

# How to use this file...(Operators Manuals)

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# OPERATOR'S MANUAL



## Large Frame Snowthrower Models

### 860 Models

| Mfg. No. | Description                   |
|----------|-------------------------------|
| 1691900  | 860, 8HP Snowthrower          |
| 1692469  | 860, 8HP Snowthrower (Export) |

### 970 Models

| Mfg. No. | Description                   |
|----------|-------------------------------|
| 1692569  | 970, 9HP Snowthrower          |
| 1692570  | 970, 9HP Snowthrower (Export) |

### 1080 Models

| Mfg. No. | Description                     |
|----------|---------------------------------|
| 1691899  | 1080, 10HP Snowthrower          |
| 1691948  | 1080, 10HP Snowthrower (Export) |

1714297-05

Rev 8/1998  
TP 100-2016-05-LW-S



MANUFACTURING, INC.  
500 N Spring Street / PO Box 997  
Port Washington, WI 53074-0997

[www.simplicitymfg.com](http://www.simplicitymfg.com)

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# Baker™

# OPERATOR'S MANUAL



## Large Frame Snowthrower Models

### 8/24E Models

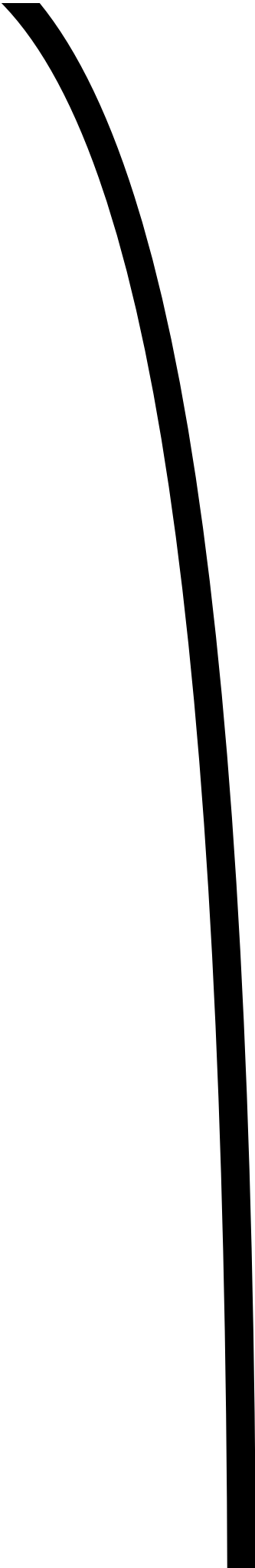
| Mfg. No. | Description           |
|----------|-----------------------|
| 1692616  | 824E, 8HP Snowthrower |

### 9/28 Models

| Mfg. No. | Description           |
|----------|-----------------------|
| 1692617  | 9/28, 9HP Snowthrower |

1715080-05

Rev 8/1998  
TP 100-2016-05-LW-B



**Baker**<sup>™</sup>

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Port Washington, WI 53074-0997

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### WARNING

You must read, understand and comply with all safety and operating instructions in this manual before attempting to set-up and operate your snowthrower.

Failure to comply with all safety and operating instructions can result in loss of machine control, serious personal injury to you and /or bystanders, and risk of equipment and property damage. The triangle in the text signifies important cautions or warnings which must be followed.



### WARNING

Engine exhaust from this product contains chemicals known, in certain quantities, to cause cancer, birth defects, or other reproductive harm.

**For easy reference, please record the information on the chart below.**

The Snowthrower Reference Data can be found on the identification tag located on the unit's rear frame. *(Refer to the Engine Owner's Manual for location of engine information serial number.)*

| SNOWTHROWER REFERENCE DATA  |                         |
|-----------------------------|-------------------------|
| Model Description/Number    |                         |
| M/N (Manufacturer's Number) | S/N (Serial Number)     |
| Dealer Name                 | Date Purchased          |
| ENGINE REFERENCE DATA       |                         |
| Engine Make/Model           | Engine ID/Serial Number |

# Safety Rules

---

## **WARNING**

This unit is a “two-stage” snowthrower.

The first stage is the auger, which feeds the snow back into the impeller housing. The second stage is the impeller, which throws the snow out the discharge chute. If bodily contact is made with the auger or impeller when they are rotating, severe personal injury will occur.

To avoid injury, keep others and yourself away from the auger and the discharge chute whenever the engine is running. Read and follow all of the safety rules and warnings in this manual.

## **WARNING**

To avoid serious injury, do not put your hands into the auger housing or discharge chute. If auger stalls or chute becomes plugged, use the following procedure to remove objects or clear the chute:

1. Release both the Drive and Auger Control levers.
2. Shut off the engine.
3. Remove the Engine Key.
4. Wait for moving parts to stop.
5. Disconnect spark plug wire.
6. Use a narrow board to remove foreign objects and clear the chute or auger. Never put your hands into the auger or discharge chute.

## GENERAL

- Read the Operator’s Manual carefully. Be thoroughly familiar with all controls and proper equipment use.
- Never allow children to operate the machine. Do not allow adults to operate it without proper instruction.
- Keep the area of operation clear of all persons, particularly small children and pets.
- Never discharge material toward any person or pet.
- Make sure:
  - a. snowthrower is in good operating condition;
  - b. all safety devices and shields are in place and working;
  - c. all adjustments are correct.

## PREPARATION

- Never attempt to make any adjustment while engine is running.
- Thoroughly inspect the area where the snowthrower is to be used and remove all objects such as door mats, sleds, boards, wires and sticks.
- Disengage all clutches (release Drive and Auger Control levers) before starting engine.
- Do not operate snowthrower without wearing proper winter clothing. Wear footwear which improves footing on slippery surfaces.
- Adjust Skid Shoe height to clear gravel or crushed rock surface.
- Handle gasoline with care - it is highly flammable.
  - a. Use approved gasoline container.
  - b. Never remove the fuel tank cap or add gasoline to a running or hot engine.
  - c. Never fill the fuel tank indoors.
  - d. Wipe up spilled gasoline.
- Do not run engine indoors. Exhaust fumes are deadly.



## OPERATION

- Keep hands and feet away from rotating parts. Keep clear of discharge opening at all times.
- Always clear snow up and down the face of slopes, never across the face. Use extreme caution when changing direction on slopes. Do not attempt to clear slopes over 17.7% (10°).
- Use extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards and traffic.
- Be especially careful not to touch snowthrower parts which might be hot from operation. Allow such parts to cool before attempting to maintain, adjust or service.
- If unit starts to vibrate abnormally, disengage drives and stop the engine. Check immediately for the cause. Vibration is generally a warning of trouble.
- Before leaving operator's position for any reason:
  - shut off engine,
  - remove the Engine Key and
  - wait for all moving parts to stop.
- Before cleaning, repairing or inspecting the unit, make certain all moving parts have stopped. Remove the key and then disconnect the spark plug wire to prevent accidental starting.
- Always use a grounded, 3-wire plug receptacle for electric starting.
- Adjust snow discharge angle for safe flow when operating near glass enclosures, automobiles, window wells, dropoffs, etc.
- Do not overload machine capacity by clearing snow at too fast a ground speed.
- Never operate machine at high transport speeds on slippery surfaces. Use care when backing up.
- Disengage Auger Control when transporting or not in use.
- Never operate the snowthrower without good visibility or light. Always be sure of your footing.
- Do not change the engine governor settings or over-speed the engine.
- Never direct the discharge chute at bystanders; nor allow anyone in front of the unit while it is operational.
- Never operate this machine without all of the proper guards or other safety protective devices in place.

## MAINTENANCE & STORAGE

- Keep all nuts, bolts and screws tight to ensure that the equipment is in safe operating condition.
- Never store equipment with gasoline in the tank in a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
- Always refer to the Operator's Manual for important details if snowthrower is to be stored for an extended period.
- Run auger drive a few seconds after completion of throwing snow to help clear out snow and prevent icing and freeze-up on unit.

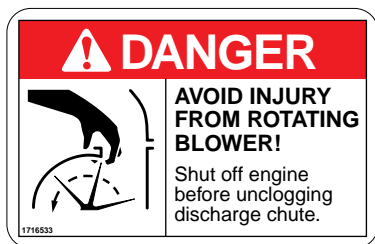
# Safety Signs & Decals

## SAFETY DECALS

Safety warning decals are placed at strategic locations on the snowthrower as a constant reminder to the operator of the most important safety precautions. All warning, caution and instructional messages on your snowthrower should be carefully read and obeyed. If any of these decals are lost or damaged, replace them at once. They can be purchased from your local dealer.



Part No. 1716543  
WARNING / Main Dash Decal



Part No. 1716533  
Discharge Chute Danger Decal

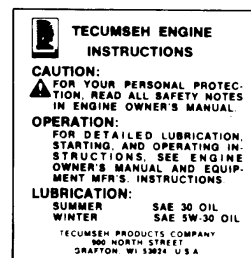
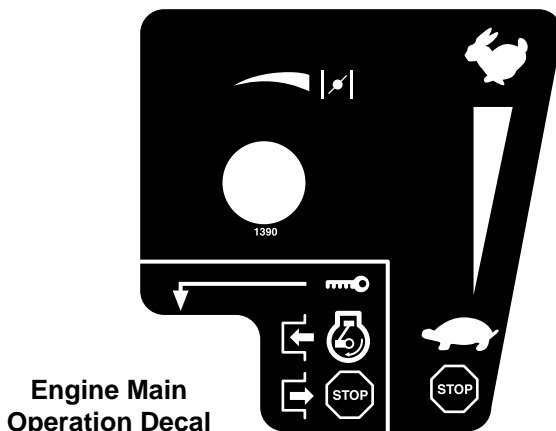


Part No. 1716532  
Auger Danger Decal

The decals below are supplied by the engine manufacturer. See your local Tecumseh dealer.



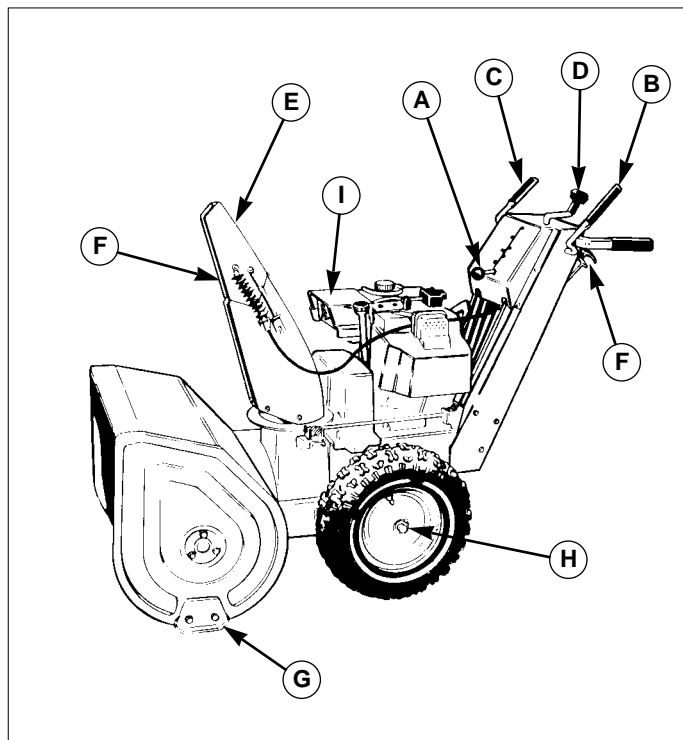
Engine "Hot" Decal



Engine Instruction Decal

**SNOWTHROWER CONTROLS**

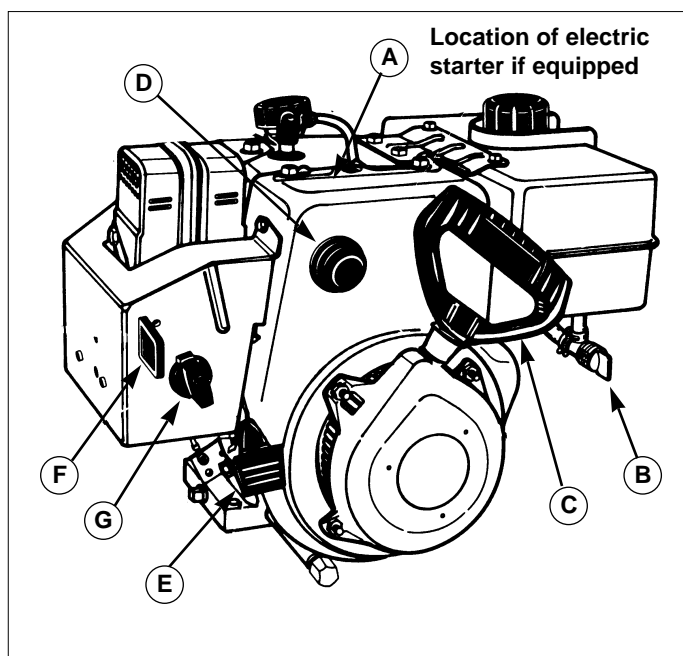
|          |  |   |
|----------|--|---|
| <b>A</b> | Speed Selector   | Selects Forward Speeds 1 - 5, Reverse Speeds 1 - 2.   |
| <b>B</b> | Traction & Free-Hand™ Control                          | Engages drive to wheels. Also allows continued Auger rotation when Auger Engage Control is released. See OPERATION. |
| <b>C</b> | Auger Engage Control                                   | Engages auger/impeller as it is depressed.  |
| <b>D</b> | Chute Direction Control                                | Rotates discharge chute to desired direction  |
| <b>E</b> | Chute Deflector  | Controls vertical angle snow is thrown.   |
| <b>F</b> | Chute Deflector Knob<br>OR<br>Remote Deflector Control | Controls and locks chute deflector at desired angle. (Remote on some units).  |
| <b>G</b> | Skid Shoes   | Controls height of scraper bar.   |
| <b>H</b> | Traction Lock Pins                                     | Engages for drive and disengages for free-wheeling.   |
| <b>I</b> | Headlight (optional)                                   | For use in low sunlight - early morning & late evening.   |



**Figure 1. Snowthrower Controls**  
(1080 Model Shown)

**ENGINE CONTROLS**

|          |                                  |   |
|----------|----------------------------------|---|
| <b>A</b> | Electric Start Button (Optional) | Activates electric starter  |
| <b>B</b> | Fuel Valve                       | Turns fuel supply on or off.  |
| <b>C</b> | Starter Handle                   | Used to start engine  |
| <b>D</b> | Primer Button                    | Primes carburetor for faster cold starting.                         |
| <b>E</b> | Throttle Lever                   | Controls engine speed   |
| <b>F</b> | Engine Key                       | Prevents starting of engine without key. Stops engine when removed. |
| <b>G</b> | Choke Knob                       | Adjusts air/fuel mixture  |



**Figure 2. Engine Controls**

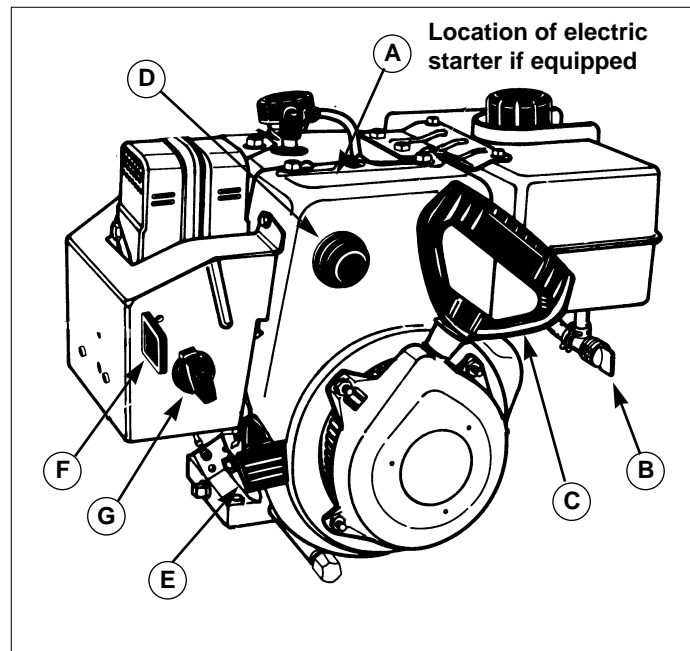
## STARTING CONTROLS

### Electric Start Units Only

**A. Electric Start Button** - The Electric Start Button (A, Figure 3) activates an electric starter mounted to the engine, eliminating the need to pull the starter handle. The Electric Start Button operates on 120 Volts AC, which is provided by connection to the extension cord provided with units equipped with this feature. **Connect this extension cord ONLY to a properly grounded 3 prong electrical outlet.**

### Manual Start

- B. Fuel Valve** - The fuel valve (B, Figure 3) is located under the fuel tank. It is used to turn the fuel supply off for out-of-season storage.
- C. Starter Handle** - The starter handle (C, Figure 3) connects to a starter cord to manually start the engine. Pulling starter handle rapidly spins the engine crankshaft, cycles the engine, and generates the spark necessary for starting the engine.
- D. Primer Button** - When pressed, the primer button (D, Figure 3) provides initial fuel to help start a cold engine. Normally, pressing the primer button twice will provide enough fuel to start a cold engine.
- E. Throttle Lever** - The throttle lever (E, Figure 3) controls the engine speed. For best overall performance, the throttle lever should be set to the **FAST** position. Use the **SLOW** position only for warming the engine, or to help prevent snow/ice freeze-up when shutting the unit down for the day.
- F. Engine Key** - The Engine Key (F, Figure 3) prevents the engine from being started by unauthorized individuals. The key must be fully inserted into the key slot for the unit to start. The key is also used to stop the engine by pulling the key out of the key slot.
- G. Choke Knob** - The Choke Knob (G, Figure 3) adjusts the air/fuel mixture, and is used to help start a cold engine by providing a richer mixture. Once the engine is warm and running smoothly, the Choke Knob should be set to the off position to provide a normal air/fuel mix.



**Figure 3. Engine Controls**

- |   |                          |
|---|--------------------------|
| <b>A. Electric Start Button</b><br>(On some units only) | <b>D. Primer Button</b>  |
| <b>B. Fuel Valve</b>                                    | <b>E. Throttle Lever</b> |
| <b>C. Starter Handle</b>                                | <b>F. Engine Key</b>     |
|   | <b>G. Choke Knob</b>     |

## GROUND SPEED CONTROLS

- A. Speed Selector** - This lever (A, Figures 4 & 5) is used to set the ground speed of the snowthrower. The snowthrower has five forward speeds, 1–5, and two reverse speeds, 1–2. No neutral position or gate is required, since the traction drive design automatically provides "neutral" (no forward or reverse movement), whenever the Drive Control is released.
- B. Traction & Free-Hand™ Control** - This control engages the traction drive as the lever (B, Figures 4 & 5) is depressed, and disengages the traction drive when the lever is released. When BOTH levers are depressed, the Free-Hand™ Control is activated. This allows Auger Engage Control to be released — YET AUGER ROTATION WILL CONTINUE until Free-Hand™ Control is released.

## AUGER ENGAGE CONTROL

- C. Auger Engage Control** - This clutch lever (C, Figures 4 & 5) engages the auger drive (which throws the snow) as the lever is depressed. Releasing the Auger Engage Control will disengage the auger — **unless the Free-Hand™ control has been activated (See Traction & Free-Hand™ Control above).**

## DEFLECTOR CONTROLS

- D. Chute Direction Control** - The Chute Direction Control (D, Figures 4 & 5), allows the discharge chute to be rotated to throw snow in the desired direction. Snow may be thrown at any angle from straight left, to straight forward, to straight right.
- E. Chute Deflector** - Controls the distance snow is thrown. Tilting the Chute Deflector (E, Figure 5) UP provides a higher stream and greater distance, while tilting the deflector DOWN provides a lower stream and less distance.
- F. Chute Deflector Knob OR Remote Deflector Control** - Controls the tilt angle of the Chute Deflector, and allows the discharge Chute Deflector (E, Figure 4) to be locked in the desired tilt position. Note for models without the Remote Deflector Control, the Chute Deflector Knob (F, Figure 5) is located on the Chute Deflector (E, Figure 5).

## SCRAPER HEIGHT CONTROL

- G. Scraper Bar Height Control** - The Skid Shoes (G, Figure 5) control the height the scraper bar (located at the bottom of the auger housing). The scraper bar allows smooth surfaces (such as concrete or asphalt driveways) to be scraped clean of snow. On surfaces such as gravel, the scraper bar should be adjusted higher — so that it will not pick up gravel or debris.

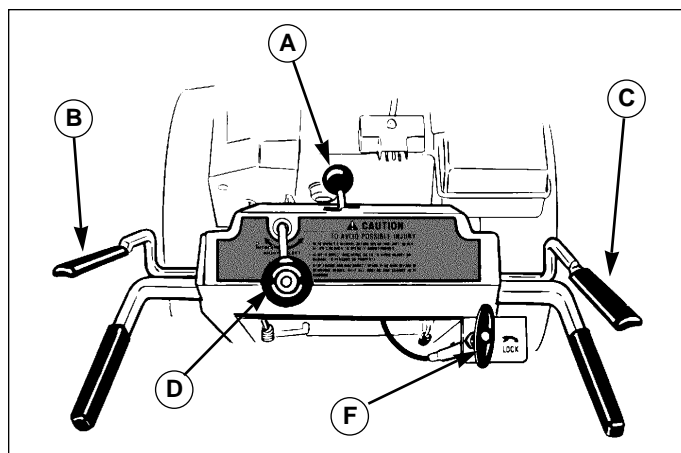


Figure 4. Operator's Control Position

- A. Speed Selector
- B. Traction & Free-Hand™ Control
- C. Auger Engage Control
- D. Chute Direction Control
- E. Chute Deflector (not shown)
- F. Remote Deflector Control.

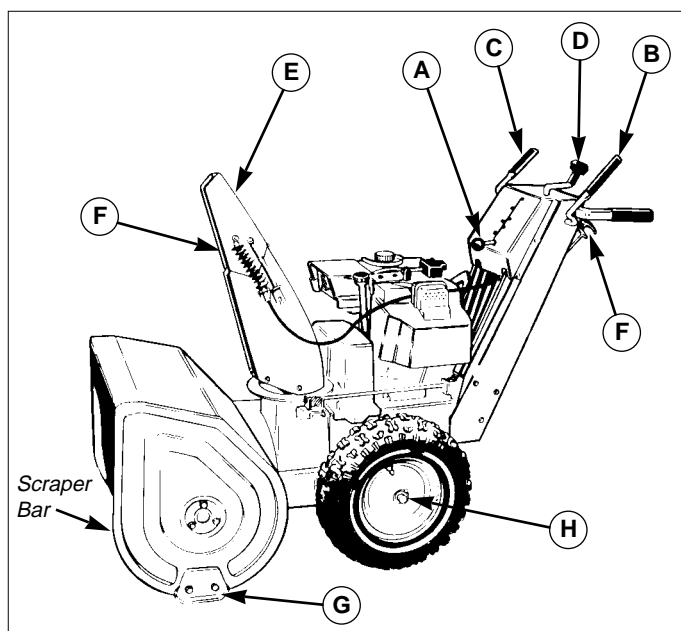


Figure 5. Snowthrower Operating Controls

- A. Speed Selector
- B. Traction & Free-Hand™ Control
- C. Auger Engage Control
- D. Chute Direction Control
- E. Chute Deflector
- F. Chute Deflector Knob OR Remote Deflector Control
- G. Skid Shoes
- H. Traction Lock Pins
- I. Headlight

## TRACTION LOCK CONTROL

- H. Traction Lock Pins** - The traction drive to each wheel can be locked and unlocked with the Traction Lock Pins (H, Figure 5) to permit the unit to "free-wheel," allowing easier manual handling and transport of the snowthrower.

## GENERAL OPERATION

### CHECKS BEFORE EACH START-UP

1. Make sure all safety guards are in place and all nuts, bolts and clips are secure.
2. Check the engine oil level. See your engine Owner's Manual for procedure and specifications.
3. Check to make sure spark plug wire is attached and spark plug is tightened securely. If necessary, torque spark plug to 15 ft. lbs.
4. Check the fuel supply. Fill the tank no closer than 1/4 to 1/2 inch of top of tank to provide space for expansion. See your engine Owner's Manual for fuel recommendations.
5. Check the Scraper Bar to make sure it is set at the desired height. Adjust the Skid Shoes if necessary. (See page 10.)
6. Check the Traction & Free-Hand Control (B, Figure 1), and Auger Engage Control (C, Figure 1) for proper operation. If adjustment is required, see the Service section (page 16) for procedures.
7. Check the Chute Direction Control (D, Figure 1) for proper operation. The discharge chute should rotate freely in both directions. See the Service section for adjustment procedures and troubleshooting.
8. Check the Chute Deflector (E, Figure 1) for proper operation. The deflector should pivot freely up and down when the Chute Deflector Knob is loosened. If adjustment is required, see the Service Section for procedures.
9. Position the chute at the desired starting direction and set the deflector at the desired angle.
10. Check the Speed Selector (A, Figure 1) for smooth operation. The control must move freely into each speed position gate and remain in position when released. If the Speed Selector does not move freely into all forward and reverse speed positions, contact your local authorized dealer for assistance.

#### **WARNING**

To avoid serious injury, do not put your hands into the auger housing or discharge chute. If auger stalls or chute becomes plugged, use the following procedure to remove objects or clear the chute:

1. Release both the Drive and Auger Control levers.
2. Shut off the engine.
3. Remove the Engine Key.
4. Wait for moving parts to stop.
5. Disconnect spark plug wire.
6. Use a narrow board to remove foreign objects and clear the chute or auger. Never put your hands into the auger or discharge chute.

#### **WARNING**

For your safety, operation on slopes should be in an up and down direction only. If it becomes necessary to move across the face of a slope, use caution and do not blow snow. Be very careful when changing direction on a slope.

Proper winter footwear is recommended for the operator to help prevent slipping. Never attempt to clean snow from excessively steep slopes. The maximum slope for any operation is 17.7% (10°).

#### **WARNING**

Gasoline is highly flammable and must be handled with care. Never fill the tank when the engine is hot or running. Always move outdoors to fill the tank. Keep snowthrower and gasoline away from open flame or spark.

## STARTING THE ENGINE

1. Turn the fuel valve (B, Figure 6) to the ON position.
2. Insert the Engine Key (F, Figure 6) into the Engine Key slot and push fully in to the RUN position.
3. Move the Throttle Lever (E, Figure 6) fully up to the FAST position.
4. Turn the Choke Knob (G, Figure 6) fully clockwise if engine is cold. (Do not choke a warm engine.)
5. Push the Primer Button (D, Figure 6) two times if engine is cold. (Do not prime a warm engine.)
6. Pull Starter Handle (C, Figure 6) rapidly, or push Starter Button if equipped with the electric start. Do not allow the Starter Handle to snap back—let the starter rope rewind slowly—while keeping a firm grip on the Starter Handle.
7. As the engine starts and begins to operate evenly, turn the Choke Knob (G, Figure 6) slowly counter-clockwise to the OFF position, and set the Throttle Lever to SLOW. If the engine falters, turn the Choke Knob clockwise until the engine runs smoothly, and let it run briefly before returning the choke to the OFF position.

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

## OPERATING THE SNOWTHROWER

1. Rotate the discharge chute to the desired direction.
2. Set the Speed Selector to the desired forward speed.
3. Fully press and hold the Auger Engage Control (C, Figure 7) on the right-hand grip to begin auger rotation. Releasing the Auger Engage Control will disengage the auger —**unless the Free-Hand™ Control has been activated (See step 5 below).**
4. Fully press and hold the Traction & Free-Hand™ Control lever (B, Figure 7) on the left-hand grip to engage the traction drive and begin moving the snowthrower. To disengage the traction drive, completely release the lever.
5. When BOTH levers are depressed, the Free-Hand™ Control is activated. This allows Auger Engage Control to be released — **YET AUGER ROTATION WILL CONTINUE — until the Free-Hand™ Control is released.**
6. Select forward or reverse speeds as needed using the Speed Selector (A, Figure 7). Release both control levers before changing drive speeds.

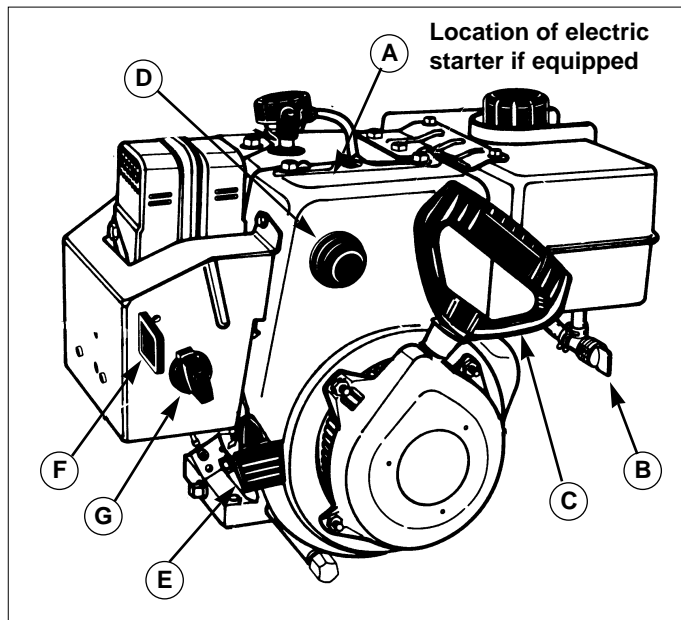


Figure 6. Engine Controls

- |  |                   |
|--|-------------------|
| A. Electric Start Button<br>(On some units only) | D. Primer Button  |
| B. Fuel Valve                                    | E. Throttle Lever |
| C. Starter Handle                                | F. Engine Key     |
|  | G. Choke Knob     |

### WARNING

When BOTH levers are depressed, the Free-Hand™ Control is activated. This allows Auger Engage Control to be released — **YET AUGER ROTATION WILL CONTINUE — until the Free-Hand™ Control is released.**

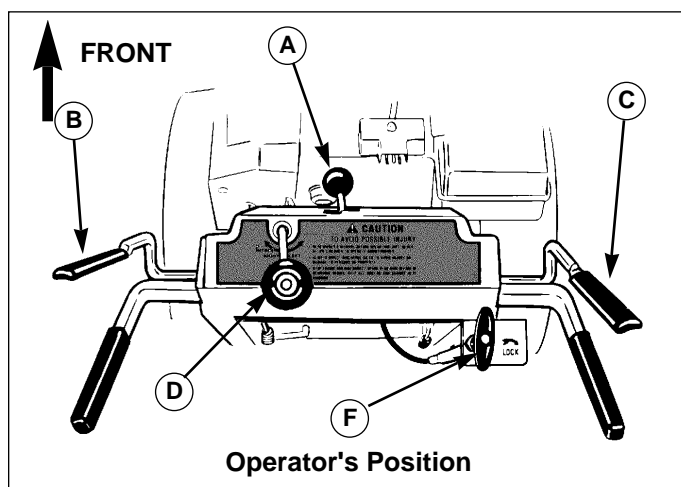


Figure 7. Operator's Control Position

- |                                  |                                |
|----------------------------------|--------------------------------|
| A. Speed Selector                | D. Chute Direction Control     |
| B. Traction & Free-Hand™ Control | E. Chute Deflector (not shown) |
| C. Auger Engage Control          | F. Remote Deflector Control.   |

# Operation

## ENGINE SPEED

For overall best performance, run the snowthrower at full engine operating speed. Use the engine Throttle Lever (E, Figure 6) to set the engine speed. Slide the Throttle Lever UP to increase engine speed, and DOWN to reduce speed.

## GROUND SPEED SELECTOR

Use the Speed Selector (A, Figure 7) to control the drive speed of the snowthrower. There are five forward speeds and two reverse speeds.

Use the lower speeds to blow deep or wet snow. Use the higher speeds to blow light snow or to drive the snowthrower without blowing snow.

To change speeds, release both control levers (B, Figure 7), then move the Speed Selector to the desired setting. Fully depress the control levers to resume.

## DEFLECTOR

The distance of the discharged snow is mainly controlled by the position of the deflector. (Engine speed also affects distance of discharge.) The more the deflector is tilted UP, the farther snow will be thrown.

### Models with Chute Deflector Knob

1. Loosen the deflector knob, tilt the deflector UP or DOWN.
2. Retighten the knob when desired angle has been chosen.

### Models with Remote Deflector Control

1. Turn the Remote Deflector Control counterclockwise to UNLOCK, and the spring will pull the deflector to the maximum throwing position. Pull the knob UP to decrease the throwing distance.
2. Turn the Remote Deflector Control knob clockwise to LOCK in place when the desired angle has been chosen.

## SCRAPER BAR & SKID SHOES

On smooth surfaces such as concrete or asphalt, the scraper bar should scrape the surface. On surfaces such as gravel, the scraper bar should be high enough so that it will not pick up gravel or debris.

The height of the scraper bar is controlled by raising or lowering the Skid Shoes (See Figure 10).

1. To raise the scraper bar height, rest the scraper bar on a strip of wood equal in thickness to the desired height.
2. Make sure the scraper bar is parallel to the ground surface.
3. Loosen the skid shoe nuts and let the skid shoes drop to the surface.

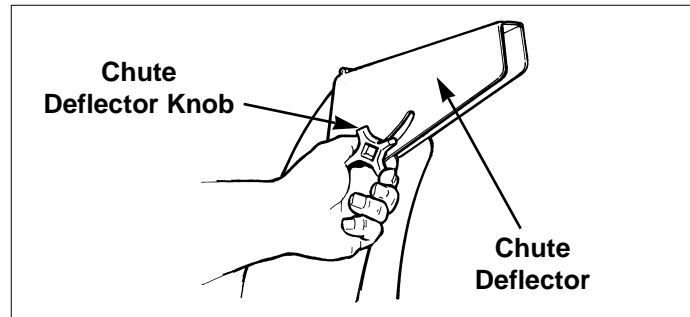


Figure 8. Chute Deflector Adjustment (Some Models)

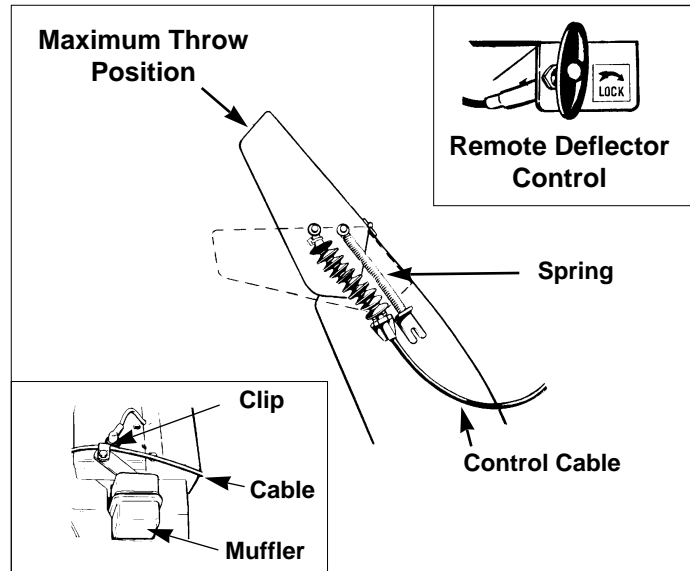


Figure 9. Remote Deflector Control (Some Models)

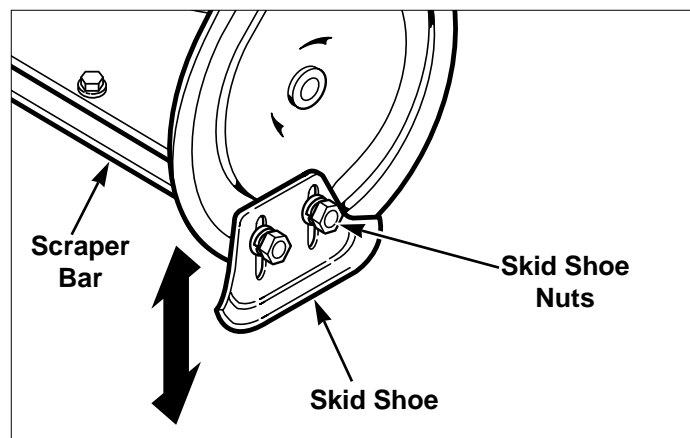


Figure 10. Skid Shoe Adjustment

4. Tighten the nuts, making sure the Skid Shoes are adjusted equally and are parallel to the surface.
5. To lower the height of the scraper bar, raise the Skid Shoes.
6. If the scraper bar becomes worn, it can be replaced by removing the hardware attaching it to the snowthrower.



## FREE-WHEELING AND TRACTION DRIVE LOCK

For easy turning when pushing the snowthrower, you can disengage the traction drive at one or both wheels by using the Traction Lock Pins (See Figures 11 & 12.)

1. Turn the unit off, remove the Engine Key, and disconnect the spark plug wire.
2. To DISENGAGE the traction drive lock, insert the Traction Lock Pin through the outer hole in the axle. (See Figure 8).
3. To ENGAGE the traction drive lock, insert the pin through the hub and axle (See Figure 9). If the hole in the hub is not aligned with the inner hole in the axle, push the snowthrower until the holes align and install the Traction Lock Pin.

*NOTE: When snowthrowing with the full width of the auger, for best drive performance engage both wheels. For easier turning when not using the full width of the auger, engage one wheel and use the engaged side as the snow contact side for the auger.*

## AFTER EACH USE

Normal use of the snowthrower may result in a build-up of packed snow in and around the starter cord housing and around engine controls. Heat from the engine will usually prevent the snow from freezing solid while the unit is running, but after the engine is shut down, some snow may continue melting from engine heat, and later freeze around some moving parts as the unit cools.

After each period of use, follow these steps to prevent freeze-up caused by ice formation in and around the engine controls and external parts.

1. Before shutting off the engine, pull the starter rope out 2 - 3 times, and allow it to rewind slowly. This will help clear packed snow from the starter cord area.
2. Stop the engine by moving the Throttle Lever (See Figure 8) down, or by pulling out the Engine Key.
3. Disconnect the spark plug wire, and position it away from the spark plug.
4. Brush snow and ice from the snowthrower. Be sure to clear engine and snowthrower controls, discharge chute, worm and chute rod gears, clutch rod areas, and anywhere else snow has accumulated.
5. Always remove the Engine Key and store in a safe place to prevent unauthorized use.

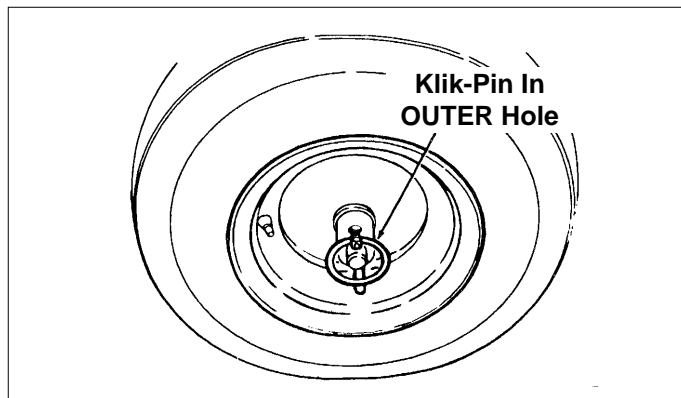


Figure 11. Traction Drive Lock - Disengaged

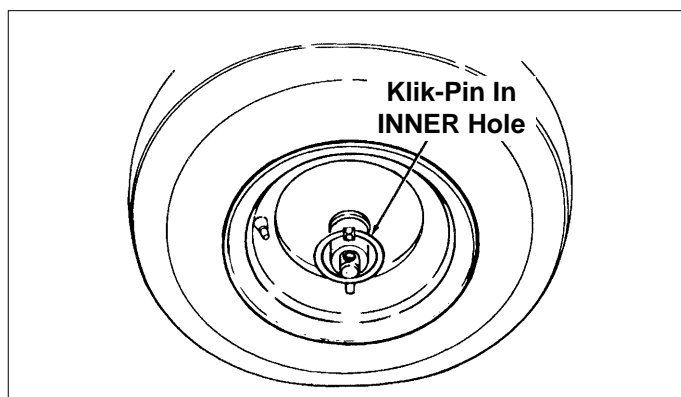


Figure 12. Traction Drive Lock - Engaged

### WARNING

Never store snowthrower, with gasoline in engine or fuel tank, in a heated shelter or in enclosed, poorly ventilated enclosures. Gasoline fumes may reach an open flame, spark or pilot light (such as a furnace, water heater, clothes dryer, etc.) and cause an explosion.

Handle gasoline carefully. It is highly flammable and careless use can result in serious fire damage to people and property.

Drain fuel into an approved container outdoors away from open flame or sparks.

6. If the snowthrower is kept in a cold shelter, fill the fuel tank to prevent condensation. Do not store near sparks or flame.

*Note: The Engine Owner's Manual contains further information on preventing ice formation and freeze-up.*

# Regular Maintenance

## NORMAL CARE

| CARE REQUIRED                       | SEE PAGE   | FREQUENCY | LUBRICATION                            |
|-------------------------------------|------------|-----------|--|
| Check auger gear case lubrication.* | Page 12    | 25 Hours  | Simplicity Winter Weight Worm Gear Oil |
| Lubricate snowthrower.              | Page 13    | 10 Hours  | 10W Oil and Grease                     |
| Check tire pressure.                | Page 22    | Monthly   | N/A                                    |
| Change engine oil.**+               | -          | 50 Hours+ | See Engine Manual                      |
| Clean or replace spark plug.+       | -          | Yearly    | See Engine Manual                      |
| Check drive linkage/belt tension    | Page 16-19 | 4-6 Hours | N/A                                    |

\* The auger gear case has been factory lubricated for life. If lubricant should leak out, have auger gear case inspected by your dealer.  
 \*\* Change original oil after two hours of operation.  
 + See your engine Owner's Manual.

## OFF-SEASON STORAGE

Before you store your snowthrower for the off-season, read the Maintenance and Storage instructions in the Safety Rules section and take the following precautions:

*NOTE: Gasoline, if permitted to stand unused for extended periods (30 days or longer), may develop gummy deposits which can adversely affect the engine carburetor and cause engine malfunction. To avoid this condition, add Simplicity Gasoline Stabilizer to the fuel tank, or drain all fuel from the system before placing unit in storage.*

1. Prepare your snowthrower engine for storage as instructed in the Engine Owner's Manual.
2. Lubricate the snowthrower as described in the LUBRICATION section of this manual (page 13).
3. Clean the snowthrower thoroughly. Coat exposed bare metal parts with a quality paint (available from your dealer) or a light film of grease, oil or automotive wax.
4. Store snowthrower in the wheels down, operating position. *Note: If the unit is stored in any other position, oil from crankcase could enter cylinder head, causing a service problem.*
5. Store the unit in a protected area and cover.

## STARTING AFTER STORAGE

1. Remove the spark plug and wipe dry. Crank the engine a few times to blow excess oil out of plug hole. Then reinstall plug.
2. Fill fuel tank with fresh gasoline (unless a fuel stabilizer was used).
3. Check to be sure engine fins are clean and air flow is unobstructed.
4. Check engine oil level and lubricate snowthrower. Change oil if necessary.

5. Start the engine outdoors. Warm up engine by running at SLOW speed for a few minutes before running at FAST speed, or blowing snow.
6. Check the operation of all the controls. If necessary, lubricate the snowthrower to improve operation of the chute control.

## CHECK AUGER GEAR CASE LUBRICATION

1. Place the snowthrower on a level surface.
2. Remove the Pipe Plug (Figure 10).
3. Check the lubricant level. It should be level with the lower edge of the plug opening. If not, add Simplicity Winter Weight Worm Gear Oil (available from your dealer).
4. Re-install Pipe Plug, and tighten securely.

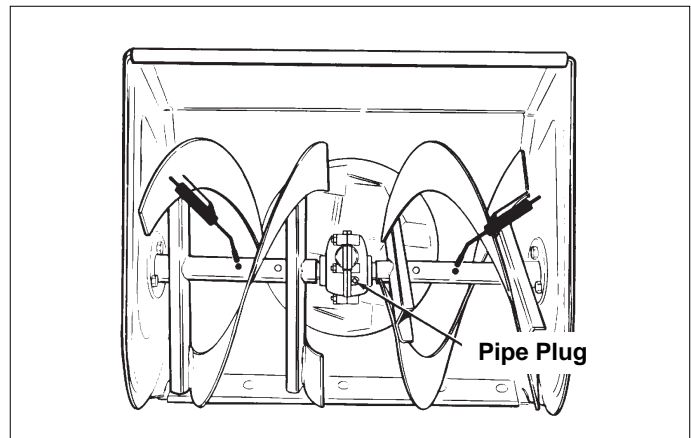


Figure 13. Checking Auger Gear Case Lubrication

## LUBRICATION

### IMPORTANT NOTE

It is very important that grease fittings on the auger shaft are lubricated regularly. If auger rusts to shaft, damage to worm gear may occur if shear pins do not break.

To prevent wheels rusting to axles, it is also necessary to remove the wheels and grease the axles regularly.

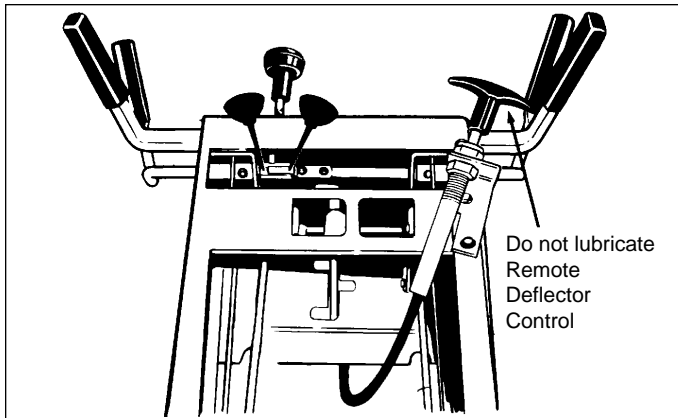
Remove wheels and grease axles once each year.

There are two grease fittings on the auger shaft (Figure 13). Wipe the fittings clean and apply grease, using a grease gun. Also apply grease on other points indicated.

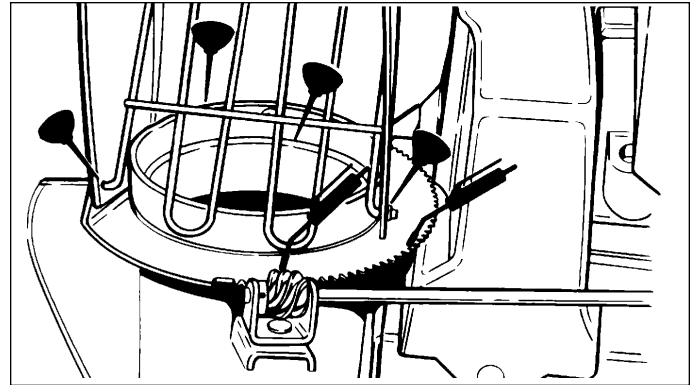
Apply medium weight (10W) oil to points shown (See Figures 14 - 16).

Generally, all moving metal parts should be oiled where contact is made with other parts. Keep oil and grease off belts, pulley grooves, drive disc, and friction disc.

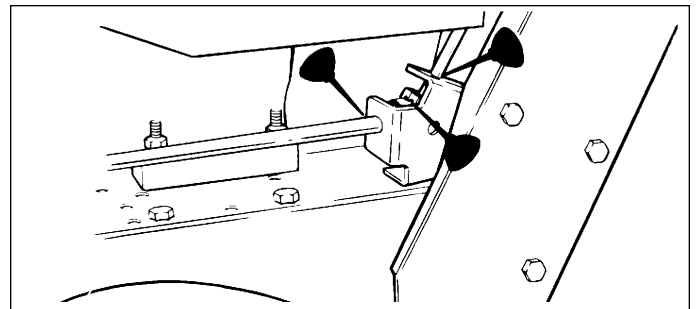
See lubrication notes at bottom of page.



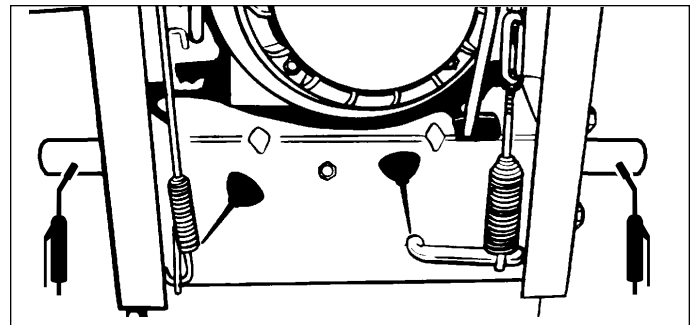
**Figure 14. Lubricate Points Where Free-Hand™ Control Linkage Pivots - (Model 1080 Shown)**



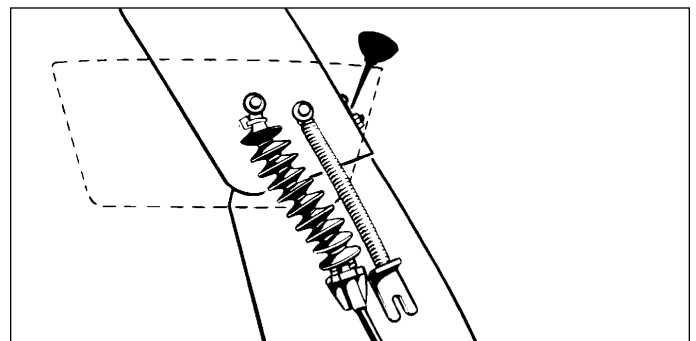
**Figure 15. Lubricate Points Where Chute Contacts Flange (oil); Lubricate Ring Gear and Pinion Gear While Rotating Spout (grease)**



**Figure 16. Lubricate Point Where Control Rods Pass Through Bracket.**



**Figure 17. Grease Axles & Lubricate Control Levers**



**Figure 18. Lubricate Deflector Hinges**

### LUBRICATION NOTES:

1. Grease locations indicated by grease gun symbol:



Use grease fittings when present. Disassemble parts to apply grease to moving parts when grease fittings are not installed.

2. Oil locations indicated by oil can symbol:



Do not allow oil to drip onto traction drive or friction disc.

## TROUBLESHOOTING

This section provides troubleshooting and service instructions. Locate the problem and check the possible cause/remedy in the order listed.

Also, refer to the engine manufacturer's Owner's Manual for additional information.

For problems not covered here, contact your local dealer.

### **WARNING**

Before performing any adjustment or service to snowthrower, stop the engine and wait for moving parts to stop. Remove the key. To prevent accidental starting, disconnect the spark plug wire and fasten away from the plug.

| PROBLEM                                   | POSSIBLE CAUSE   | REMEDY  |
|---|--|---|
| <b>Engine fails to start.</b>             | <ol style="list-style-type: none"> <li>1. Key is OFF.</li> <li>2. Failure to Prime cold Engine</li> <li>3. Fuel valve is in CLOSED position.</li> <li>4. Out of fuel.</li> <li>5. Choke OFF - cold engine.</li> <li>6. Engine flooded.</li> <li>7. Spark plug not sparking.</li> <li>8. Water in fuel, or old fuel.</li> </ol> | <ol style="list-style-type: none"> <li>1. Push key in to the ON position.</li> <li>2. Press Primer Button twice and restart.</li> <li>3. Turn valve to OPEN position.</li> <li>4. Fill fuel tank.</li> <li>5. Turn choke to ON, set throttle to FAST.</li> <li>6. Turn choke to OFF; try starting.</li> <li>7. Check gap. Gap plug, clean electrode, or replace plug as necessary.</li> <li>8. Drain tank (Dispose of fuel at an authorized hazardous waste facility). Fill with fresh fuel.</li> </ol> |
| <b>Engine starts hard or runs poorly.</b> | <ol style="list-style-type: none"> <li>1. Fuel mixture too rich.</li> <li>2. Carburetor adjusted incorrectly.</li> <li>3. Spark plug faulty, fouled, or gapped improperly.</li> <li>4. Fuel Cap Vent is blocked.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Move choke to OFF position.</li> <li>2. See your dealer for adjustments.</li> <li>3. Clean and gap, or replace.</li> <li>4. Clear vent.</li> </ol>  |
| <b>Auger does not rotate.</b>             | <ol style="list-style-type: none"> <li>1. Auger Control not engaged.</li> <li>2. Foreign matter blocking auger.</li> <li>3. Auger drive clutch rod slack.</li> <li>4. Auger drive belt slipping.</li> <li>5. Broken belt.</li> <li>6. Shear pin broken.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Engage Auger Control.</li> <li>2. STOP engine and REMOVE the key. DISCONNECT the spark plug wire. Clear auger using a narrow board. See warning in SAFETY RULES.</li> <li>3. Tighten to remove slack. See auger clutch rod adjustment.</li> <li>4. Check auger drive belt adjustment.</li> <li>5. Replace belt.</li> <li>6. Replace shear pin.</li> </ol>   |

| PROBLEM  | POSSIBLE CAUSE   | REMEDY  |
|--|--|---|
| <b>Auger rotates, but snow is not thrown far enough</b>        | <ol style="list-style-type: none"> <li>1. Chute Deflector too low.</li> <li>2. Engine speed too slow.</li> <li>3. Ground speed too fast.</li> <li>4. Snowthrower discharge chute clogged.</li> <li>5. Auger belt loose or worn.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Adjust deflector as necessary.</li> <li>2. Set speed to full throttle.</li> <li>3. Use slower Speed Selector setting.</li> <li>4. STOP engine and REMOVE the key. DISCONNECT the spark plug wire. Clear auger using a narrow board. See warning in SAFETY RULES.</li> <li>5. Check Auger Drive Belt Adjustment</li> </ol> |
| <b>Scraper bar does not clean hard surface.</b>                | <ol style="list-style-type: none"> <li>1. Skid Shoes improperly adjusted.</li> </ol>   | <ol style="list-style-type: none"> <li>1. RAISE Skid Shoes (this lowers the Scraper Bar).</li> </ol>  |
| <b>Scraper bar picks up and throws stones on gravel drive.</b> | <ol style="list-style-type: none"> <li>1. Skid shoes improperly adjusted.</li> </ol>   | <ol style="list-style-type: none"> <li>1. LOWER Skid Shoes (this raises the scraper bar.)</li> </ol>  |
| <b>Poor traction</b>   | <ol style="list-style-type: none"> <li>1. Tires slipping.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Check tire pressure and tread.</li> </ol>   |
| <b>Auger does not stop when auger lever is released</b>        | <ol style="list-style-type: none"> <li>1. Free-Hand™ Control is ACTIVE.</li> <li>2. Auger clutch rod too tight or bent.</li> <li>3. Auger drive belt out of adjustment.</li> <li>4. Auger belt guide out of adjustment.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Release BOTH Auger Engage Control AND Free-Hand™ Control to stop auger. (See Page 9).</li> <li>2. Loosen or straighten clutch rod.</li> <li>3. Adjust auger belt.</li> <li>4. Adjust auger belt guide.</li> </ol>   |
| <b>Snowthrower does not stop when drive lever is released</b>  | <ol style="list-style-type: none"> <li>1. Traction drive clutch rod bent or too tight.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Loosen rod to remove slack or replace. See adjustment procedure.</li> </ol>   |
| <b>Snowthrower does not drive when drive lever is engaged.</b> | <ol style="list-style-type: none"> <li>1. Traction drive clutch rod loose.</li> <li>2. Drive belt loose, broken, or stretched.</li> <li>3. Drive roller chain damaged.</li> <li>4. Traction Lock Pins in Free-Wheeling position (OUTER hole).</li> <li>5. Friction Disc worn.</li> </ol> | <ol style="list-style-type: none"> <li>1. Tighten to remove slack. See adjustment procedure.</li> <li>2. Replace drive belt.</li> <li>3. Replace chain.</li> <li>4. Change Traction Lock Pins to INNER hole to engage traction drive.</li> <li>5. Replace Disc (see your dealer).</li> </ol>  |
| <b>Discharge control is difficult to operate.</b>              | <ol style="list-style-type: none"> <li>1. Gearing needs lubrication</li> <li>2. Worm gear not adjusted properly.</li> <li>3. Control rod gears misaligned.</li> </ol>  | <ol style="list-style-type: none"> <li>1. Oil or grease as required.</li> <li>2. Adjust worm gear. See adjustment procedure.</li> <li>3. Adjust gear bracket. See adjustment procedure.</li> </ol>  |
| <b>Snowthrower veers to one side.</b>                          | <ol style="list-style-type: none"> <li>1. Tires pressure not equal.</li> <li>2. One wheel is set in Free-Wheeling mode. (Traction Lock Pin is in the OUTER hole).</li> </ol>   | <ol style="list-style-type: none"> <li>1. Check tire pressure.</li> <li>2. Make certain BOTH Traction Lock Pins are in the INNER holes (to engage traction drive).</li> </ol>   |
| <b>Excessive vibration.</b>                                    | <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 and REMOVE the key. DISCONNECT the spark plug wire. Tighten all hardware. Replace auger if necessary. If vibration continues, see your dealer.</li> </ol>   |
| <b>Drive fails to move snowthrower at slow speeds.</b>         | <ol style="list-style-type: none"> <li>1. Traction Drive out of adjustment.</li> </ol>   | <ol style="list-style-type: none"> <li>1. Readjust drive, or shift Speed Selector setting up one speed faster.</li> </ol>   |

## SPEED SELECTOR ADJUSTMENT

1. Loosen the two nuts (F, figure 19).
2. Place the shift lever in 5th gear. The lower speed selector rod (E, Figure 19) will properly locate itself due to an internal spring.
3. Tighten the two nuts. Do not lift up or down on rods while tightening. Make sure the shoulders of the carriage bolts (D, Figure 19) are in the slots.
4. Always check traction drive tension and auger drive tension after adjusting speed selector.

## AUGER DRIVE TENSION

1. With the drive lever released, the hook (B, Figure 19) should barely touch the lever (C, Figure 19) without raising it. There can be a maximum 1/32" clearance as shown.
2. To adjust, loosen the two nuts (G, Figure 19) and hold the lower rod to keep from rotating. Turn the turnbuckle toward the right to lower the spring, or toward the left to raise the spring.
3. Tighten the two nuts against the turnbuckle. Hold the turnbuckle with pliers while tightening the nuts.

## TRACTION DRIVE TENSION

1. With the drive lever engaged, bottom end of lower rod (D, Figure 20) should be flush with bottom of spring (E, Figure 20).
2. To adjust, loosen the two nuts, (B, Figure 20) and hold the lower rod to keep from rotating. Turn the turnbuckle (C, Figure 20) toward the right to lower rod or toward the left to raise rod.
3. Engage the drive lever to check the adjustment. When correct, tighten the two nuts against the turnbuckle. Hold the turnbuckle with pliers while tightening the nuts.

## BELT REPLACEMENT

1. Rotate the spout full right. Loosen the two screws (Figure 21) securing the belt cover.
2. Tilt the cover forward and work it off the snowthrower.
3. Remove the belt guides (B, Figure 22) by loosening the two capscrews (A), lockwashers and washers.
4. Remove the auger drive belt as follows:
  - a. Slip the auger drive belt (D, Figure 22) from the idler pulley by pushing it away from the pulley and then toward the rear.

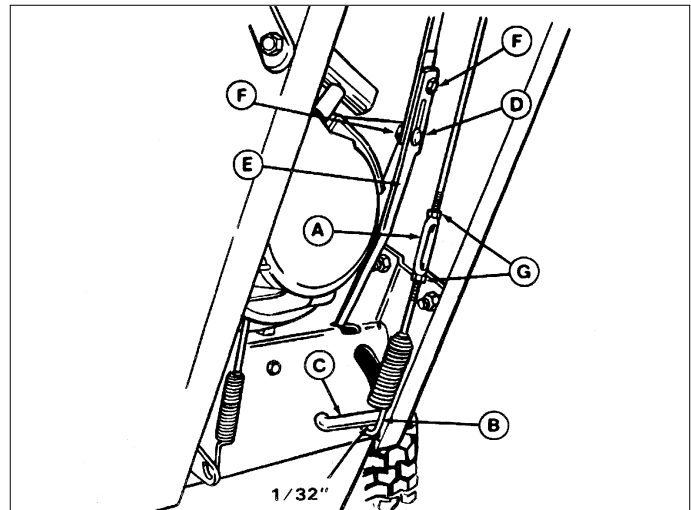


Figure 19. Speed Selector and Auger Drive Linkages

- |                   |              |
|-------------------|--------------|
| A. Turnbuckle     | E. Lower Rod |
| B. Spring Hook    | F. Nuts      |
| C. Lever          | G. Nuts      |
| D. Carriage Bolts |              |

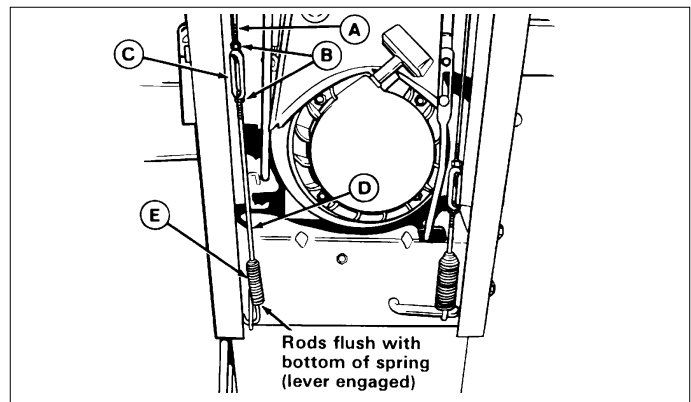


Figure 20. Drive Tension Adjustment

- |               |              |
|---------------|--------------|
| A. Upper Rod  | D. Lower Rod |
| B. Nuts       | E. Spring    |
| C. Turnbuckle |              |

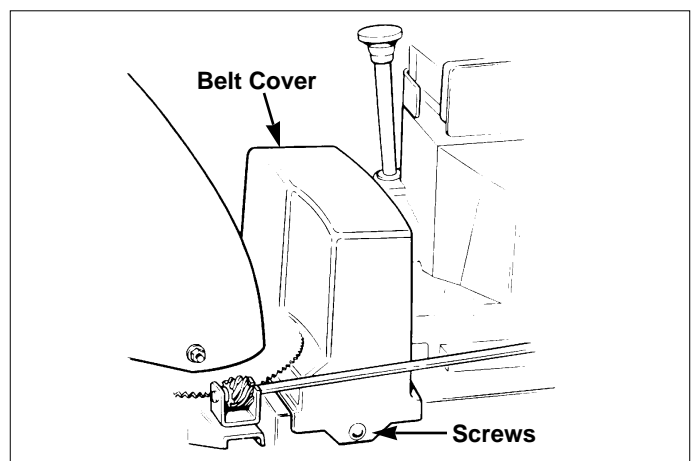
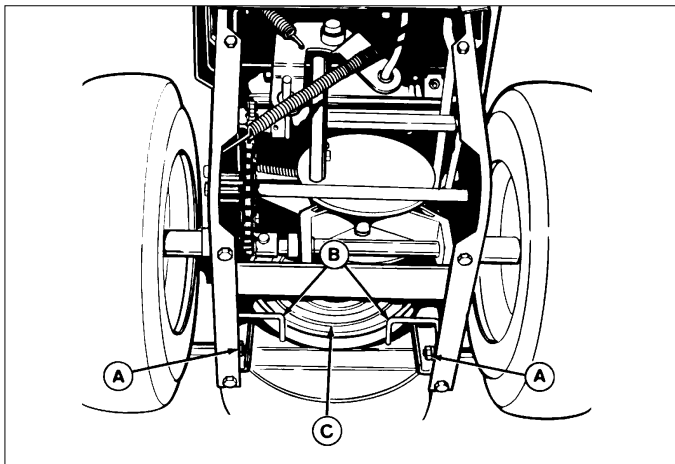


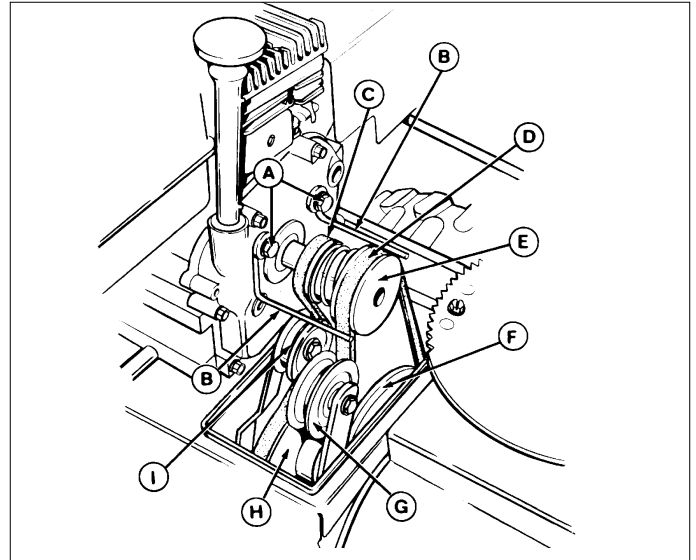
Figure 21. Belt Cover

## BELT REPLACEMENT (CONT.)

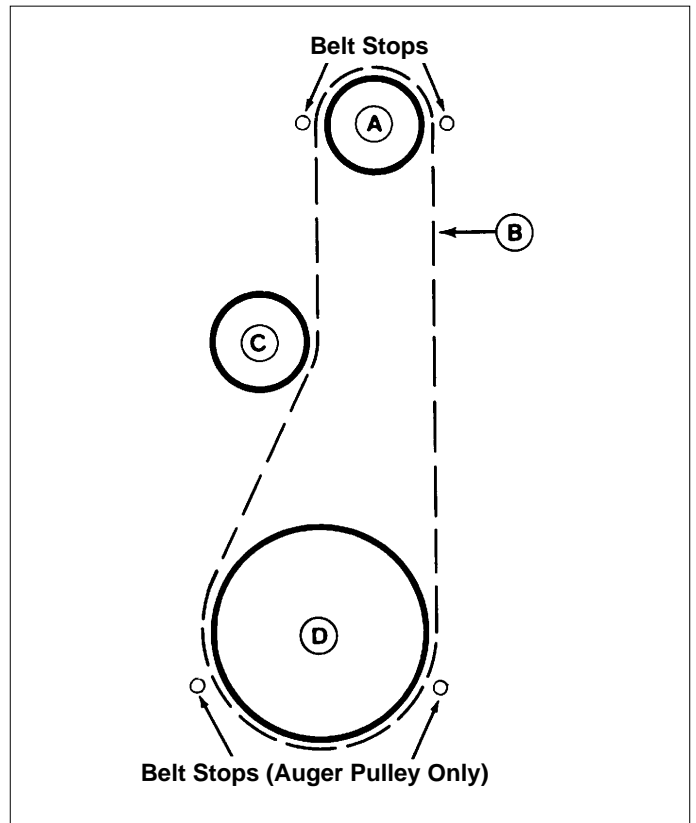
- b. Remove the belt from the engine pulley. Slip the belt from under the brake pad.
  - c. Remove six capscrews from bottom cover to snowthrower frame. Loosen nuts (A, Figure 23) on each side to release auger pulley belt stops (B, Figure 22). Move belt stops and remove belt from pulley (C, Figure 23).
  - d. Belt can be removed from top or bottom. For more clearance to remove the belt, engage the traction drive lever.
5. Remove the traction drive belt as follows:
    - a. Pull the idler pulley (I, Figure 22) away from the belt and slip the belt from the pulley.
    - b. Slip the belt off the traction pulley and then the engine pulley. The arm for the front idler pulley (G, Figure 22) may have to be pivoted to provide clearance for removing the belt from the traction pulley.
    - c. Pull the belt out between the auger pulley (F, Figure 22) and traction pulley.
  6. Reverse the procedure to install the belts. Be sure there are no twists and the belts are properly seated in the grooves. Adjust the belt stops so there is 1/8" (3mm) clearance between belt and stop. The pattern for both belts is shown in Figure 24.
  7. Check the traction drive tension and auger drive tension. Follow the procedures under AUGER/TRACTION DRIVE TENSION below.
  8. Make sure the auger stops when the auger drive lever is released. Make sure traction drive stops when the traction drive lever is released. If not, check the drive tension. If a problem exists, see your dealer.



**Figure 22. Auger Pulley Belt Stops (shown with bottom cover removed)**  
 A. Nuts                                      C. Auger Pulley  
 B. Belt Stops



**Figure 23. Belts and Pulleys**  
 A. Capscrews                              F. Auger Pulley  
 B. Belt Guides                            G. Idler Pulley, Auger  
 C. Traction Drive Belt                  H. Traction Pulley  
 D. Auger Drive Belt                      I. Idler Pulley, Traction  
 E. Engine Pulley



**Figure 24. Belt Pattern (as viewed from front of snowthrower)**  
 A. Engine Pulley                            C. Idler Pulley  
 B. Drive Belt                                D. Driven Pulley

## ROLLER CHAIN REPLACEMENT

1. Remove gas from fuel tank and run engine until it stops running from lack of fuel.
2. Disconnect spark plug wire and fasten it away from the spark plug.
3. Tilt the snowthrower forward and carefully rest unit on the auger end.
4. Rotate the wheel to locate the roller chain master link.
5. Remove the keeper link, master link and chain.
6. Install new chain and keeper link as shown in Figure 25.
7. Return snowthrower to upright operating position.
8. Connect spark plug wire and fill fuel tank.

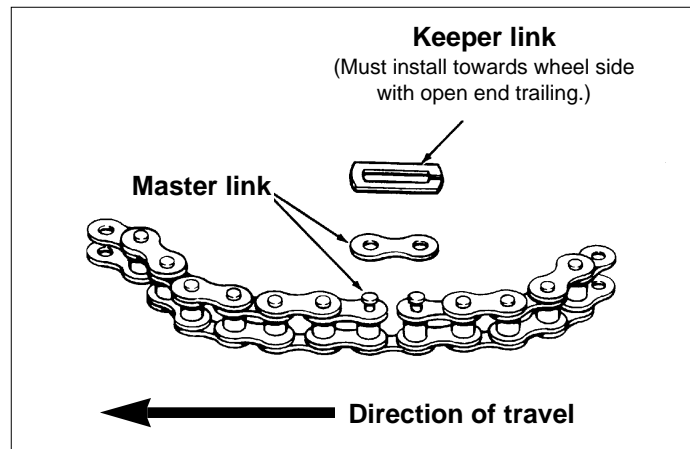


Figure 25. Roller Chain Master Link

## SHEAR PIN REPLACEMENT

Under most circumstances, if the auger strikes an object which could cause damage to the unit, the shear pin will break. (This protects the gear box and other parts from damage.)

The shear pins are located on the auger shaft as shown in Figure 26. To replace the shear pins, tap out broken pin with a pin punch, and install a new shear pin and cotter pin. Spread the legs of the new cotter pin fully. **Do NOT replace shear pins with anything other than the correct grade replacement shear pin.** See the REPLACEMENT PARTS section at the back of this manual for the correct part numbers. (Use of bolts, screws or a harder shear pin will lead to damaged equipment.)

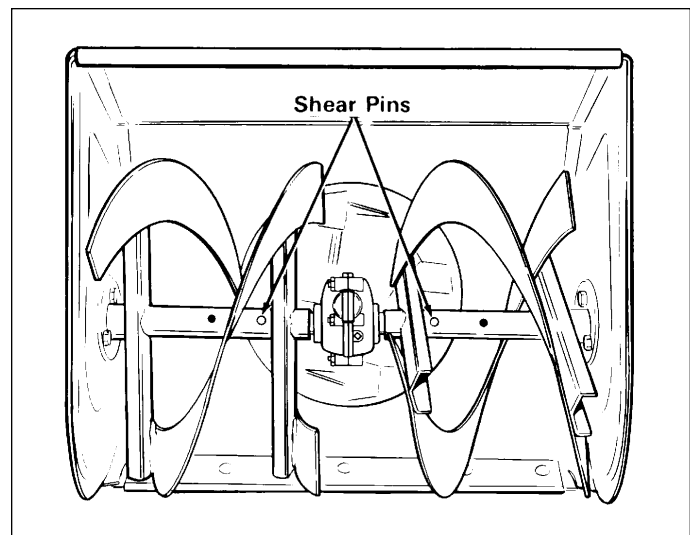


Figure 26. Shear Pins

### WARNING

Do not go near the discharge chute or auger when the engine is running. Do not run the engine with any cover or guard removed.



## DISCHARGE CONTROL ADJUSTMENT

If the discharge chute is difficult to operate, first lubricate the pinion gear (A, Figure 27) and ring gear (F, Figure 27). If it is still difficult to operate, adjust as follows:

1. Loosen the nut (G, Figure 27) which holds the pinion gear bracket in the slotted hole.
2. If the pinion gear is too tight against the ring gear, move it away slightly and then retighten the nut.
3. Check the operation again.

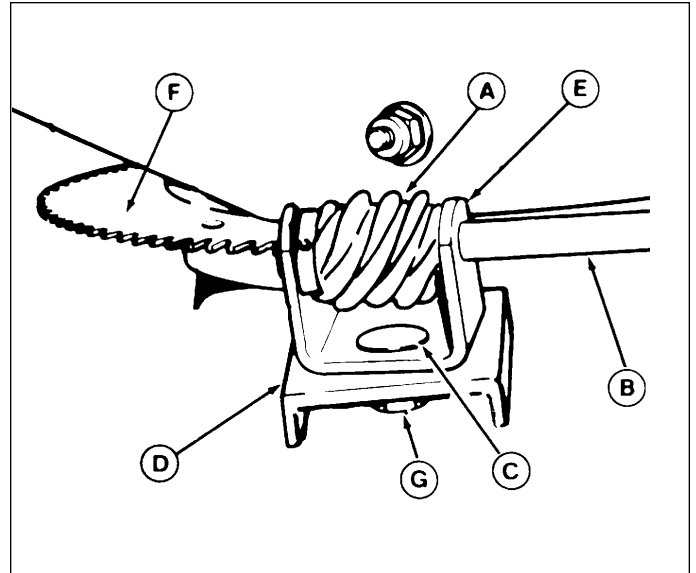


Figure 27. Discharge Control

- |                    |                     |
|--------------------|---------------------|
| A. Pinion Gear     | E. U-shaped Bracket |
| B. Control Rod     | F. Ring Gear        |
| C. Carriage Bolt   | G. Nut              |
| D. Slotted Bracket |                     |

## CHUTE DIRECTION CONTROL GEAR BRACKET ADJUSTMENT

If the Discharge Chute becomes difficult to rotate or begins to operate erratically, the Chute Direction Control rod gears may require adjustment:

1. Loosen the gear bracket mounting screws (Figure 28).
2. Slide the gear bracket into the position that provides the best engagement between the gears.
3. Tighten the bracket mounting screws, and check for smooth operation.
4. Readjust if necessary.
5. Lubricate the Chute Direction Control rod gears with a medium weight (10W) oil.

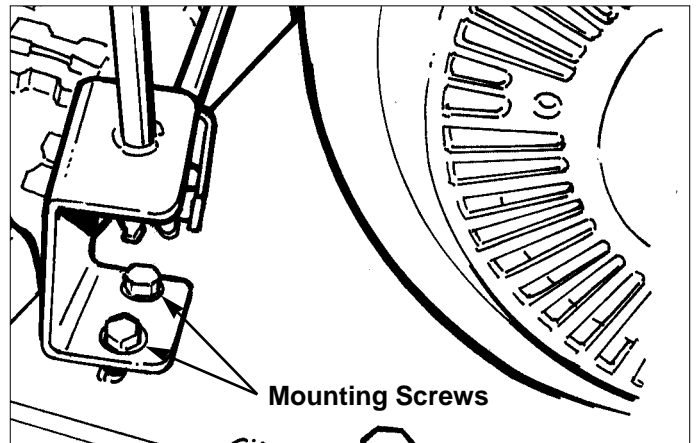


Figure 28. Chute Direction Control Gear Bracket Adjustment

## CHECKING TIRE PRESSURE

The air pressure in each tire (Figure 29) should be 20 psi (136 kPa) and should be equal for both tires for best performance. Be sure to keep caps on valves to prevent entry of debris into the valve stem when tires are filled.

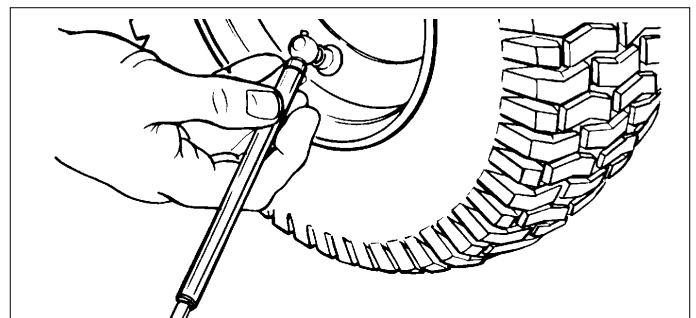


Figure 29. Checking Tire Pressure

# Specifications

## ENGINE

**Make** .....Tecumseh  
**Cylinders** .....1  
**Cycles** .....4  
**Crankshaft** .....Horizontal  
**8 HP**  
- **Model No.** .....See engine I.D. plate  
- **Bore & Stroke** .....3-1/8 in. x 2-17/32 in.  
(79.38 mm x 64.31 mm)  
- **Displacement** .....19.41 cu. in.  
(318.27 cc)  
**9 HP**  
- **Model No.** .....See engine I.D. plate  
- **Bore & Stroke** .....3-1/8 in. x 2-17/32 in.  
(79.38 mm x 64.31 mm)  
- **Displacement** .....19.41 cu. in.  
(318.27 cc)  
**10 HP**  
- **Model No.** .....See engine I.D. plate  
- **Bore & Stroke** .....3-3/16 in. x 2-17/32 in.  
(89.96 mm x 64.31 mm)  
- **Displacement** .....20.20 cu. in.  
(331.06 cc)  
**Ignition** .....Magneto  
**Governor** .....Mechanical  
**Choke** .....Manual  
**Lubrication** .....Splash system  
**Oil Capacity** .....See engine manual  
**Fuel Capacity** .....See engine manual

## TRACTION DRIVE

**Type** .....Friction drive transmission w/chain gear drive and speed selection  
**Speeds** .....Five forward and two reverse  
**Axle** .....Solid w/klik-pin lock for two-wheel drive  
**Tire Inflation** .....20 psi (137 kPa)

## AUGER HOUSING

**Construction** .....Welded steel stampings  
**Effective Width**  
- **Model 8-60cm/24** .....24 in. (60 cm)  
- **Model 8-70cm/28** .....28 in. (70 cm)  
- **Model 9-70cm/28** .....28 in. (70 cm)  
- **Model 10-80cm/32** .....32 in. (80 cm)

**Auger Opening Height** .....19 in. (47.5 cm)  
**Spout Rotation** .....210 degrees  
**Scraper Bar** .....High Carbon, wear resistant steel  
**Skid Shoes** .....Adjustable, heat-treated steel

## AUGER

**Construction** .....Ribbon flite welded steel  
**Bearings** .....Self-lubricating

## IMPELLER

**Construction** .....4 steel blades  
**Bearings** .....Pre-lubricated and sealed ball bearing  
**Diameter** .....12 in. (30 cm)

## AUGER & IMPELLER DRIVE

**Type** .....Cushion V-belt and worm gear housing

## OVERALL DIMENSIONS & WEIGHT

### Model 8-60cm/24

- **Length** .....56-7/8 in. (142.18 cm)  
- **Width** .....26 in. (65 cm)  
- **Height** .....37-3/8 in. (93.44 cm)  
- **Weight** .....240 lbs. (109 kg)

### Model 8-70cm/28

- **Length** .....56-7/8 in. (142.18 cm)  
- **Width** .....30 in. (75 cm)  
- **Height** .....37-3/8 in. (93.44 cm)  
- **Weight** .....255 lbs. (115 kg)

### Model 9-70cm/28

- **Length** .....56-7/8 in. (142.18 cm)  
- **Width** .....30 in. (75 cm)  
- **Height** .....37-3/8 in. (93.44 cm)  
- **Weight** .....255 lbs. (115 kg)

### Model 10-80cm/32

- **Length** .....56-7/8 in. (142.18 cm)  
- **Width** .....34 in. (85 cm)  
- **Height** .....37-3/8 in. (93.44 cm)  
- **Weight** .....265 lbs. (120 kg)

*SPECIFICATIONS ARE CORRECT AT TIME OF PRINTING AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.*

## COMMON REPLACEMENT PARTS

Listed below are part numbers for the more common replacement parts. Use only genuine Simplicity replacement parts to assure optimum performance and safety.

### Simplicity Gas Stabilizer

- 8 oz. Bottle.....1685748
- Case of 12 Bottles (8 oz. ea.).....1685747

### Special Worm Gear Oil for Auger Gear Case

- 8 oz. Container .....1704636
- Case of 12 Bottles (8 oz. ea.).....1685406

### Simplicity Brand Cold Weather Engine Oil

- SAE 5W30 SF/CD
- Case of 12 Qts.....1685576

Shear Pin, Auger .....1668344

Cotter Pin (for shear pin) .....1918447

Skid Shoes (set of 2) .....1685501

Auger Drive Belt - Model 860.....1666655

Auger Drive Belt - Models 970 & 1080 .....1715128

Wheel Drive Belt .....1672732

Traction Lock Pin.....1666969

Handle Grip .....1671041

Grease Gun Kit.....1685510

- 8 oz. Grease Tube.....103077

### Touch-Up Paint

- Deep Orange Spray Paint (13 oz. can) .....1685611
- Deep Orange Paint (1 qt. can).....1685612
- Deep Orange Paint (1/2 oz. dauber) .....1685615
- Gloss Black Spray Paint (13 oz. can).....1685639

### Equipment Cleaner/Degreaser/Degrimer

- 32 oz. Spray Bottle .....1685619
- 1 gallon bottle .....1685621

### Cleaner/Polish/Protectant

- 8 oz. bottle .....1685697

### Pneumatic Tire Seal - Stops & Prevents Leaks

- 11 oz. tube.....1685523
- Case of 12 (11 oz. tubes) .....1685537
- Case of 24 (11 oz. tubes) .....1685525

*Note: Information listed above is correct at time of printing, and are subject to changes in availability and specifications without notice. Part numbers may be superceded by other part numbers.*

## ACCESSORIES

See your dealer to purchase any of the following accessories for your snowthrower.

### Light Kit (7HP Models only)

Light for late afternoon and early evening snowthrowing.

### Electric Start Kit (120V AC)

Offers operator the convenience of electric starting. Available for all models. Standard on some models.

### Drift Cutters

Part No.1685189. Helps break through drifts.

## TECHNICAL MANUAL AVAILABILITY

Additional copies of this manual, as well as a fully illustrated Parts Manuals for your snowthrower are available. The Parts Manuals show all of the assemblies and individual parts as exploded views which show the relationship of the parts and how they go together. Important assembly notes and special torque values are included in the illustrations. Standard hardware and torque specification charts are also included.

*To order copies of the manuals applicable to your model, contact the Simplicity Customer Publications Department at 414-284-8519. Have the following information available when phoning in your request.*

Model: \_\_\_\_\_

M/N (Mfg. No.): \_\_\_\_\_

S/N (Serial #): \_\_\_\_\_

Your Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Visa/Mastercard No.: \_\_\_\_\_

Card Expiration Date: \_\_\_\_\_



**USE ONLY GENUINE  
SIMPLICITY REPLACEMENT PARTS  
Available through your local  
authorized SIMPLICITY dealer.**