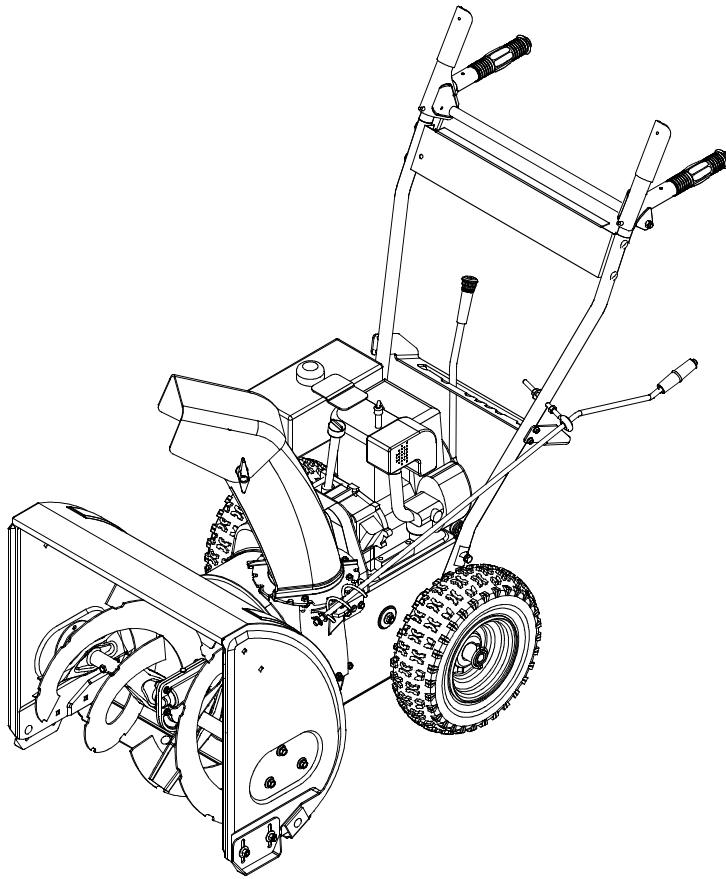




# Operator's Manual



## Snow Thrower

Model 611

**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 368022 Cleveland, Ohio 44136-9722.

**MTD PRODUCTS INC. P.O. BOX 368022 CLEVELAND, OHIO 44136-9722**

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## FINDING MODEL NUMBER

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



**Before you start assembling your new equipment**, 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 frame below engine. 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.

(Model Number)

(Serial Number)

**MTD PRODUCTS INC**  
**CLEVELAND, OHIO 44136**

**Copy the model number here:** \_\_\_\_\_

**Copy the serial number here:** \_\_\_\_\_

## CALLING CUSTOMER SUPPORT

If you have difficulty assembling this product or have any questions regarding the controls, operation or maintenance of this unit, please call Customer Support Department.



Call **1- (330) 220-4MTD (4683)** or **1- (800)-800-7310** to reach a Customer Support representative. 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 .

**For more details about your machine, visit our web site at [www.mtdproducts.com](http://www.mtdproducts.com)**

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## SECTION 1: IMPORTANT SAFE OPERATION PRACTICES



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.
7. Never attempt to make any adjustments while engine is running, except where specifically recommended in the operator's manual.
8. Let engine and machine adjust to outdoor temperature before starting to clear snow.
9. To avoid personal injury or property damage use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Serious personal injury can occur when gasoline is spilled on yourself or your clothes which can ignite. Wash your skin and change clothes immediately.
  - a. Use only an approved gasoline container.
  - b. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
  - c. Never fuel machine indoors.
  - d. Never remove gas cap or add fuel while the engine is hot or running.
  - e. Allow engine to cool at least two minutes before refueling.
  - f. Never over fill fuel tank. Fill tank to no more than ½ inch below bottom of filler neck to provide space for fuel expansion.
  - g. Replace gasoline cap and tighten securely.
  - h. If gasoline is spilled, wipe it off the engine and equipment. Move machine to another area. Wait 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.

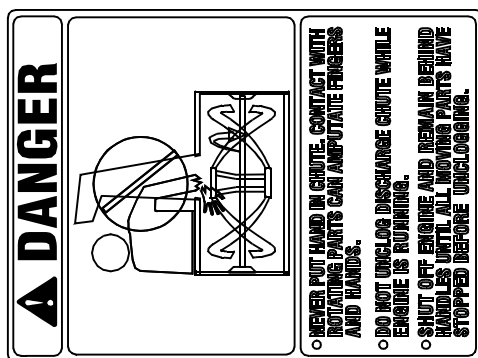
### Preparation

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 three wire extension cord and receptacle for all units with electric start engines.
5. Adjust collector housing height to clear gravel or crushed rock surfaces.
6. Disengage all clutch levers before starting the engine.

### Operation

1. Do not put hands or feet near rotating parts, in the auger/impeller housing or discharge chute. Contact with the rotating parts can amputate hands and feet.
2. The auger/impeller clutch lever is a safety device. Never bypass its operation. Doing so, makes the machine unsafe and may cause personal injury.
3. The clutch levers 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. Walk, never run.
  14. Disengage power to the auger/impeller when transporting or not in use.
  15. Never operate machine at high transport speeds on slippery surfaces. Look down and behind and use care when 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 all clutch levers and stop engine before you leave the operating position (behind the handles). Wait until the auger/impeller comes to a complete stop before unclogging the 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 (e.g. wheel weights, tire chains, cabs etc.).
  20. If situations occur which are not covered in this manual, use care and good judgment. Contact your dealer or telephone 1-800-800-7310 for assistance and the name of your nearest servicing dealer.



## Maintenance And Storage

1. Never tamper with safety devices. Check their proper operation regularly.
2. Disengage all clutch levers 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 clutch 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.

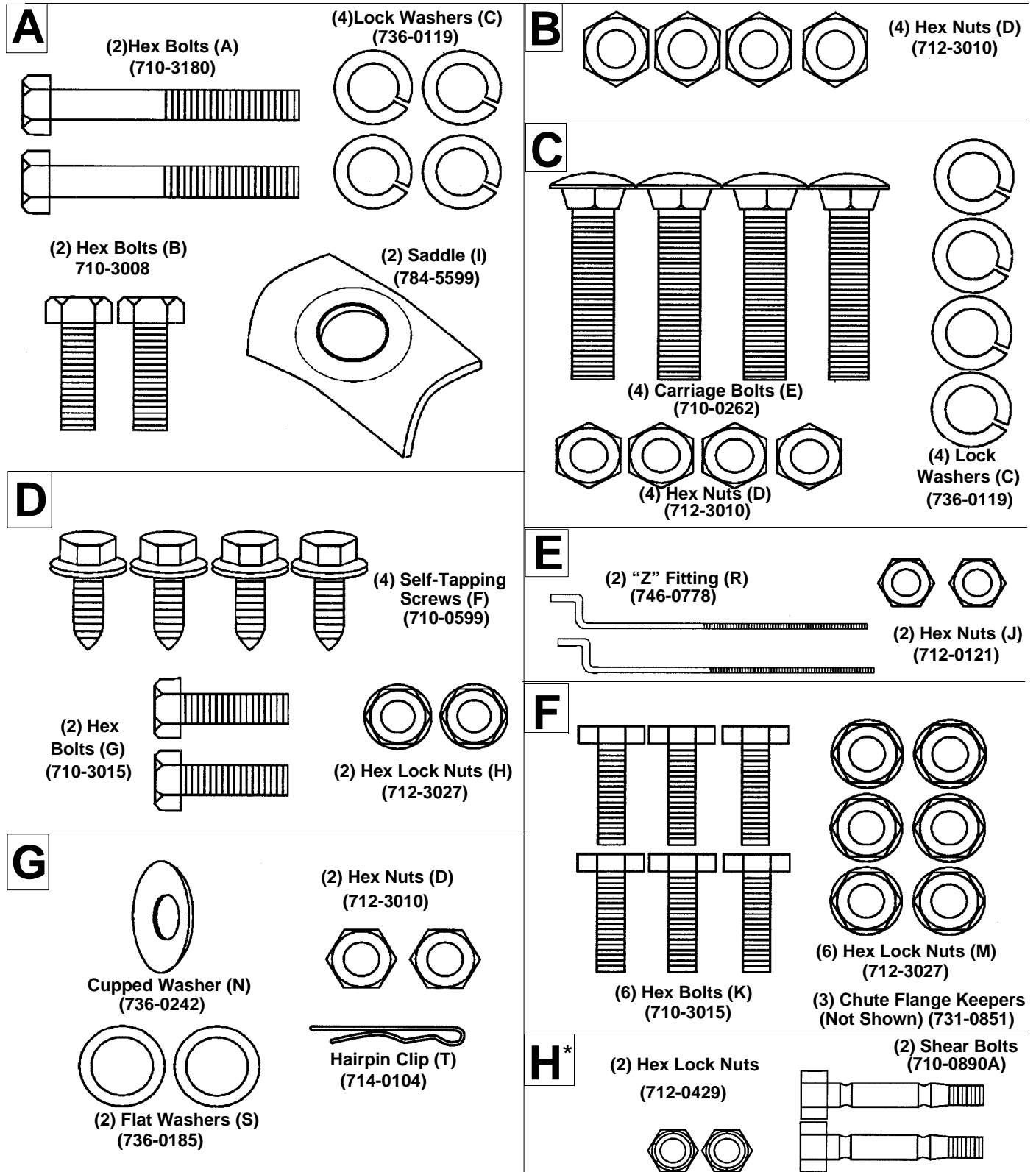
### Your Responsibility:

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. The safety labels are given below for your reference.



## SECTION 2: CONTENTS OF HARDWARE PACK

Lay out the hardware according to the illustration below for identification purposes. Part numbers are shown in parentheses. (Hardware pack may contain extra items which are not used on your unit.)



\* The augers are secured to the spiral shaft with two shear bolts and hex lock nuts. If you hit a hard foreign object or an ice jam, the snow thrower is designed so that the bolts may shear. Two replacement shear bolts and nuts are provided for your convenience. Store in a safe place until needed.

# SECTION 3: ASSEMBLING YOUR SNOW THROWER

**IMPORTANT:** After assembly, service engine with gasoline, and check oil level as instructed in the separate engine manual packed with your unit.

**NOTE:** References to right or left side of the snow thrower are determined from behind the unit in the operating position.

## Unpacking

- Remove staples or break glue on top flaps of the carton. Remove any loose parts included with unit (i.e., operator's manual, etc.).
- Cut corners of the carton and lay ends down flat. Remove packing material.
- Roll unit out of carton. Check carton thoroughly for loose parts before discarding.

## Loose Parts In Carton

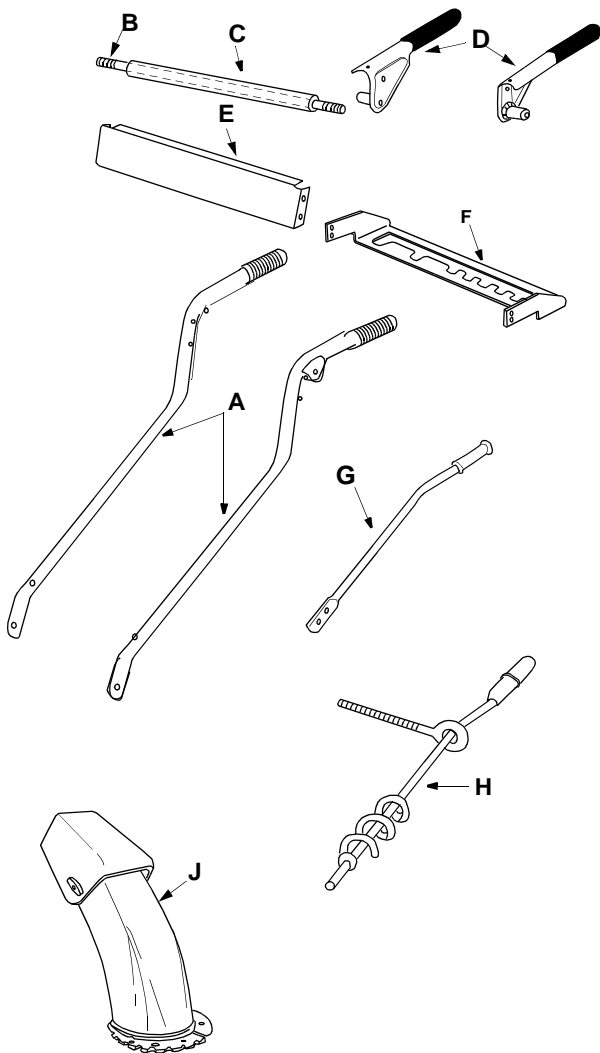


Figure 1

- Compare Figure 1 with the list below to identify loose parts in the carton.

Ref.	Description	Qty.
A	Handles (Right and Left)	2
B	Pivot Rod	1
C	Cover Tube	1
D	Clutch Grips (Right and Left)	2
E	Handle Panel	1
F	Speed Selector Plate	1
G	Shift Lever	1
H	Chute Directional Control Assembly	1
J	Chute Assembly	1
I	Hardware Pack	1

## Tools Required

1. Two adjustable wrenches

## Before Assembly



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

## Attaching Handles

(Use Hardware Group A.)

- Place right handle in position against the snow thrower so that the flat side of the handle is against the frame. Align the bottom hole on the handle to the corresponding hole on the snow thrower housing.
- Insert hex bolt (B) and lock washer (C) through these holes to secure the handle to the snow thrower housing. See Figure 2. There are weld nuts welded to the inside of the frame for these bolts. Do not tighten now.

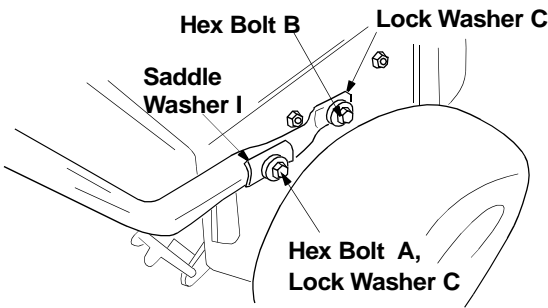


Figure 2

- Attach the left handle in the same manner. Do not tighten now.
- Place saddle washer (I) over upper holes on handles as shown in Figure 2. Secure to the frame with lock washers (C) and hex bolts (A). Do not tighten now.

## Attaching Clutch Grips

(Use Hardware Group B.)

- Slide the pivot rod into the cover tube as shown in Figure 3.

**NOTE:** In some models, the pivot rod and cover tube may be pre-assembled.

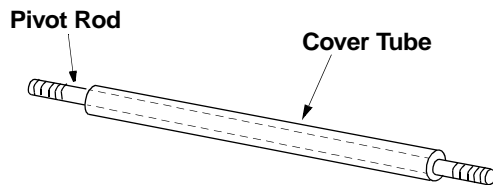


Figure 3

- Place the clutch grips in position on the rod as shown in Figure 4. Thread hex nuts (D) onto each end of the rod. Tighten nuts allowing the clutch grips to move freely on the pivot rod. See Figure 4.

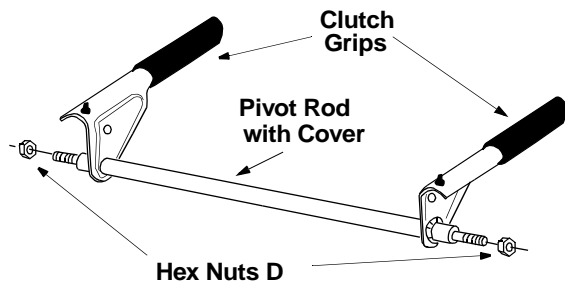


Figure 4

- Insert clutch grip and rod assembly into handle tabs. Clutch grips must sit on top of the handles. Thread hex nuts (D) on each end to hold into position. Do not tighten. See Figure 5.

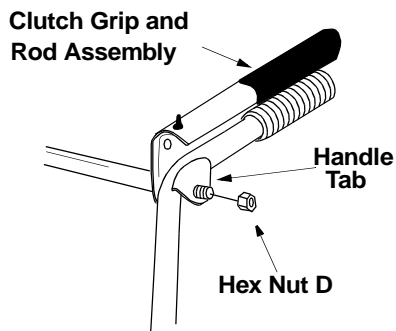


Figure 5

## Attaching Handle Panel

(Use Hardware C.)

- Position the handle panel between handles. Insert two carriage bolts (E) on each side and secure with lock washers (C) and hex nuts (D). See Figure 6.

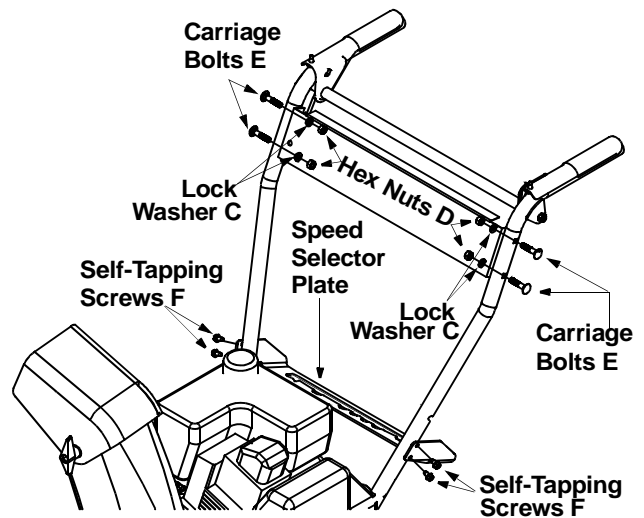


Figure 6

## Attaching Speed Selector Plate

(Use Hardware D.)

- Assemble the speed selector plate to the **outside** of the handles as shown in Figure 6. Secure using two self-tapping screws (F) on each side.

## Attaching Shift Lever

- Insert the shift lever through slot in the speed selector plate. See Figure 7.

**NOTE:** The bend in the lever should be towards the operator.

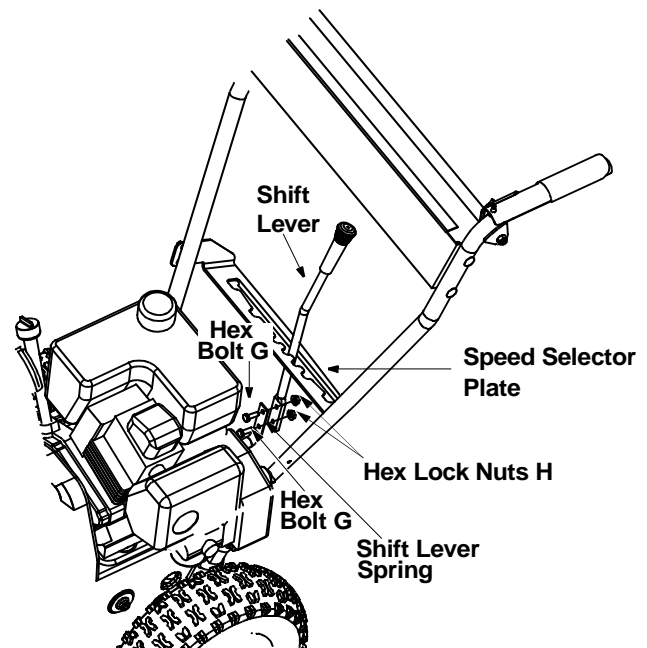


Figure 7

- Secure shift lever to the shift lever spring using two hex bolts (G) and hex lock nuts (H). Tighten both

bolts finger tight. At this point the shift lever and shift lever spring are not against each other. As you tighten the bolts and nuts with two wrenches, these will pull together. See Figure 7.

- Tighten all hardware assembled to this point. Make sure that clutch grips are moving freely.

## Attaching Control Cables

(Use Hardware E.)

- Thread hex nuts (J) onto the “Z” fittings (R). Insert “Z” fitting into hole in clutch grips. See Figure 8.
- Route the left cable between engine and speed selector plate and then between handle panel and clutch lever pivot rod before threading onto the left “Z” fitting.
- Assemble the right cable in the same manner.
- Both cables should have minimal slack, but not tight. Tighten or loosen hex nuts on the “Z” fitting to adjust.

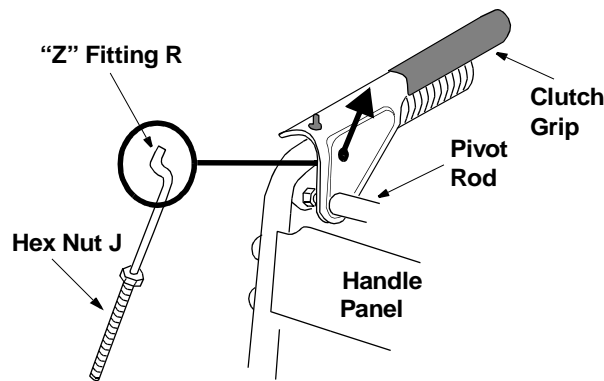


Figure 8

**IMPORTANT:** If the right hand lock-out cable is not adjusted correctly, wheels will tend to turn. If the left hand lock-out cable is not adjusted correctly, the augers will keep on rotating.

**IMPORTANT:** Please note that the drive clutch cable on units with 16” wheels is routed under the axle. In other units, the cable is routed over the axle.



**WARNING:** Do not over-tighten the clutch cables. Tension on either cable in the disengaged (up) position may override the safety features of the machine.

## Attaching Chute Assembly

(Use Hardware Group F.)

- 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. See Figure 9.

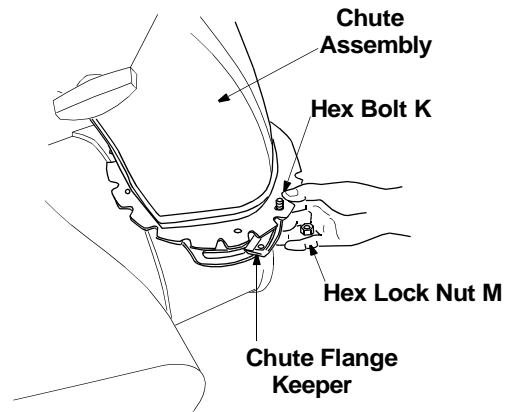


Figure 9

- Insert hex bolt (K) up through chute flange keeper and chute assembly as shown in Figure 9. Secure with hex lock nut (M). After assembling all three chute flange keepers, tighten all nuts and bolts securely. Do not over-tighten.

**NOTE:** Lock nuts cannot be threaded onto a bolt by hand. Tighten with two 7/16” or adjustable wrenches.

## Attaching Chute Directional Control

(Use Hardware Group G.)

- Loosen the two hex nuts which secure the lower chute directional control support bracket (see Figure 10) to the snow thrower housing.

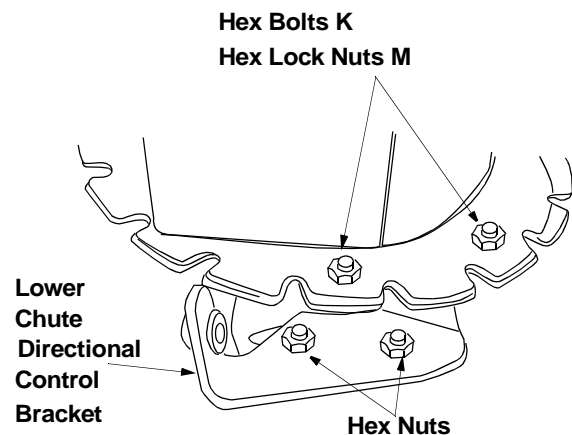
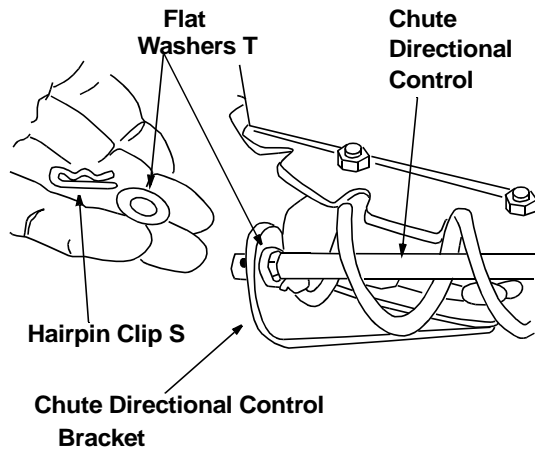


Figure 10

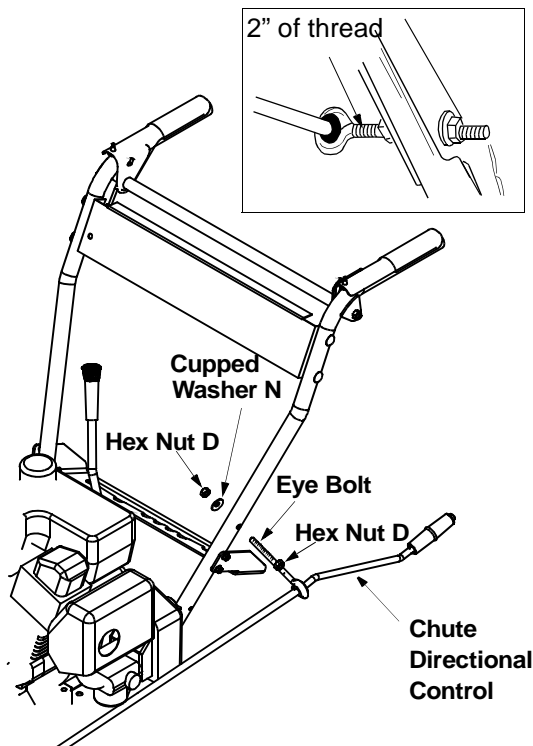
- Place one flat washer (T) over the end of the chute directional control, then insert the end of the chute directional control into the hole in the plastic bushing on the chute bracket. See Figure 11. Place second flat washer (T) on chute directional control, and secure with hairpin clip (S).





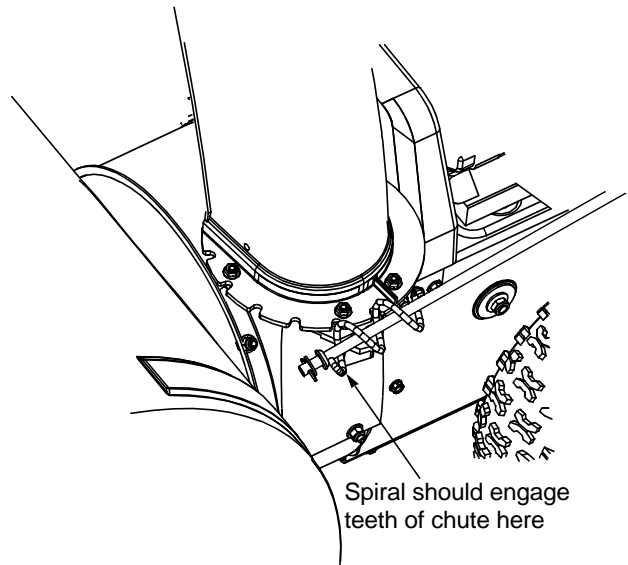
**Figure 11**

- Thread one hex nut (D) onto the eyebolt on the chute directional control assembly until there is at least two inches of threads showing between the nut and the eyebolt head. See Figure 12 inset.
- Place the eyebolt into the hole located half way up the left handle. See Figure 12. Secure with cupped washer (N) and hex nut (D) making sure that the cupped side of the washer is against the handle.



**Figure 12**

- Adjust the chute directional control bracket so that the spiral on the chute directional control fully engages the teeth on the chute assembly. See Figure 14. Tighten all hardware.



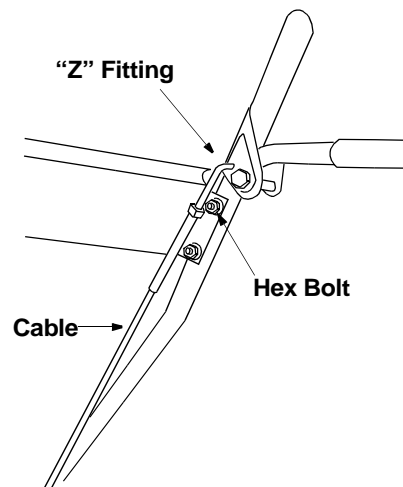
**Figure 13**

- Check to make sure all nuts and bolts on the control panel and all four bolts which secure the handles to the frame are tight.

## Final Assembly & Adjustments

### Auger Control

- To check the adjustment of the auger control, push forward on the left hand clutch grip (depress the rubber bumper). There should be slack in the cable. Release the clutch grip. The cable should be straight. Make certain you can depress the auger control grip against the left handle completely.
- If necessary, loosen the hex lock nut and thread the cable in (for less slack) or out (for more slack) as necessary. Refer to Figure 14.
- Tighten the lock nut against the cable when correct adjustment is reached.



**Figure 14**

### Traction Control & Shift Lever

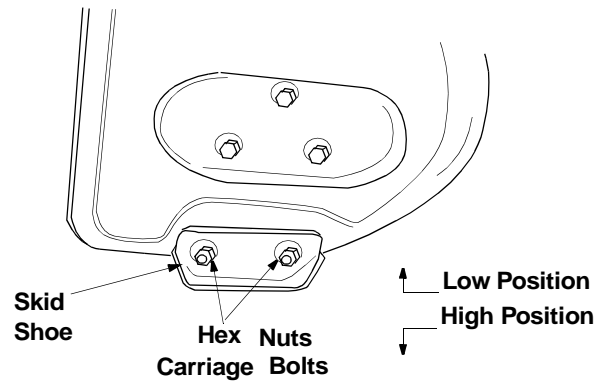
- To check the adjustment of the traction control and shift lever, move the shift lever all the way to the right to fifth (5) position. With the traction control released, push the snow thrower forward. The unit should move forward freely. Then engage the traction control grip. The wheels should stop turning.
- Now release the traction control grip, and push the unit again. Move the shift lever back to the fast reverse position, then all the way forward again. There should be no resistance in the shift lever, and the wheels should keep turning.
- If you feel resistance when moving the shift lever or the wheels stop when they should not, loosen the jam nut on the traction control cable and unthread the cable one turn.
- If the wheels do not stop when you engage the traction control grip, loosen the jam nut on the traction control cable and thread the cable in one turn.
- Recheck the adjustment and repeat as necessary. Tighten the jam nut to secure the cable when correct adjustment is reached.

**NOTE:** If you are not sure that you have adjusted correctly, refer to the Adjustment section later in this manual.

### Skid Shoes

The space between the shave plate and the ground can be adjusted.

- a. For close snow removal on a smooth surface, raise skid shoes higher on the auger housing. See Figure 15.
- b. Use a middle or lower position when the area to be cleared is uneven. See Figure 15.



**Figure 15**

- Adjust skid shoes by loosening the four hex nuts and carriage bolts as shown in Figure 15. Move skid shoes to desired position.
- Make certain the entire bottom surface of skid shoe is against the ground to avoid uneven wear on the skid shoes. Retighten nuts and bolts securely.

### Tire Pressure (Pneumatic Tires)

The tires are overinflated for shipping purposes.

- Check tire pressure. Maintain pressure between 15 to 20 psi. Refer to tire sidewalls for recommended tire pressure.

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

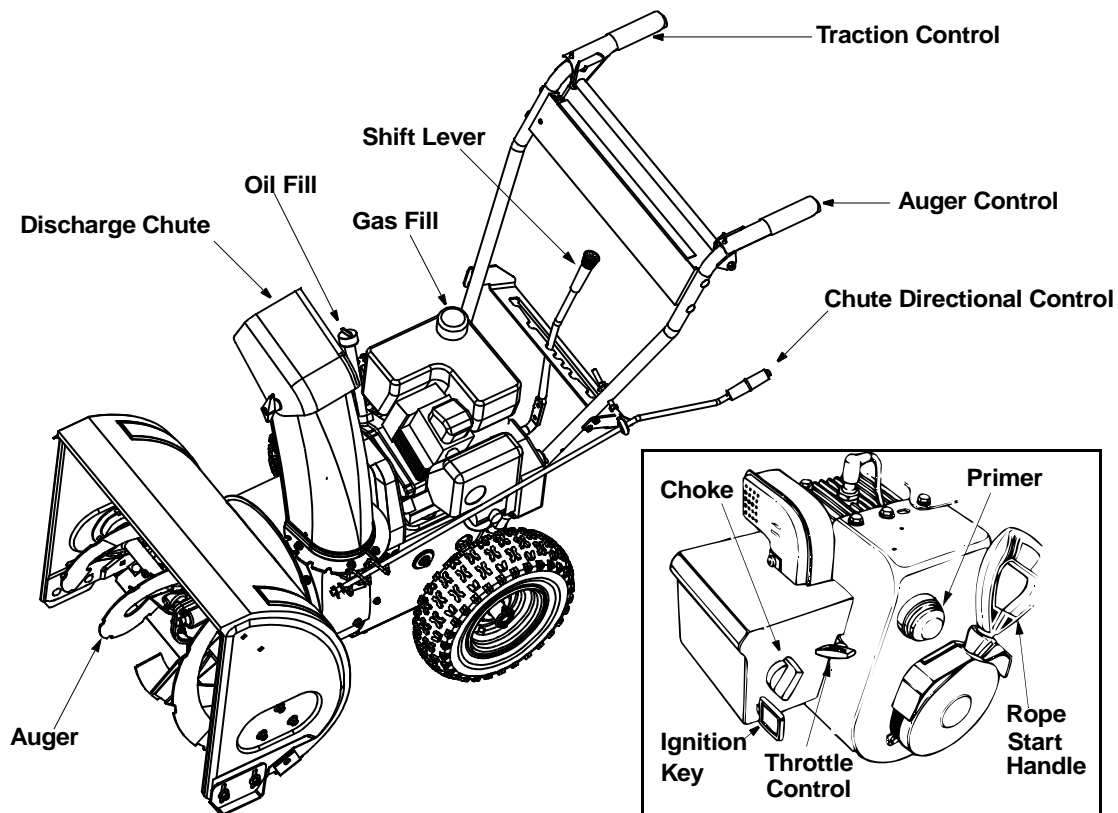


**WARNING:** Maximum tire pressure under any circumstance is 30 psi. Equal tire pressure should be maintained at all times. Excessive pressure (over 30 psi) when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

## SECTION 4: KNOW YOUR SNOW THROWER



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



**Figure 16**

### Shift Lever

The shift lever is located below the handle panel. See Figure 16. The shift lever may be moved into one of seven positions. Run engine with throttle in the fast position. Use the shift lever to determine ground speed. There are five forward and two reverse speeds on this snow thrower. Among the forward speeds, position one (1) is the slowest and position five (5) is the fastest. Among reverse speeds, R2 is the faster.

### Auger Control

The auger control is located on the left handle. Squeeze the auger control grip to engage the augers. Release to stop the augers. See Figure 16.

### Traction Control

The traction control is located on the right handle. Squeeze the traction control grip to engage the wheel drive. Release to stop. See Figure 16.

### Throttle Control

The throttle control is located on the engine. It regulates the speed of the engine. See Figure 16.

### Chute Directional Control

The chute directional control is located on left side of the snow thrower. See Figure 16. To change the direction in which snow is thrown, turn chute directional control as follows:

- Crank clockwise to discharge to the left.
- Crank counterclockwise to discharge to the right.

### Safety Ignition Key

The ignition key must be inserted in the switch before the unit will start. Remove the ignition key when snow thrower is not in use. Do not turn ignition key. See Figure 16.

### Fuel Cut-off Valve (If equipped)

The fuel cut-off valve, if equipped, located under the fuel tank, controls fuel flow from tank.

## SECTION 5: OPERATING YOUR SNOW THROWER

### Before Starting



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

- Check the oil level in the engine before operating; fill up if necessary. Be careful not to overfill.
- The spark plug wire was disconnected for safety. Attach spark plug wire to spark plug before starting.

### Gas & Oil Fill-Up

- Check oil level and add oil if necessary. Service the engine with gasoline as instructed in the separate engine manual packed with your snow thrower.



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

### To Start Engine

- Attach spark plug wire to spark plug. Make certain the metal loop on the end of the spark plug wire (inside the boot) is fastened securely over the metal tip on the spark plug. See Figure 17.

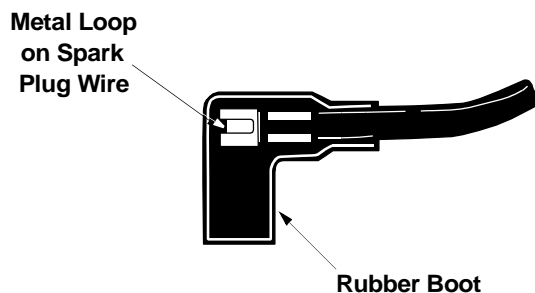


Figure 17

- Make certain the fuel cut-off valve, if your snow thrower is so equipped, is in OPEN position.
- Make certain the auger and drive clutch levers are in the disengaged (released) position.
- Move throttle control up to FAST position. Insert ignition key into slot. Make sure 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 (If equipped)



**WARNING:** The optional 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.
- Rotate choke knob to OFF position.
- Connect power cord to switch box on engine. Plug the other end of power cord into a three-prong 120-volt, grounded, AC receptacle.
- Push starter button 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 for cold engine start.
- If engine is warm, push primer button only once.

**NOTE:** Always cover vent hole in primer button when pushing. Additional priming may be necessary for first start if temperature is below 15 degrees Fahrenheit.

- 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.

- As engine warms up and begins to operate evenly, rotate choke knob slowly to OFF position. If engine falters, return to FULL choke, then slowly move to OFF position.

## To Stop Engine

- Run engine for a few minutes before stopping to help dry off any moisture on the engine.
- To help prevent possible freeze-up of starter, proceed as follows.

### Electric Starter (If equipped)

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

**NOTE:** Do not lose ignition key. Keep it in a safe place. Engine will not start without the 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 Drive

- With the engine running near top speed, move shift lever into one of the five FORWARD positions or two REVERSE positions. Select a speed

appropriate for the snow conditions that exist. Use the slower speeds until you are familiar with the operation of the snow thrower.

- Squeeze the auger control grip and the augers will turn. Release it and the augers will stop.
- Squeeze traction control grip and the snow thrower will move. Release it and drive motion will stop.
- NEVER move shift lever without releasing drive clutch

## To Engage Augers

- To engage the augers and start throwing snow, squeeze the auger control grip against the left handle. Release to stop the augers.

## Tire Chains (If equipped)

- Tire chains should be used whenever extra traction is needed.

## Operating Tips

- Allow the engine to warm up for a few minutes as the engine will not develop full power until it reaches operating temperature.



**WARNING:** Muffler, engine and surrounding areas become hot and can cause a burn. Do not touch.

- For most efficient snow removal, remove snow immediately after it falls.
- Discharge snow downwind whenever possible. Slightly overlap each previous swath.
- Set the skid shoes 1/4" below the scraper bar for normal usage. The skid shoes may be adjusted upward for hard-packed snow. Adjust downward when using on gravel or crushed rock.
- Be certain to follow the precautions listed under “To Stop Engine” to prevent possible freeze-up.
- Clean the snow thrower thoroughly after each use.

## SECTION 6: MAKING ADJUSTMENTS



**WARNING:** Never attempt to make any adjustments while the engine is running, except where specified in operator’s manual.

### Chute Assembly

- The distance snow is thrown can be controlled by adjusting the angle of the top section of the chute assembly.

### Skid Shoe

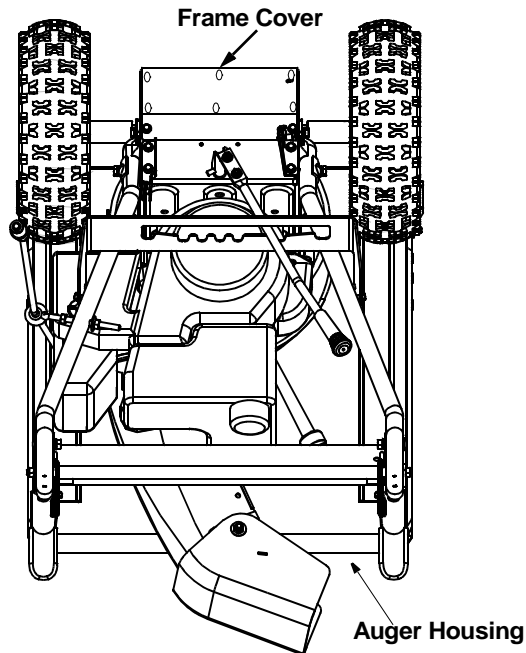
- The space between the shave plate and the ground can be adjusted. Refer to the Final Assembly and Adjustments section on page 10.

### Traction Control

- Drain gasoline and engine oil from the snow thrower. Place plastic film under the gas cap if the

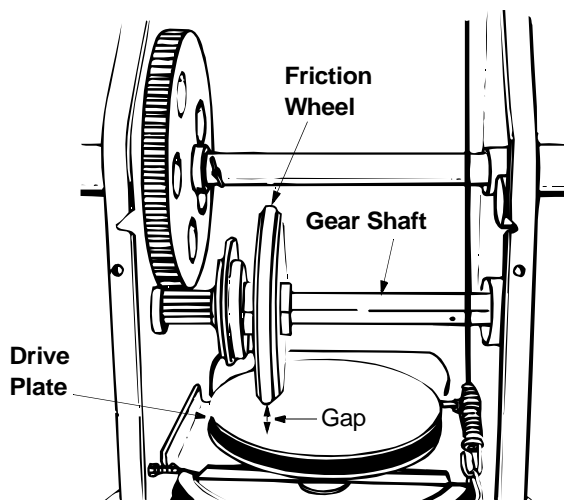
snow thrower has already been operated. Tip the snow thrower so that it rests on the auger housing. See Figure 18.

- Remove the frame cover underneath the snow thrower by removing six self-tapping screws. For location of the frame cover, see Figure 18.



**Figure 18**

- When the traction control is released, there must be clearance between the friction wheel and the drive plate in all positions of the shift lever. When the traction control is engaged, the friction wheel must contact the drive plate. See Figure 19.



**Figure 19**

- If any one of these are not occurring, adjustment is necessary. Follow the steps below to adjust the traction control.

- Loosen the lock nut on the traction control cable and thread the cable in or out as necessary. Tighten the lock nut to secure the cable when correct adjustment is reached. Reassemble the frame cover.

**NOTE:** If you placed plastic under the gas cap earlier, remove it now.

## Auger Control

- To adjust the auger clutch, refer to Final Assembly and Adjustments on page 9.

## Carburetor

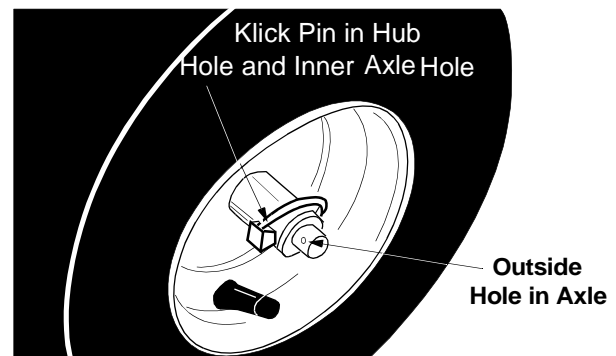


**WARNING:** If any adjustments need to be made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of muffler, engine and other surrounding heated surfaces.

- Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.
- Refer to the separate engine manual, packed with your unit, for carburetor adjustment information.

## Drive Wheels

- The wheels may be adjusted for two different methods of operation. Follow the steps below for adjustment. See Figure 20.



**Figure 20**

### One Wheel Driving

- On the right side of the unit, place click pin in the outside axle hole only. Do not place pin through wheel hub. This position gives power drive to the left wheel only, making the unit easier to maneuver.

### Both Wheels Driving

- Rotate wheel assembly to align hole in the hub with the inner hole on the axle shaft. Insert click pin in the hole. Outer axle shaft hole should be visible. See Figure 20.

## SECTION 7: MAINTAINING YOUR SNOW THROWER

### Lubrication



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

#### Engine

- Refer to engine manual for lubrication instructions.

**IMPORTANT:** When lubricating engine or draining oil, avoid dripping oil onto transmission parts.

#### Wheels

- Oil or spray lubricant into bearings at wheels at least once a season. Pull click pin, remove wheels, clean and coat axles with a multipurpose automotive grease. See Figure 21.

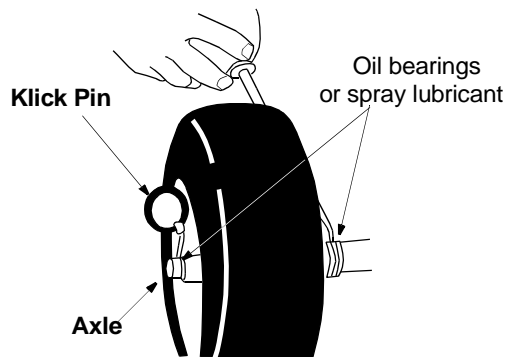


Figure 21

#### Chute Directional Control

- The worm gear on the chute control should be lubricated with multipurpose automotive grease.

#### Auger Shaft

- At least once a season, remove shear bolts on auger shaft. Oil or spray lubricant inside shaft and lubricate the auger bearings. See Figure 22.

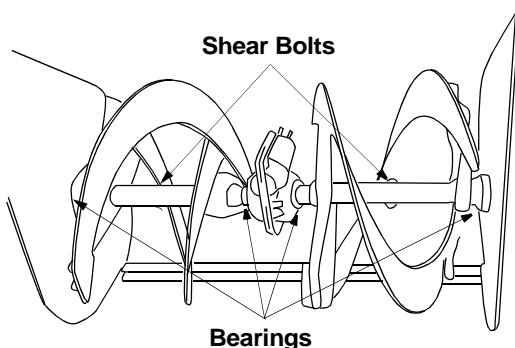


Figure 22

#### Gear Shaft

- Lubricate the gear shaft with a good all-weather multi-purpose light grease at least once a season or after every 25 hours of operation.

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

#### Drive and Shifting Mechanism

- Remove rear cover. Oil any chains, sprockets, gears, bearings, shafts, and shifting mechanism at least once a season. Use engine oil or a spray lubricant. Avoid getting oil on rubber friction wheel and aluminum drive plate. See Figure 23.

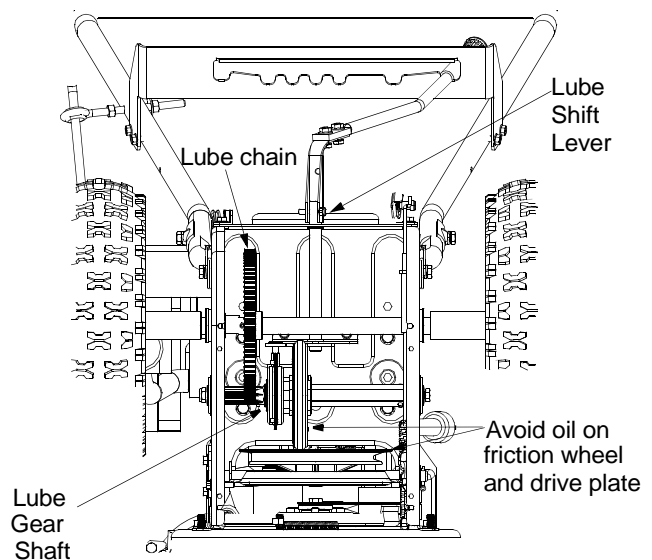


Figure 23

#### Gear Case

- The worm gear case has been filled with grease at the factory. If disassembled for any reason, lubricate with 2 ounces of shell grease, part number 737-0168.

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

### Friction Wheel

- The rubber on the friction wheel is subject to wear and should be checked after 25 hours of operation, and periodically thereafter. Replace the friction wheel rubber if any signs of wear or cracking are found following instructions on page 17.

### Tire Pressure

- Follow instructions on page 10.

## SECTION 8: SERVICE



**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.

### Engine

- Refer to the engine manual for all engine maintenance procedures.

### Augers

- The augers are secured to the spiral shaft with two shear bolts and hex lock nuts. See Figure 22. If you hit a hard foreign object or ice jam, the snow thrower is designed so that the bolts may shear.
- If the augers will not turn, check to see if the bolts have sheared. Replacement shear bolts and hex lock nuts have been provided with the snow thrower. When replacing bolts, spray an oil lubricant into shaft before inserting new bolts.

### Shave Plate and Skid Shoes

- The shave plate and skid shoes on the bottom of the snow thrower are subject to wear. They should be checked periodically and replaced when necessary.
- To remove skid shoes, remove the four carriage bolts, cupped washers and hex nuts which attach them to the snow thrower. Reassemble new skid shoes with the four carriage bolts, cupped washers (cupped side goes against skid shoes) and hex nuts. See Figure 24.

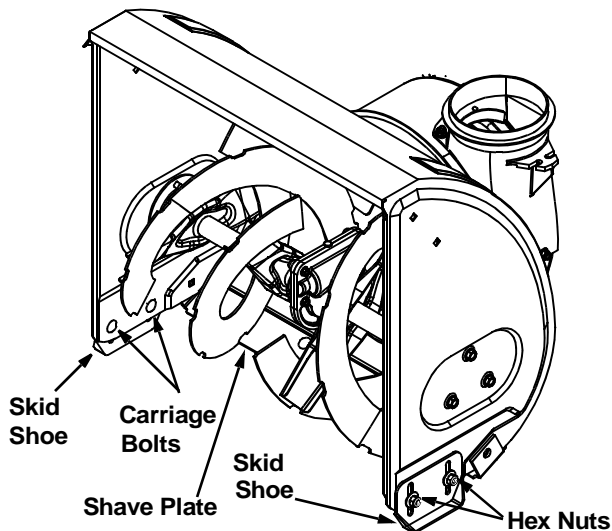


Figure 24

- To remove shave plate, remove the carriage bolts, cupped washers and hex nuts which attach it to the snow thrower housing. See Figure 24. Reassemble new shave plate, making sure heads of carriage bolts are to the inside of housing. Tighten securely.

### Belt Removal and Replacement



**WARNING:** Disconnect spark plug wire and ground it against the engine to prevent unintended starting. Drain fuel into an approved container or place a piece of plastic film underneath the gas cap to prevent gasoline from leaking.

#### Auger Belts

- Remove plastic belt cover from front of the engine by removing the two self-tapping screws. See Figure 25.

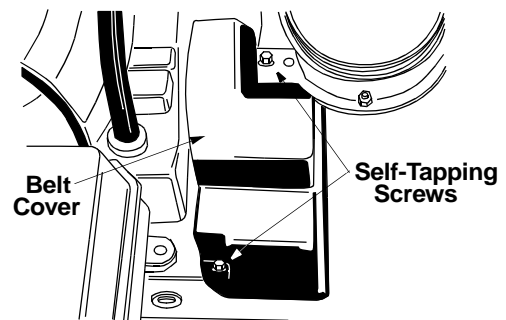


Figure 25

- Drain gasoline from the snow thrower, or place a piece of plastic under the gas cap. Tip the unit up and forward so that it rests on auger housing.
- Remove six self-tapping screws from the frame cover underneath the snow thrower.
- Roll auger belt off the engine pulley. See Figure 26.

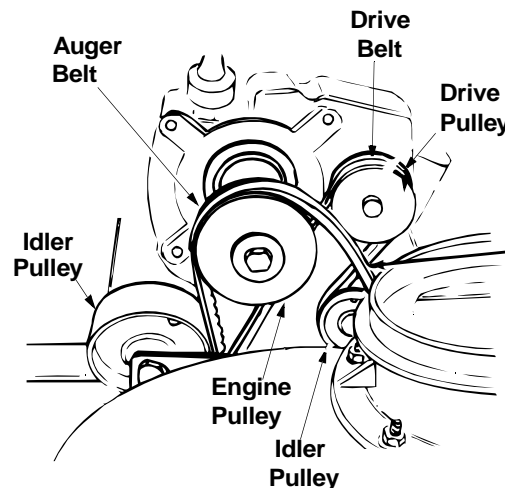


Figure 26



- Unhook the idler spring from the hex bolt on the auger housing. See Figure 27.
- Unhook the support bracket spring from the frame.

**NOTE:** It may be necessary to loosen the six nuts that connect the frame to the auger housing to aid in belt removal.

- Lift the rear auger belt from the auger pulley, and slip belt between the support bracket and the auger pulley. See Figure 26. Repeat this step to remove the front auger belt.
- Reassemble both auger drive belts by following instructions in reverse order.

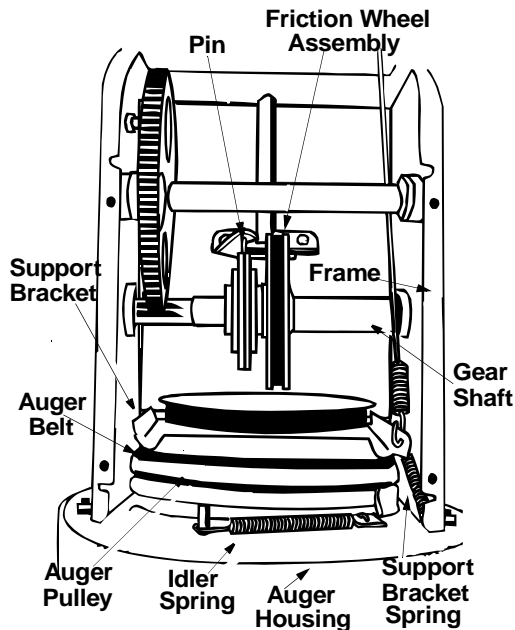


Figure 27

#### Drive Belt

- Follow first four steps of previous instructions.
- Pull idler pulley up, and lift belt off engine pulley and friction wheel disc. See Figure 26.
- Using a wrench, loosen the nut on the stop bolt until the support bracket rests on the auger pulley. See Figure 28.

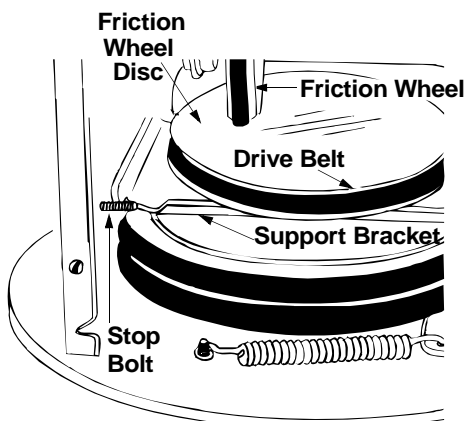


Figure 28

- Slip belt between friction wheel and friction wheel disc. See Figure 28. Remove and replace belt. Reassemble in reverse order.

**NOTE:** The support bracket must rest on the stop bolt after the new belt has been assembled. See Figure 28.

## Friction Wheel Rubber

Replace the friction wheel rubber if any signs of wear or cracking are found. Follow instructions below to replace the rubber.



**WARNING:** Disconnect the spark plug wire and ground it against the engine to prevent unintended starting. Drain fuel into an approved container or place a piece of plastic film underneath the gas cap to prevent gasoline from leaking.

- Tip the snow thrower up and forward, so that it rests on housing. See Figure 18.
- Remove six self-tapping screws from the frame cover underneath the snow thrower.
- Remove the click pins which secure the wheels, and remove the wheels from the axle.
- Using a wrench to hold the shaft, loosen, but do not completely remove, the hex nut and bell washer on the left end of gear shaft. See Figure 29.
- Lightly tap the hex nut to dislodge the ball bearing from the right side of the frame. Remove the hex nut and bell washer from the left end of the shaft.

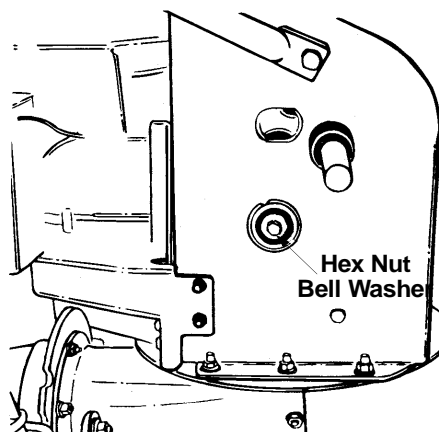


Figure 29

- Slide the gear shaft to the right, then slide the friction wheel assembly from the shaft.

- Remove the six screws from the friction wheel assembly (three from each side). See Figure 30.

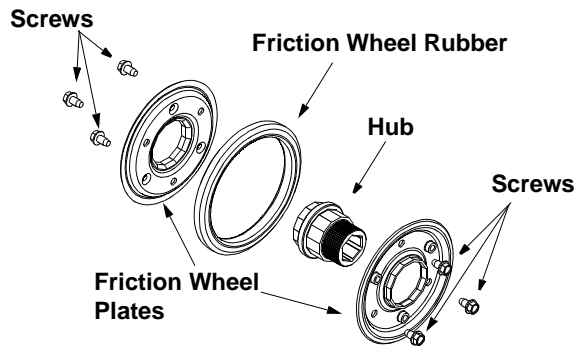


Figure 30

- Remove the friction wheel rubber from between the friction wheel plate.
- Reassemble new friction wheel rubber to the friction wheel assembly, tightening the six screws in rotation and with equal force. See Figure 30.
- Slide friction wheel assembly back onto the gear shaft. Be sure to align the pin on the shift rod with hole in the friction wheel assembly. See Figure 27.
- Reassemble gear shaft and the wheels. Reattach the frame cover. Flip snow thrower back to its operating position and remove any plastic from under the machine or around the gas cap if you had put it earlier.

## SECTION 9: OFF-SEASON STORAGE



**WARNING:** Never store the machine or fuel container indoors where there is an open flame, spark or pilot light such as on a water heater, furnace, clothes dryer or other gas appliances.

If unit is to be stored over 30 days, prepare for storage as follows:

- Remove gasoline from carburetor and fuel tank to prevent gum deposits from forming on these parts and causing possible malfunction of engine.
- Run engine until fuel tank is empty and engine stops due to lack of fuel.
- Drain carburetor by pressing upward on bowl drain, located below the carburetor cover.



**WARNING:** Drain fuel into an approved container outdoors, away from open flame. Allow engine to cool. Extinguish cigarettes, cigars, pipes, and other sources of ignition prior to draining fuel. Fuel left in engine for extended period deteriorates and will cause serious starting problems.

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

- Remove all dirt from exterior of engine and equipment.
- Remove spark plug and pour one ounce of engine oil through spark plug hole into cylinder. Cover spark plug hole with rag. Crank engine several times to distribute oil. Replace spark plug.
- Follow lubrication recommendations on page 15.

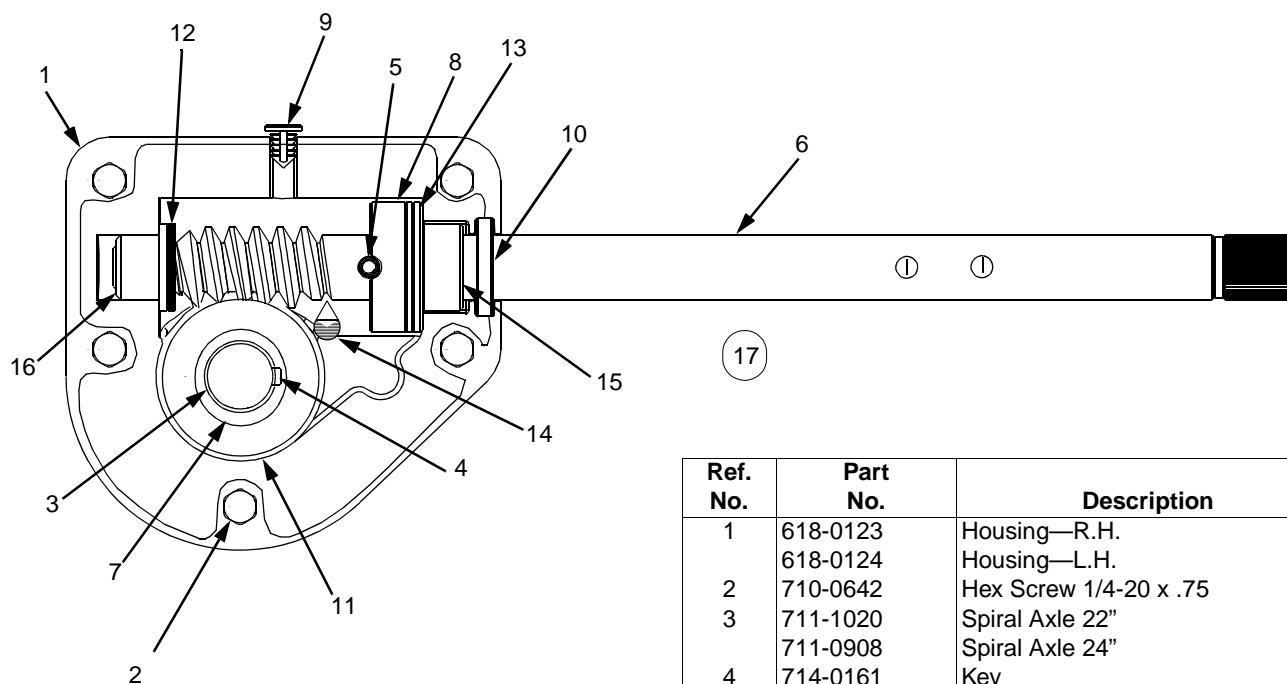
**NOTE:** When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

## SECTION 10: TROUBLE SHOOTING GUIDE

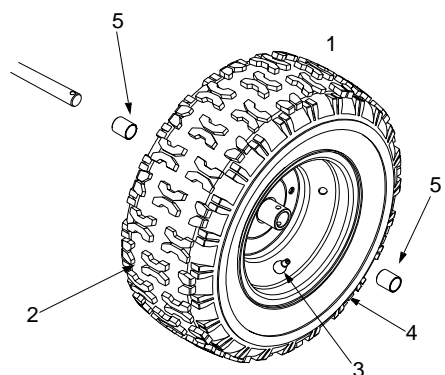
Trouble	Possible Cause(s)	Corrective Action
Engine fails to start	Fuel tank empty, or stale fuel. Blocked fuel line. Choke not in ON position Faulty spark plug. Key not in switch on engine. Spark plug wire disconnected. Primer button not depressed. Fuel shut-off valve closed (if so equipped).	Fill tank with clean, fresh gasoline. Fuel will not last over thirty days unless a fuel stabilizer is used. Clean fuel line. Move switch to ON position Clean, adjust gap or replace. Insert key. Connect spark plug wire. Refer to the engine manual. Open fuel shut-off valve.
Engine runs erratic	Unit running on CHOKE. Blocked fuel line or stale fuel. Water or dirt in fuel system. Carburetor out of adjustment.	Move choke lever to OFF position. Clean fuel line; fill tank with clean fresh gasoline. Fuel will not last over thirty days unless a fuel stabilizer is used. Drain fuel tank. Refill with fresh fuel. Refer to the engine manual.
Loss of power	Spark plug wire loose. Gas cap vent hole plugged. Exhaust port plugged.	Connect and tighten spark plug wire. Remove ice and snow from cap. Be certain vent hole is clear. Clean following the engine manual.
Engine overheats	Carburetor not adjusted properly. Incorrect fuel mixture.	Refer to the engine manual packed with your unit or have carburetor adjusted by an authorized service dealer. Drain fuel tank. Refill with proper fuel mixture.
Excessive vibration	Loose parts or damaged auger.	Stop engine immediately and disconnect spark plug wire. Tighten all bolts and nuts. Make all necessary repairs. If vibration continues, have unit serviced by an authorized service dealer.
Unit fails to propel itself	Incorrect adjustment of drive cable. Drive belt loose or damaged.	Adjust drive cable. Refer to page 10 of this manual. Replace drive belt. Refer to page 17 of this manual.
Unit fails to discharge snow	Discharge chute clogged. Foreign object lodged in auger. Incorrect adjustment of drive cable. Drive belt loose or damaged.	Stop engine immediately and disconnect spark plug wire. Clean discharge chute and inside of auger housing. Stop engine immediately and disconnect spark plug wire. Remove object from auger. Adjust drive cable. Refer to page 10 of this manual. Replace drive belt. Refer to page 17 of this manual.

**NOTE:** For repairs beyond the minor adjustments above, contact your local authorized service dealer.

## SECTION 11: PARTS LIST FOR MODEL 611



Ref. No.	Part No.	Description
1	618-0123	Housing—R.H.
	618-0124	Housing—L.H.
2	710-0642	Hex Screw 1/4-20 x .75
3	711-1020	Spiral Axle 22"
	711-0908	Spiral Axle 24"
4	714-0161	Key
5	715-0143	Pin-Spiral
6	717-0526	Shaft-Worm
7	717-0528	Gear-Worm
8	718-0186	Collar-Thrust
9	721-0325	Plug
10	721-0327	Seal-Oil
11	736-0351	Washer-Flat
12	736-0369	Washer-Flat
13	736-0445	Washer-Flat
14	737-0168	Grease
15	741-0662	Bearing-Flange
16	741-0663	Bearing-Flange
17	618-0152	Ass'y. Complete 22"
	618-0120	Ass'y Complete 24"

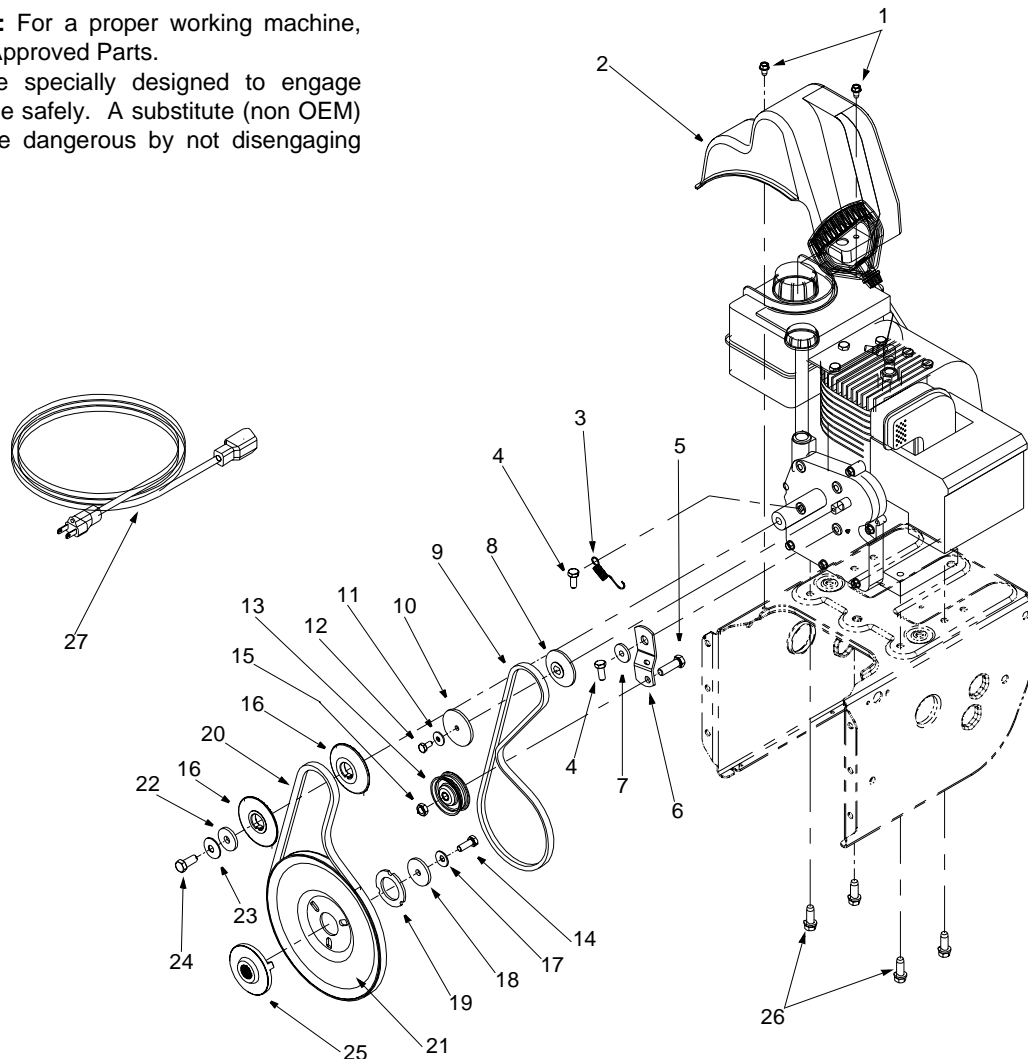


Wheel Assembly						
Size	Ref. No. 1	Ref. No. 2	Ref. No. 3	Ref. No. 4	Ref. No. 5	Ref. No. 6
	Wheel Ass'y Complete	Tire Only	Air Valve	Rim Only	Sleeve Bearing (2)	Klik Pin
13 x 4	634-0114	734-1732	734-0255	734-1713	741-0401	714-0143
13 x 5( w/22" Housing)	634-0166	734-1527	734-0255	684-0129	741-0401	714-0143
13 x 5( w/24" Housing)	734-1714	734-1527	734-0255	734-1713	741-0401	714-0143

# Snow Thrower Model 611

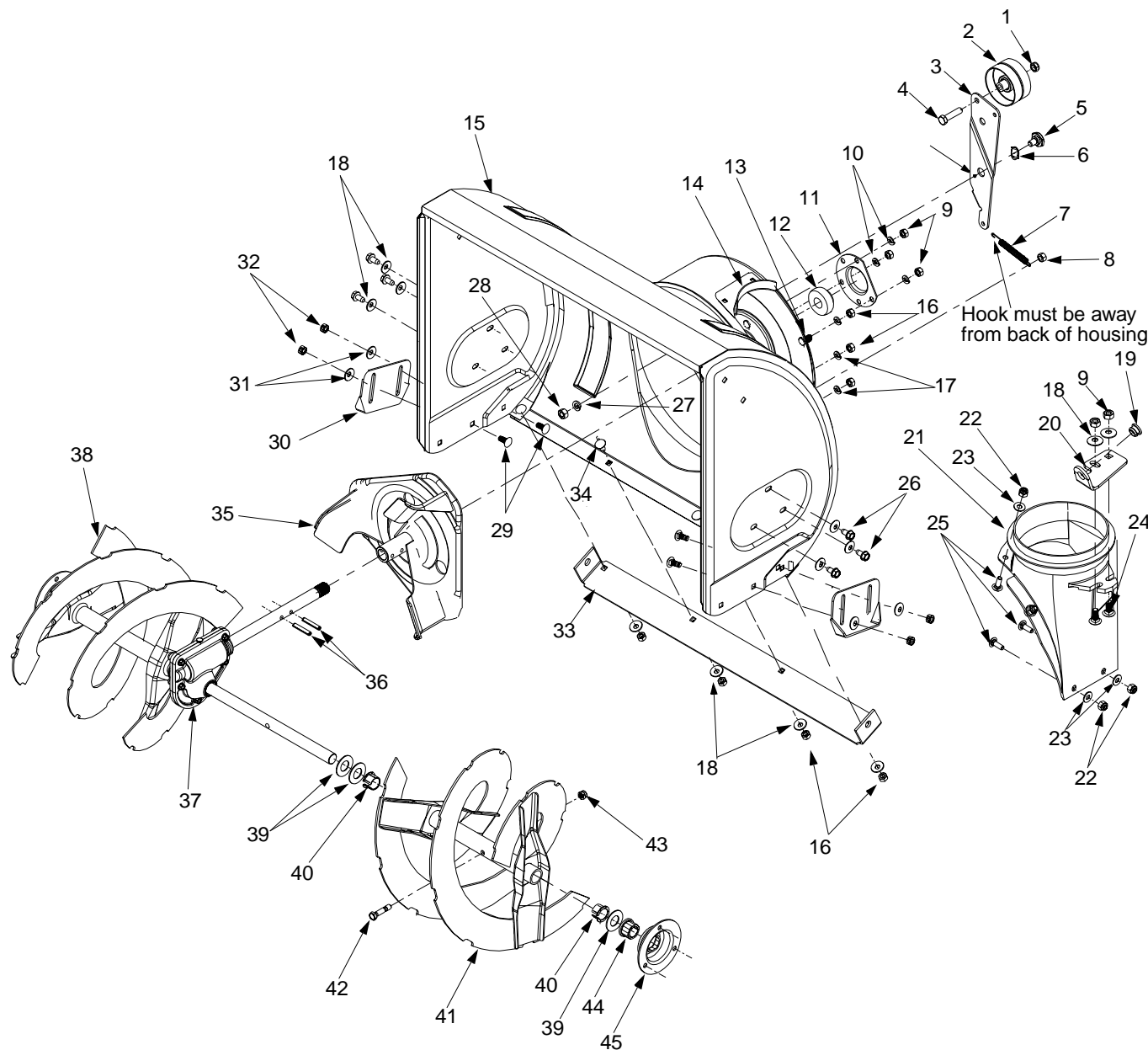
**IMPORTANT:** For a proper working machine, use Factory Approved Parts.

**V-BELTS** are specially designed to engage and disengage safely. A substitute (non OEM) V-Belt can be dangerous by not disengaging completely.



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	710-1652	Hex Washer Screw 1/4-20 x.625	15	712-0181	Lock Jam Nut 3/8-16
2	731-1324	Belt Cover	16	756-0569	Pulley Half
3	732-0339	Extension Spring	17	736-0242	Bell Washer
4	710-0627	Hex Screw 5/16-24 x .75	18	736-0505	Flat Washer
5	710-3005	Hex Cap Screw 3/8-16 x 1.25	19	736-0507	Washer
6	05896A	Drive Clutch Bracket	20	754-0430A	Belt
7	748-0234	Shoulder Spacer	21	756-0967	Auger Pulley
8	756-0985	Pulley Half	22	736-0247	Flat Washer
9	754-0343	V-Belt	23	736-0331	Bell Washer
10	756-0984	Pulley Half	24	710-0696	Hex Cap Screw 3/8-24
11	736-0270	Bell Washer	25	748-0360	Pulley
12	710-0230	Hex Cap Screw 1/4-28 x .50	26	710-0654A	Hex Washer Screw 3/8-16 x 1.0
13	756-0313	Flat Idler	27	629-0071	Extension Cord
14	710-1245	Lock Cap Screw 5/16-24		OEM-390-986	Electric Start Kit

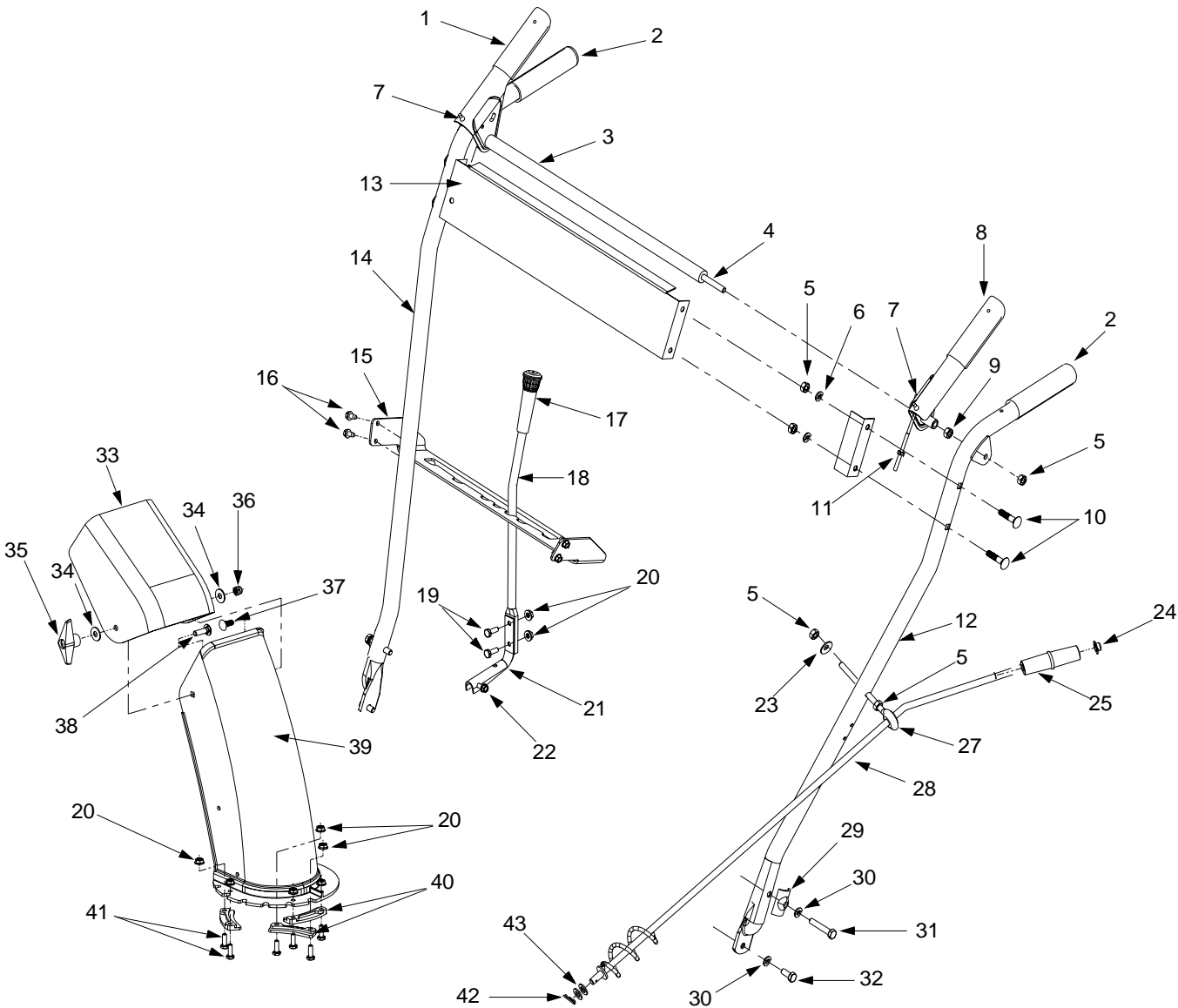
# Snow Thrower Model 611



# Snow Thrower Model 611

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	712-0116	Lock Jam Nut 3/8-24	26	710-0604	Hex Washer Screw 5/16-18
2	756-0178	Flat Idler	27	736-0169	Lock Washer 3/8
3	784-5632A	Auger Idler Arm	28	712-0798	Hex Nut 3/8-16
4	710-0459A	Hex Cap Screw 3/8-24 x 1.50	29	710-0451	Carriage Bolt 5/16-18 x .75
5	738-0281	Shoulder Screw	30	784-5580	Snow Shoe
6	736-0167	Wave Washer	31	736-0242	Bell Washer
7	732-0611	Extension Spring	32	712-3010	Hex Nut 5/16-18
8	712-3068	Hex Nut 5/16-18	33	784-5576	22" Shave Plate
9	712-3010	Hex Nut 5/16-18		784-5581A	24" Shave Plate
10	736-0119	Lock Washer 5/16	34	710-0451	Carriage Bolt 5/16-18 x .62
11	05931A	Housing	35	684-0065	Impeller Assembly
12	741-0309	Ball Bearing	36	715-0114	Pin
13	710-0451	Carriage Bolt 5/16-18	37	618-0152	22" Gear Assembly
14	705-5226	Reinforcement Chute		618-0120	24" Gear Assembly
15	684-0052B	22" Housing Assembly	38	605-5252A	Spiral 22" RH
	684-0039C	24" Housing Assembly		605-5188A	Spiral 24" RH
16	712-3010	Hex Nut 5/16-18	39	736-0188	Flat Washer
17	736-0119	Lock Washer 5/16	40	741-0493A	Flange Bushing
18	736-0242	Bell Washer	41	605-5253A	Spiral 22" LH
19	741-0475	Bushing		605-5189A	Spiral 24" LH
20	784-5647	Chute Directional Control Bracket	42	710-0890A	Shear Bolt 5/16-18 x 1.5
21	731-1379B	Chute Adapter	43	712-0429	Lock Nut 5/16-18
22	712-0324	Hex Lock Nut 1/4-20	44	741-0245	Hex Flange Bearing
23	736-0463	Flat Washer	45	784-5618	Bearing Housing
24	710-0451	Carriage Bolt	46	737-0318	Grease Fitting
25	710-0703	Carriage Screw 1/4-20 x .75			

# Snow Thrower Model 611

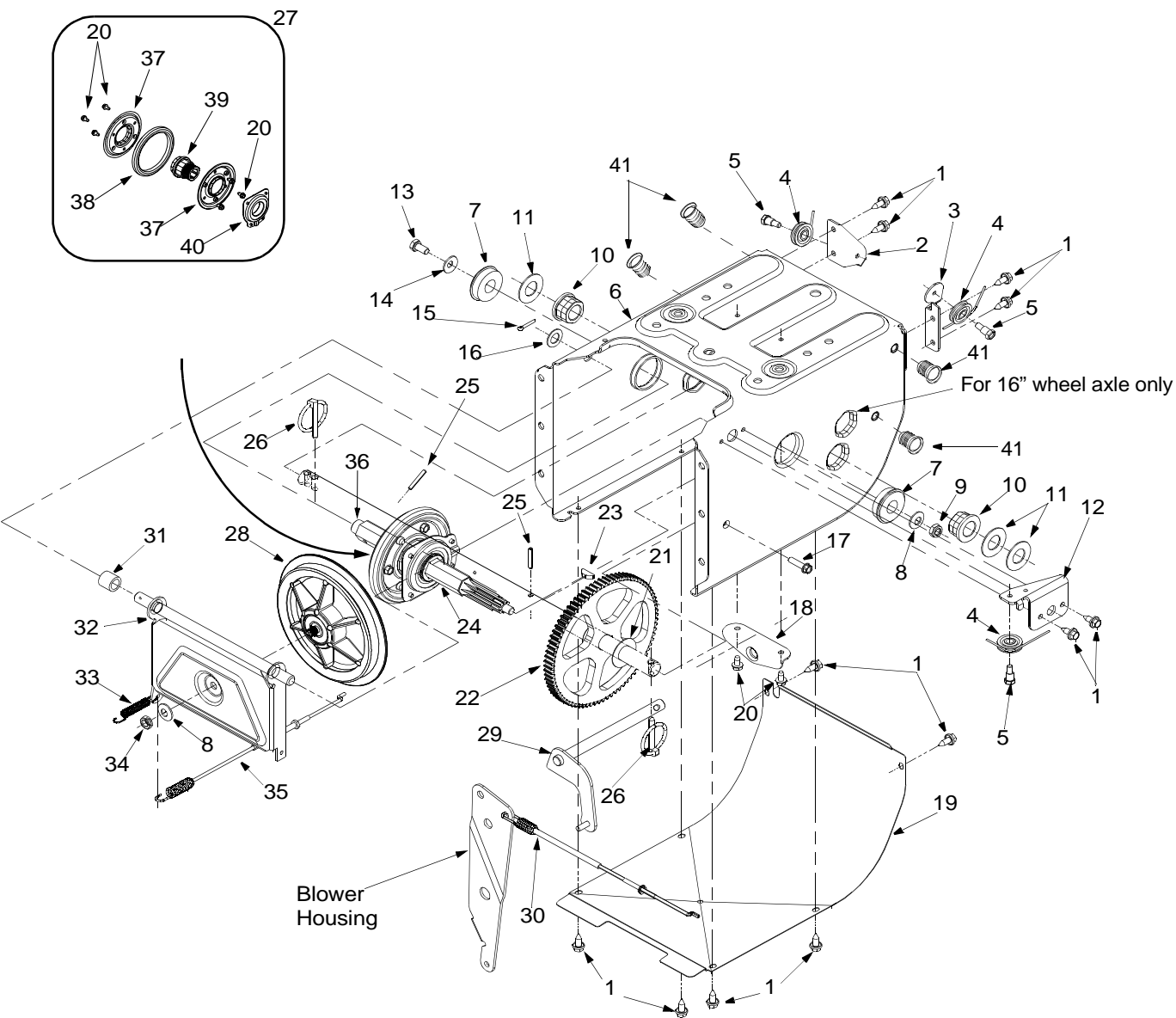




# Snow Thrower Model 611

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	705-5234	Clutch Lever Assembly - RH	23	736-0242	Bell Washer
2	720-0204	Grip	24	726-0100	Push Cap
3	731-1500	Pivot Rod Cover	25	720-0201A	Chute Knob
4	747-0905	Pivot Rod	27	747-0697	Eyebolt
5	712-3010	Hex Nut 5/16-18	-	735-0234	Grommet only
6	736-0119	Lock Washer 5/16	28	705-5204A	Chute Directional Control Assembly
7	735-0199A	Rubber Bumper	29	784-5599	Handle Tab
8	705-5233	Clutch Lever Assembly - LH	30	736-0119	Lock Washer 5/16
9	712-3027	Lock Hex Nut 1/4-20	31	710-3180	Hex Cap Screw 5/16-18 x 1.75
10	710-0262	Carriage Bolt 5/16-18 x 1.50	32	710-3008	Hex Cap Screw 5/16-18 x .75
11	746-0778	Z - Cable	33	731-0921	Upper Chute
12	684-0047A	Handle - LH	34	736-0159	Washer 5/16
13	705-5232	Panel	35	720-0284	Knob
14	684-0048A	Handle - RH	36	712-0429	Hex Lock Nut 5/16-18
15	705-5231	Speed Select Panel	37	710-0451	Carriage Bolt 5/16-18 x .75
16	710-0599	Hex Washer Screw 1/4-20 x .50	38	710-0276	Carriage Screw 5/16-18 x 1.0
17	720-0223	Grip	39	731-1300A	Lower Chute
18	747-0904	Shift Lever	40	731-0851A	Flange Keeper
19	710-3015	Hex Cap Screw 1/4-20 x .75	41	710-3015	Hex Cap Screw 1/4-20 x .75
20	712-3027	Hex Lock Nut 1/4-20	42	714-0104	Cotter Pin
21	732-0733	Shift Lever Spring	43	736-0185	Flat Washer 3/8
22	710-0788	Hex Washer Screw 1/4-20 x 1.0			

# Snow Thrower Model 611



# Snow Thrower Model 611

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1.	710-0599	Self-Tapp. Screw 1/4-20 x 0.5"	22.	717-1445	Gear
2.	784-5688	Drive Cable Guide Bracket	23.	714-0126	Key
3.	784-5687A	Auger Clutch Cable Bracket	24.	717-1444	7-Tooth Shaft
4.	756-0625	Roller Cable	25.	715-0249	Roll Pin
5.	738-0924	Hex Screw 1/4-28	26.	714-0143	Klik Pin
6.	784-5630A	Frame Assembly	27.	684-0042C	Friction Wheel Assembly
7.	741-0563	Ball Bearing	28.	656-0012A	Friction Disc Wheel
8.	736-0105	Bell Washer	29.	684-0013B	Wheel Shift Rod Assembly
9.	712-0116	Lock Jam Nut	30.	746-0897	Drive Cable
10.	741-0598	Hex Flange Bearing	31.	748-0190	Spacer
11.	736-0188	Flat Washer	32.	684-0021	Friction Wheel Bracket Assembly
12.	784-5689A	Front Support Guide Bracket	33.	732-0264	Extension Spring
13.	710-0538	Lock Hex Screw	34.	712-0711	Jam Nut 3/8-24
14.	736-0242	Bell Washer .340 ID x .872 OD	35.	746-0898	Drive Cable
15.	714-0474	Cotter Pin	36.	738-0869	22 .2" Axle (used w/ 13 x 4 tire)
16.	736-0160	Flat Washer .536 ID x .930 OD		738-0991	21.4" Axle (used w/ 13 x 5 tire)
17.	710-1107	Hex Washer Screw 1/4-20 x .625"	37.	784-5617A	Friction Plate
18.	784-5590	Frame Shift Bracket	38.	735-0243	Friction Wheel Rubber
19.	784-5638	Frame Cover	39.	718-0301A	Friction Wheel Hub
20.	710-0599	Hex Washer Screw 1/4-20	40.	618-0063	Friction Wheel Bearing
21.	736-0351	Flat Washer .760 ID x .50 OD	41.	712-0703	Nut Insert

# MANUFACTURER'S LIMITED WARRANTY FOR:



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

MTD warrants this product against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in material 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 accessory or attachment not approved by MTD Products Inc. for use with the product(s) covered by this manual will void your warranty as to any resulting damages.

Normal wear parts or components thereof are subject to separate terms as follows: All normal wear part or component failures will be covered on the product for a period of 90 days regardless of cause. After 90 days, but within the two year period, normal wear part failures will be covered ONLY IF caused by defects in material or workmanship of OTHER component parts. Normal wear parts and components include, but are not limited to, belts, blades, blade adapters, grass bags, rider deck wheels, seats, snow thrower skid shoes, shave plates and tires. Batteries are covered by a 90-day limited replacement warranty.

**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, please check for a listing in the Yellow Pages or contact the Customer Service Department of MTD PRODUCTS INC by calling 1-800-800-7310 or writing to P.O. Box 368022, Cleveland, Ohio 44136-9722.

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

- a. The engine or component parts thereof. These items carry a separate manufacturer's warranty. Please refer to the applicable manufacturer's warranty on these items.
- b. Log splitter pumps, valves and cylinders have a separate one year warranty.

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

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

**No implied warranty, including any implied warranty of merchantability or 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 or guaranty, 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.** (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

**The provisions as set forth in this Warranty provide the sole and exclusive remedy arising from the sales. MTD shall not be liable for incidental or consequential loss or damages including, without limitation, expenses incurred for substitute or replacement lawn care services, for transportation or for related expenses, or for rental expenses to temporarily replace a warranted product.** (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation 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 the 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 use or misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser, original lessee or the person for whom it was purchased as a gift.

**How State Law Relates to this Warranty:** This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.