts (Fig. 6).
5. Attach the short lift bars to the pulley housing with (2) 3/8 x 2-1/4 (57 mm) bolts and (2) 3/8" locknuts (Fig. 6). Tighten all (14) of the locknuts that attach the lift bars.

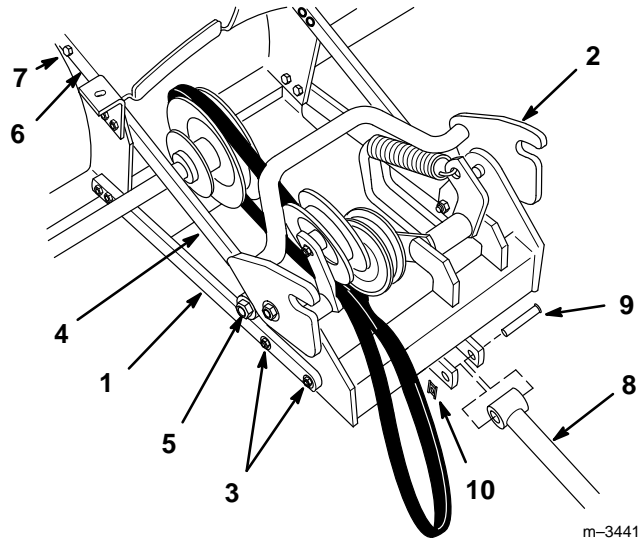
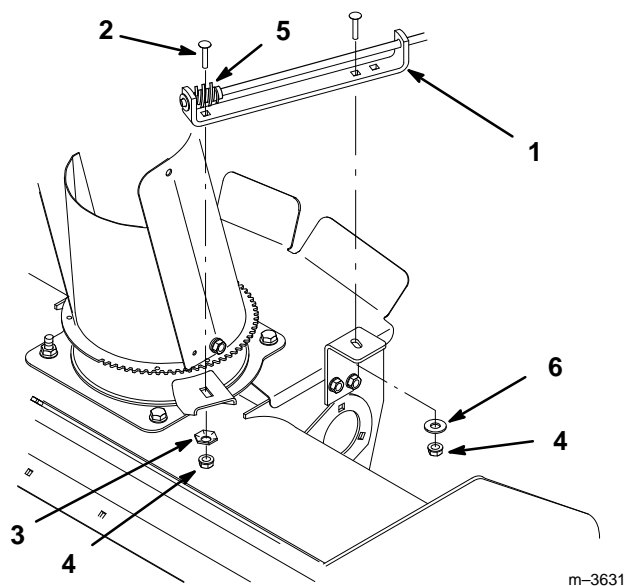


Figure 6

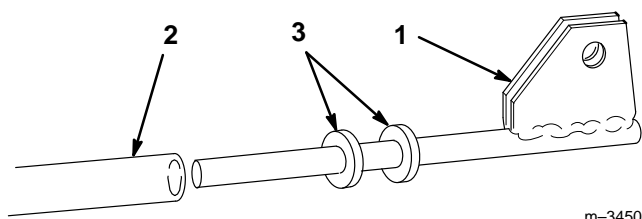
- | | |
|---|-----------------------------|
| 1. Long lift bar | 6. Upper snow shield |
| 2. Pulley housing | 7. Screw #10 x 1/2" (13 mm) |
| 3. Carriage bolt 3/8 x 1-1/4 (32 mm) and locknut 3/8" | 8. Lift tube |
| 4. Short lift bar | 9. Clevis pin 2" (51 mm) |
| 5. Carriage bolt 3/8 x 2-1/4 (57 mm) and locknut 3/8" | 10. Clevis clip |

6. Attach the upper snow shield on the auger housing. Use (4) #10 x 1/2" (13 mm) self-tapping screws (Fig. 6).
7. Install the discharge chute rotator assembly into the slots in the housing with (2) 5/16 x 1" (25 mm) carriage bolts, a 5/16" (8 mm) pyramidal washer (concave side up), a 5/16" (8 mm) flat washer, and (2) 5/16" locknuts (Fig. 7).
8. Adjust the rotator assembly so that the worm gear is parallel with the chute, the teeth mesh fully, and the chute turns freely. Tighten the locknuts securely.

**Figure 7**

- | | |
|------------------------------------|-----------------------------|
| 1. Rotator assembly | 4. Locknut 5/16" |
| 2. Carriage bolt 5/16 x 1" (25 mm) | 5. Worm gear |
| 3. Pyramidal washer 5/16" (8 mm) | 6. Flat washer 5/16" (8 mm) |

9. Connect the lift tube to the pulley housing with the 2" (51 mm) clevis pin and clip (Fig. 6)
10. Add (2) 3/4" (8 mm) washers onto the end of the lift rod, then slide it into the lift tube (Fig. 8).

**Figure 8**

- | | |
|--------------|-----------------------|
| 1. Lift rod | 3. Washer 3/4" (8 mm) |
| 2. Lift tube | |

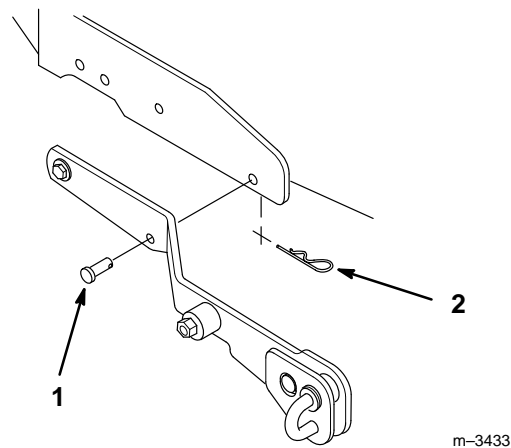
Tractor Set-up

Installing Rear Wheel Weights and Chains

Install the rear wheel weights and chains. Refer to Attachment Operator's Manual for instructions.

Preparing the Tractor's Attachment Lift

1. Start the tractor.
2. Raise the attachment lift.
3. Set the parking brake and turn the ignition key to "STOP" to stop the engine. Remove the key.
4. Install clevis pins into each side of the lift assembly in the positions shown in Figure 9.

**Figure 9**

- | | |
|---------------------------------|-------------------|
| 1. Clevis pin 3/8" x 1" (25 mm) | 2. Hairpin cotter |
|---------------------------------|-------------------|

These pins must be installed when operating with a blade, snowthrower, or the tiller attachment.

Note: The pins are removed to attach a mower.

Installing the Snowthrower to the Tractor

1. Position the snowthrower on a level surface with space behind the snowthrower to accommodate the tractor.
2. Park the tractor with the snowthrower lift rod between the tractor wheels (Fig. 10). Lower the attachment lift and turn the ignition key to "STOP" to stop the engine. Remove the key.

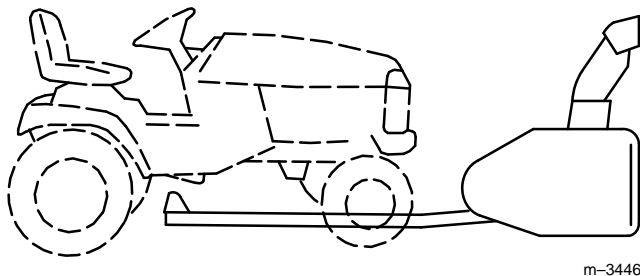


Figure 10

3. Check the front Attach-A-Matic™ latches to be sure they are open (Fig. 11).

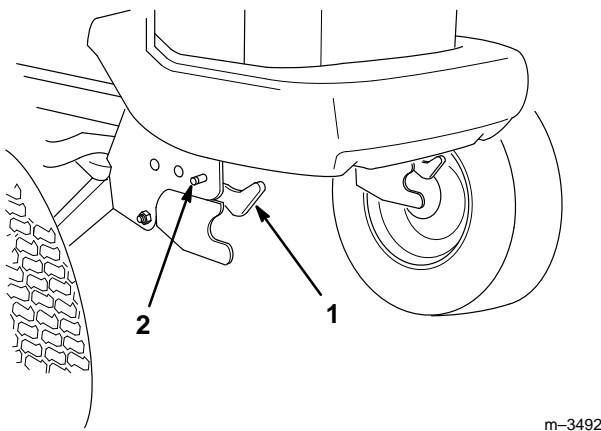


Figure 11

1. Attach-A-Matic™ button
2. Attach-A-Matic™ lever

4. With the High-Low range selector in neutral "N," pull the tractor forward with one hand while lifting up the snowthrower pulley box assembly and fit it into the two latches on the front Attach-A-Matic™ (Fig. 12). Secure the latches. Set the parking brake.

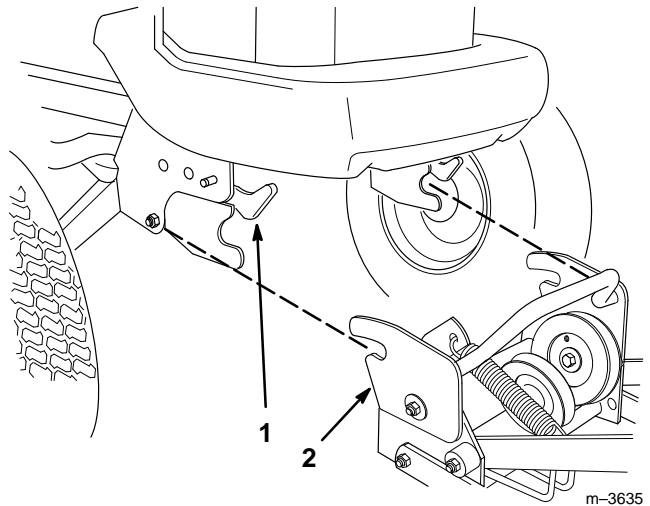
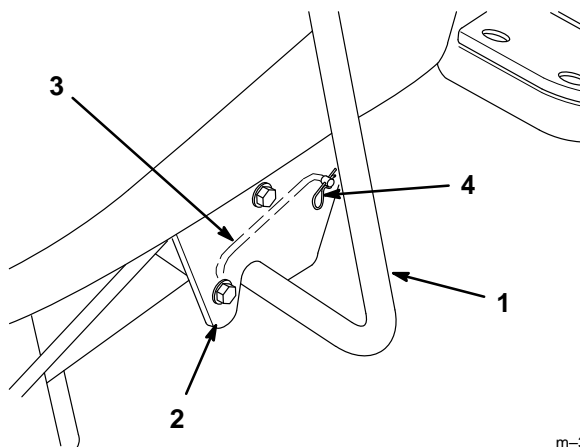


Figure 12

1. Attach-A-Matic™ latches
2. Snowthrower pulley box

5. Next install the crank support to the mid Attach-A-Matic™ by:

- A. Placing the crank support in position on the left side of the tractor (Fig. 13) with the positioning pin coming through the hole in the Attach-A-Matic™. Install the hairpin cotter through the hole in the positioning pin.
- B. On the right side of the tractor, turn the Attach-A-Matic™ lever counterclockwise to lock the crank support to the tractor (Fig. 14).

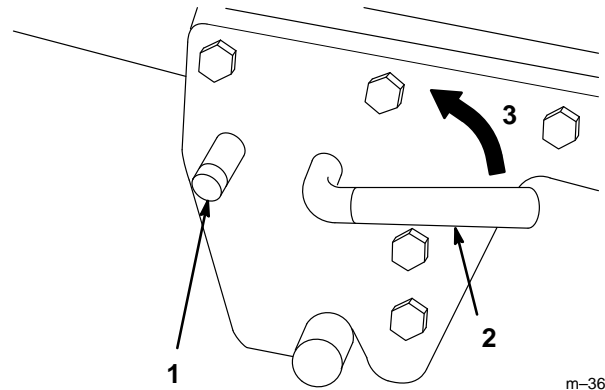


m-3447

Figure 13

Left side of tractor shown

- | | |
|-----------------------|--------------------|
| 1. Crank support | 3. Positioning pin |
| 2. Mid Attach-A-Matic | 4. Hairpin cotter |



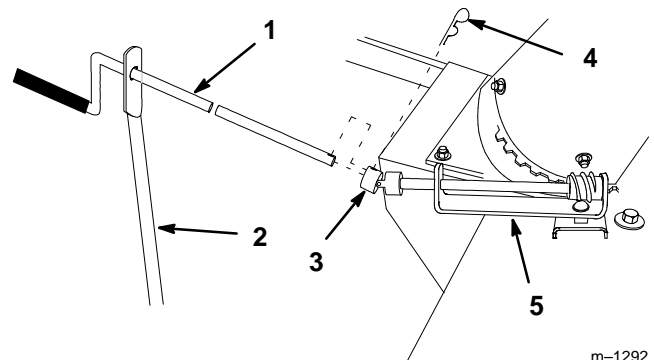
m-3628

Figure 14

Right side of tractor shown

- | | |
|--|---------|
| 1. Mid Attach-A-Matic™
release button | 3. Lock |
| 2. Mid Attach-A-Matic™
lever | |

6. Slide the chute control rod through the crank support and connect the end of the control rod to the universal joint on the rotator assembly with a hairpin cotter.



m-1292

Figure 15

- | | |
|----------------------|---------------------|
| 1. Chute control rod | 4. Hairpin cotter |
| 2. Crank support | 5. Rotator assembly |
| 3. Universal joint | |

7. From beneath the tractor, connect the snowthrower lift rod to the bottom hole in the attachment lift plate with the 1" (25 mm) clevis pin and clip (Fig. 16).

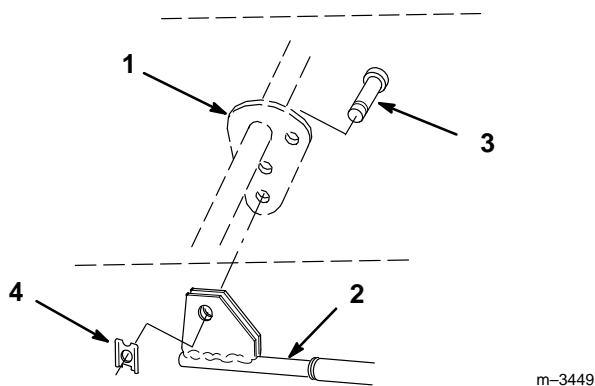


Figure 16

Right side of tractor shown

- | | |
|--------------------------|---------------------------------|
| 1. Attachment lift plate | 3. Clevis pin 1/2" x 1" (25 mm) |
| 2. Snowthrower lift rod | 4. Clevis clip |

8. Install the snowthrower belt to the PTO pulley:

- A. Remove the tractor grill by pulling it out toward you.

CAUTION

POTENTIAL HAZARD

- Components under the hood will be hot if the tractor has been running.

WHAT CAN HAPPEN

- Touching hot components can cause burns.

HOW TO AVOID THE HAZARD

- Allow the tractor to cool before performing maintenance or touching components under the hood.

- B. Route the belt around the tractor PTO pulley and v-groove idler pulley, then around the auger pulley on the snowthrower. Lift up on the lift handle of the backside idler pulley and place the wide, back surface of the belt under the pulley (Fig. 17 & 18).

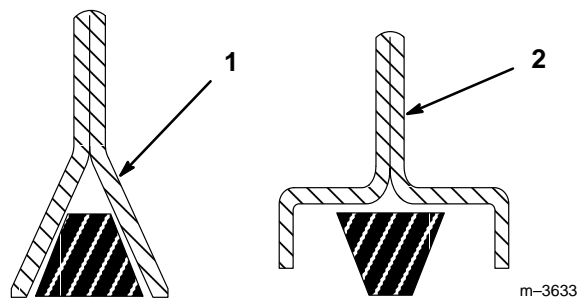


Figure 17

- | | |
|--------------------|--------------------|
| 1. V-Groove pulley | 2. Backside pulley |
|--------------------|--------------------|

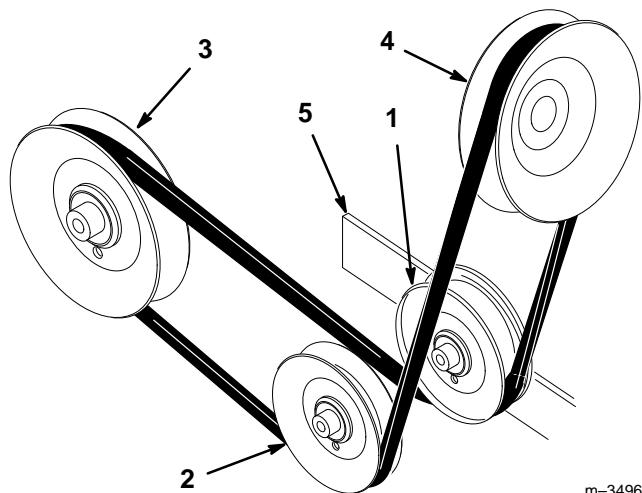


Figure 18

- | | |
|----------------------------------|----------------------|
| 1. Backside tension idler pulley | 3. Auger pulley |
| 2. V-groove idler pulley | 4. Engine PTO pulley |
| | 5. Lift handle |

- C. Replace the front grill of the tractor.

Removing the Snowthrower

1. Park the tractor on a level surface, lower the attachment lift, disengage the power take off (PTO), set the parking brake, turn the ignition key to “STOP” to stop the engine. Remove the key.
2. Remove the tractor’s grill by pulling it out toward you.



CAUTION

POTENTIAL HAZARD

- Components under the hood will be hot if the tractor has been running.

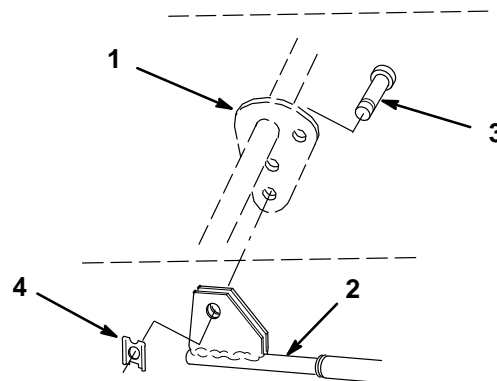
WHAT CAN HAPPEN

- Touching hot components can cause burns.

HOW TO AVOID THE HAZARD

- Allow the tractor to cool before performing maintenance or touching components under the hood.

3. Lift up on the lift handle of the snowthrower idler pulley to create enough slack to remove the belt (Fig. 18).
4. Replace the front grill of the tractor.
5. Disconnect the snowthrower lift rod from the attachment lift plate by removing the clip from the clevis pin (Fig. 19).

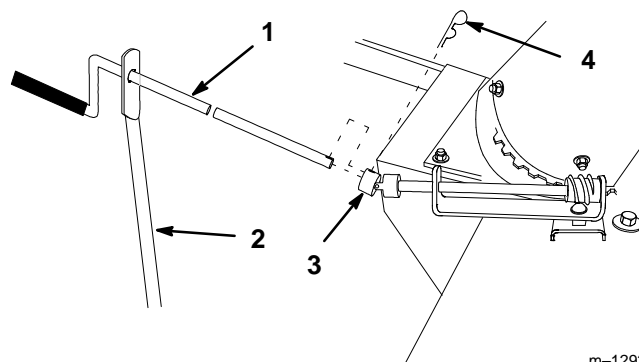


m-3449

Figure 19

- | | |
|--------------------------|----------------|
| 1. Attachment lift plate | 3. Clevis pin |
| 2. Snowthrower lift rod | 4. Clevis clip |

6. Remove the chute control rod by removing the hairpin cotter connecting it to the universal joint (Fig. 20).



m-1292

Figure 20

- | | |
|----------------------|--------------------|
| 1. Chute control rod | 3. Universal joint |
| 2. Crank support | 4. Hairpin cotter |

7. Release the crank support for the chute control rod from the mid Attach-A-Matic™ by pressing the release button and turning the Attach-A-Matic™ lever clockwise (Fig. 21).

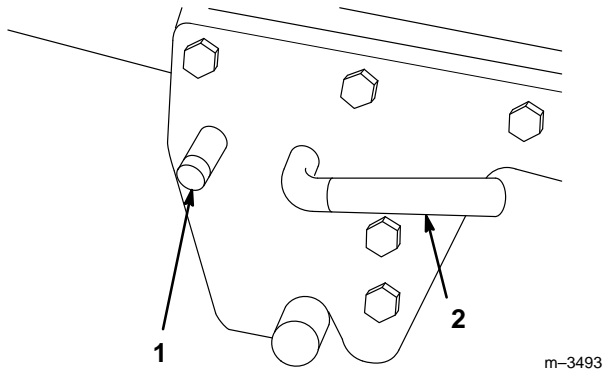


Figure 21

Right side of tractor shown

- | | |
|--|---------------------------------|
| 1. Mid Attach-A-Matic™
release button | 2. Mid Attach-A-Matic™
lever |
|--|---------------------------------|

-
8. On the left side of the tractor, remove the hairpin cotter from the positioning pin, and remove the crank support (Fig. 22).

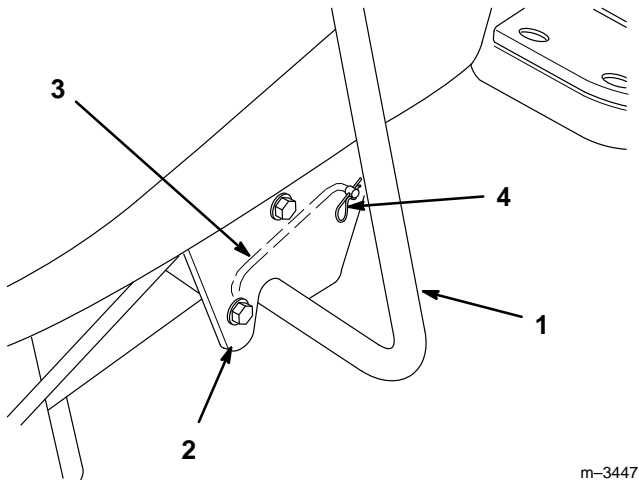


Figure 22

Left side of tractor shown

- | | |
|------------------------|--------------------|
| 1. Crank support | 3. Positioning pin |
| 2. Mid Attach-A-Matic™ | 4. Hairpin cotter |

Operation

DANGER

POTENTIAL HAZARD

- When the snowthrower is attached to the tractor, without additional weight, the tractor may become unstable.

WHAT CAN HAPPEN

- Loss of traction and stability may cause loss of tractor control.

HOW TO AVOID THE HAZARD

- **NEVER** operate the tractor equipped with the snowthrower, unless rear weights are installed.

DANGER

POTENTIAL HAZARD

- Rotating auger can cut off fingers, hands or other body parts and throw objects.

WHAT CAN HAPPEN

- Contact with rotating auger and thrown debris can cause severe injury or death.

HOW TO AVOID THE HAZARD

- Stay away from the discharge and auger openings while operating the snowthrower.
- Keep your hands, feet, and any other part of your body or clothing away from concealed, moving or rotating parts.
- Use a stick, not your hand, to remove obstructions from the discharge chute or auger housing.
- Before adjusting, cleaning, repairing and inspecting the snowthrower and before unclogging the discharge chute, shut off the engine and wait for all moving parts to stop. Move the power take off (PTO) to “OFF” and rotate the ignition key to “OFF.” Remove the key.

Operating the Power Take Off (PTO)

The power take-off (PTO) switch engages and disengages power to the electric clutch.

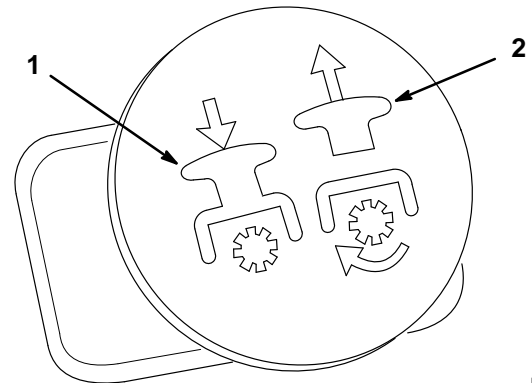
If the ignition key is in the RUN or LIGHTS position and the power take off (PTO) is engaged, the PTO indicator light will be on. When this light is on, it is a reminder: the implement is being powered and the starter will not crank while the PTO is engaged. Always turn off the PTO before getting off the seat.

Engaging the Power Take Off (PTO)

1. Depress the brake pedal to stop the machine.
2. Move the throttle lever to FAST.

IMPORTANT: For best performance, always use full throttle when the power take off (PTO) switch is ON.

3. Pull the power take off (PTO) switch to ON (Fig. 23).



m-3264

Figure 23

1. Push (off-disengaged)
2. Pull (on-engaged)

Disengaging the Power Take Off (PTO)

1. Push the power take off (PTO) switch to OFF.

Attachment Lift Lever

The attachment lift lever (Fig. 24 & 25) is used to raise and lower various attachments.

Raising Attachments

1. Start the tractor.
2. Pull the attachment lift lever upward until the latch locks. In this position, the lift will hold the attachment in the up, or raised position.

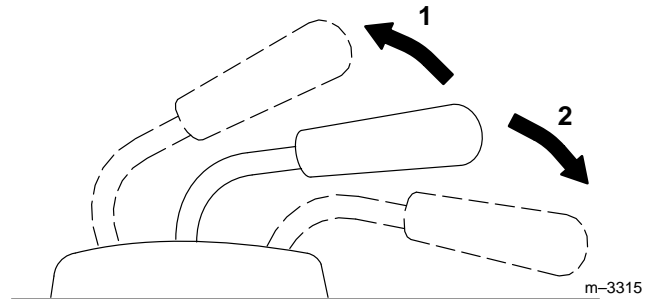


Figure 25

1. Raise attachment
2. Lower attachment

! WARNING

POTENTIAL HAZARD

- When the engine is off, attachments in the raised position can gradually lower.

WHAT CAN HAPPEN

- Someone nearby may be pinned or injured by the attachment as it lowers.

HOW TO AVOID THE HAZARD

- Always lower the attachment lift each time you shut off the tractor.

Lowering Attachments

1. Start the tractor.
2. Push the attachment lift lever downward to lower the attachment.

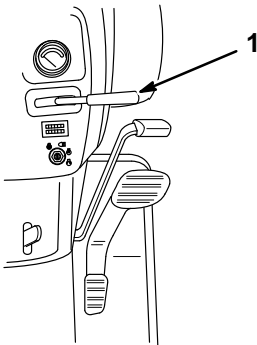


Figure 24

1. Attachment lift lever

Adjusting The Discharge Chute

! DANGER

POTENTIAL HAZARD

- The rotating auger can cut off fingers, hands or other body parts and throw objects.

WHAT CAN HAPPEN

- Contact with the rotating auger and thrown debris can cause severe injury or even death.

HOW TO AVOID THE HAZARD

- Stay away from the discharge and auger openings while operating the snowthrower.
- Keep your hands, feet, and any other parts of your body or clothing away from concealed, moving or rotating parts.
- Use a stick, not your hand, to remove obstructions from the discharge chute or auger housing.
- Before adjusting, cleaning, repairing and inspecting the snowthrower and before unclogging the discharge chute, shut off the engine and wait for all moving parts to stop. Move the power take off (PTO) to "OFF" and rotate the ignition key to "OFF." Remove the key.

The discharge chute can be rotated 180° side to side. The direction is controlled by turning the crank handle (Fig. 26).

The chute deflector, on top of the discharge chute, can be moved up and down to control the height and distance snow is thrown (Fig. 26).

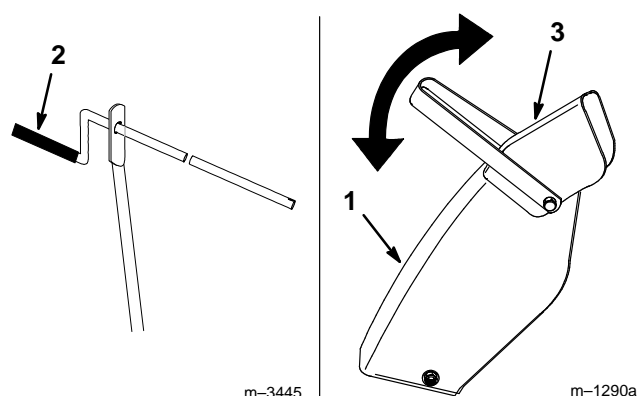


Figure 26

- 1. Discharge chute
- 2. Crank handle
- 3. Chute deflector

Tips for Throwing Snow

Remove snow as soon as possible after it falls. This produces best snow removal results.

Adjust the skids to match the type of surface being cleaned; refer to Adjusting the Skids, page 17.

The snowthrower is designed to clean snow down to the contact surface, but there are times when the front of the snowthrower may tend to ride up. If this happens, reduce forward speed.

Discharge snow downwind whenever possible, and overlap each pass to ensure complete snow removal. If the wheels slip, shift into the High-Low range lever to Low "L" to reduce forward speed.

Run the snowthrower for a few minutes after clearing snow so moving parts do not freeze. Engage the power take off (PTO) to clear any remaining snow from the inside housing.

Do not overload the snowthrower by clearing snow at too fast a rate. If the engine slows down, reduce forward speed.

Always use full throttle (maximum engine speed) when throwing snow.

In wet or slushy conditions, clogging of the discharge chute will be reduced by maintaining maximum engine speed and by not overloading the engine.

In some snow and cold weather conditions, some controls and moving parts may freeze. Therefore, when any control becomes hard to operate, stop the machine and wait for all moving parts to stop; then check all parts for freeze up. **DO NOT USE EXCESSIVE FORCE AND TRY TO OPERATE THE CONTROLS WHEN FROZEN.** Free all controls and moving parts before operating.

Use low range (on the high-low range lever) for best performance and smoothest operation.

Maintenance

Service Interval Chart

Service Operation	Each Use	5 Hours	25 Hours	Storage Service	Fall Service	Notes
Drive shaft bearings—grease			X	X	X	
Drive chain—oil			X	X	X	
Belt—check for wear/cracks				X	X	
Chipped Surfaces—paint				X		
Scraper—check for wear				X	X	

CAUTION

POTENTIAL HAZARD

- If you leave the key in the ignition switch, someone could start the engine.

WHAT CAN HAPPEN

- Accidental starting of the engine could seriously injure you or other bystanders.

HOW TO AVOID THE HAZARD

- Remove the key from the ignition switch and pull the wire(s) off the spark plug(s) before you do any maintenance. Also push the wire(s) aside so it does not accidentally contact the spark plug(s).

Greasing and Lubrication

Service Interval Specification

Grease and oil the machine after every 25 operating hours or once a year, whichever occurs first.

Grease Type: General-purpose grease.

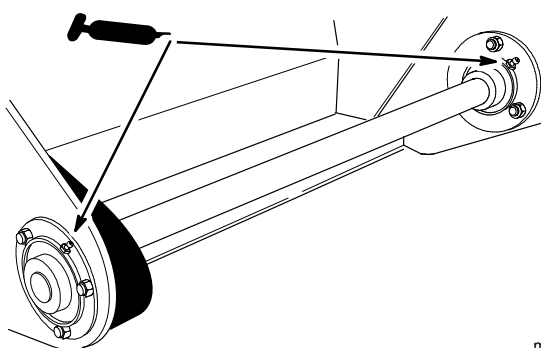
Oil Type: SAE 10W or 10W30.

How to Grease

1. Disengage the power take off (PTO), set the parking brake, lower the attachment lift, and turn the ignition key to “STOP” to stop the engine. Remove the key.
2. Clean the grease fittings with a rag. Make sure to scrape any paint off the front of the fitting(s).
3. Connect a grease gun to the fittings. Pump grease into the fittings. Wipe up any excess grease.

Where to Add Grease

1. Lubricate the drive shaft bearings (Fig. 27).

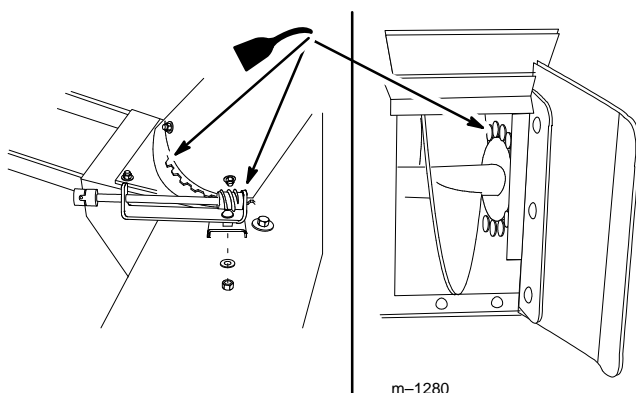


m-3494

Figure 27

Oil the Drive Chain

1. Disengage the power take off (PTO), set the parking brake, lower the attachment lift, and turn the ignition key to "STOP" to stop the engine. Remove the key.
2. Coat the entire chain with oil and allow it to penetrate each roller (Fig.).
3. Place a few drops of oil on the discharge chute rotator shaft and discharge chute mounting (Fig. 28).
4. Wipe off excess oil.



m-1280

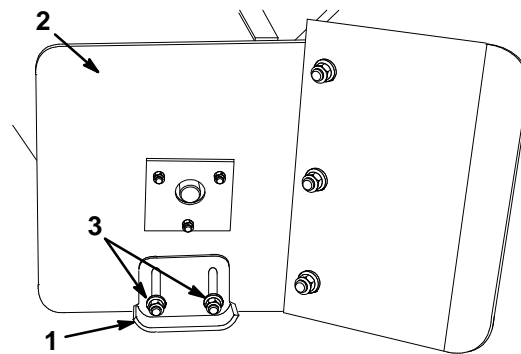
Figure 28

Adjusting the Skids

The distance between the scraper blade and the ground is controlled by skids on each side of the housing. The height can be adjusted so the scraper blade will not catch on uneven surfaces

1. Move the snowthrower to a level surface.
2. Disengage the power take off (PTO) and set the parking brake. Raise the attachment lift enough for the skids to clear the ground. Support the snowthrower housing off the ground. Turn the ignition key to "STOP" to stop the engine. Remove the key.
3. Loosen the nuts securing the skids to the housing until the skids slide up and down easily (Fig. 29).
4. Raise or lower the skids equally on both sides to obtain level scraping action, and tighten nuts securely (Fig. 29).

Note: On smooth, paved surfaces, the scraper blade can be close to the surface. On uneven, gravel or crushed rock surfaces, adjust the skids to raise the scraper, thereby preventing catching or picking up rocks.



m-1284

Figure 29

- | | |
|------------|--------|
| 1. Skid | 3. Nut |
| 2. Housing | |

IMPORTANT: The scraper should be higher above the pavement if the pavement surfaces on which the snowthrower will be used are cracked, rough or uneven.

Reversing the Scraper Blade

The scraper blade contacts the ground, preventing damage to the snowthrower housing. Periodically inspect the scraper blade for wear. When the scraper becomes worn, before the working surface contacts the housing, reverse the scraper blade.

1. Disengage the power take off (PTO), set the parking brake, raise the attachment lift, and turn the ignition key to “STOP” to stop the engine. Remove the key.
2. Support the snowthrower housing off the ground.
3. Remove nuts, washers, carriage bolts and scraper blade (Fig. 30).

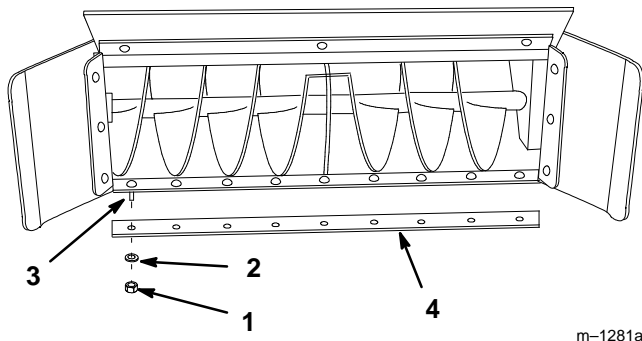


Figure 30

- | | |
|-----------|------------------|
| 1. Nut | 3. Carriage bolt |
| 2. Washer | 4. Scraper blade |

Reverse the scraper blade and install it with the previously removed hardware (Fig. 30).

Adjusting Drive Chain Tension

Check the drive chain tension after every 25 operating hours or once a year, whichever occurs first.

Adjustment as necessary to maintain proper tension.

4. Disengage the power take off (PTO), set the parking brake, lower the attachment lift, and turn the ignition key to “STOP” to stop the engine. Remove the key.
5. To adjust, loosen the bolt that secures the idler sprocket to the left-side housing. (Fig. 31).
6. Slide the idler sprocket in the adjustment slot until the chain is snug, but not tight (Fig. 31).
7. Tighten the idler sprocket securely.

IMPORTANT: Do not overtighten the chain or excessive wear will occur.

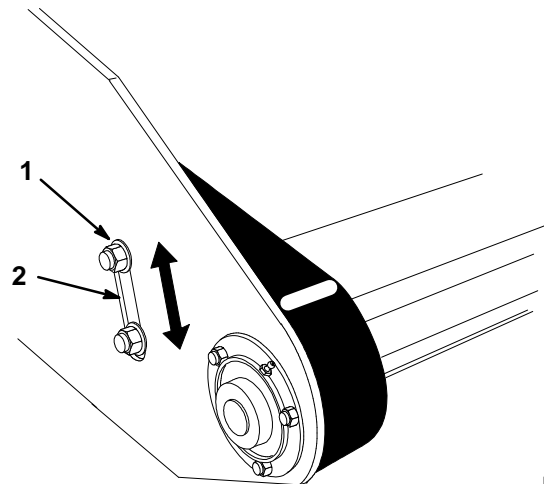


Figure 31

- | | |
|-------------------|--------------------|
| 1. Idler sprocket | 2. Adjustment slot |
|-------------------|--------------------|

Storage

1. Before long-term storage, wash the machine with mild detergent and water to remove dirt and grime from the entire machine.
2. Check the condition of the scraper blade; refer to Reversing the Scraper Blade, page 18.
3. Check the condition of the drive belt and chain.
4. Grease and oil the snowthrower; refer to Greasing and Lubrication, page 16.
5. Check and tighten all bolts, nuts, and screws. Repair or replace any part that is damaged or defective.
6. Paint all scratched or bare metal surfaces. Paint is available from your Authorized Service Dealer.
7. Coat the inside auger housing and discharge chute with automotive wax to prevent rust and reduce the sticking of snow to these surfaces.
8. Store the machine in a clean, dry garage or storage area. Cover the machine to protect it and keep it clean.

