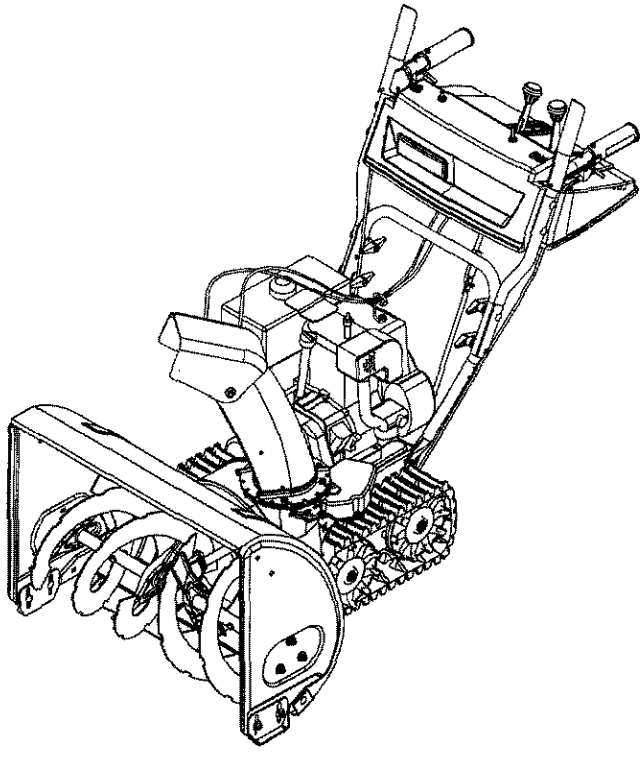
YARD-MAN by MTD

Operator's Manual



Snow Thrower

Models

31AH763G401

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

PRINTED IN U.S.A.
ECO No. 1481

FORM NO. 770-10021B
(6/2000)

TABLE OF CONTENTS

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 looking at the lower frame cover in the rear of your snow thrower. 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 For A Growing World.

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 the 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 .

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.

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.
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.

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.

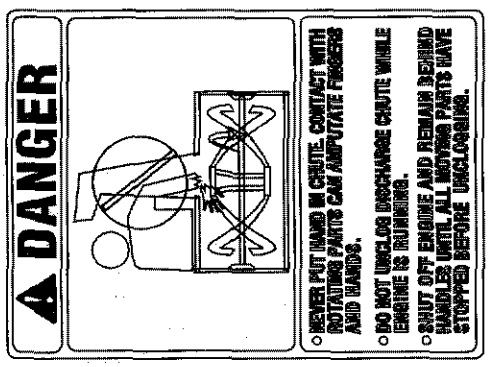
5. Never run an engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless and deadly gas.
6. Do not operate machine while under the influence of alcohol or drugs.
7. Muffler and engine become hot and can cause a burn. Do not touch.
8. Exercise extreme caution 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.

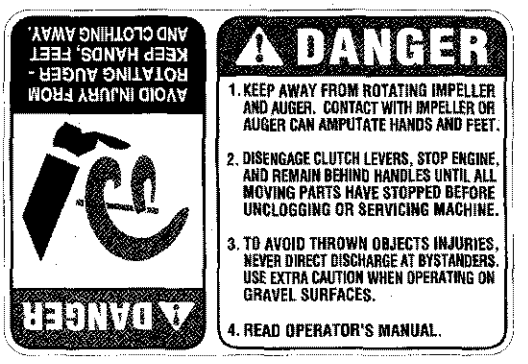
Maintenance And Storage

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: ASSEMBLING YOUR SNOW THROWER

Unpacking

- Remove screws from the top sides and ends of the shipping crate.
- Set panel aside to avoid tire punctures or personal injury.
- Remove and discard plastic bag that covers unit.
- Roll unit out of crate.
- Check crate thoroughly for loose parts before discarding.

Loose Parts

- The snow thrower is shipped with following loose parts in the carton. See Figure 1 for illustration, description of item and part number. Please remove all loose parts from the carton before discarding it.

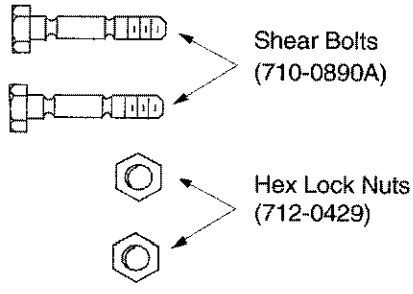


Figure 1

- Please note that these shear bolts and hex lock nuts are not meant for initial assembly of the equipment. If the snow thrower hits a foreign object or ice jam, the bolts, securing the auger shaft, may shear. Use these two shear bolts and nuts as replacement then. Store these in a safe place until needed.

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

Assembling Handle

NOTE: *Reference to the left or right side of the snow thrower in this manual is observed from the operator's position.*

IMPORTANT: Make any final adjustments, as instructed later on in this section, before operating your snow thrower. Failure to follow these instructions may cause damage to the snow thrower.

- Remove the **lower** plastic wing nut, cupped washer and carriage bolt from each side of the lower handle. See Figure 2.

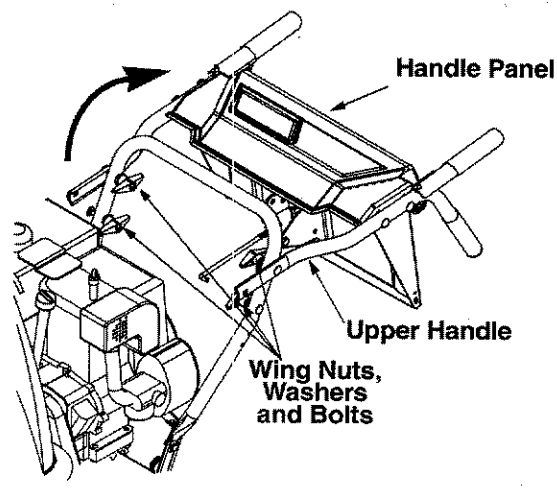


Figure 2

- Raise the upper handle assembly in the direction shown in Figure 2. Make sure that the upper handle locks into position over the lower handle.

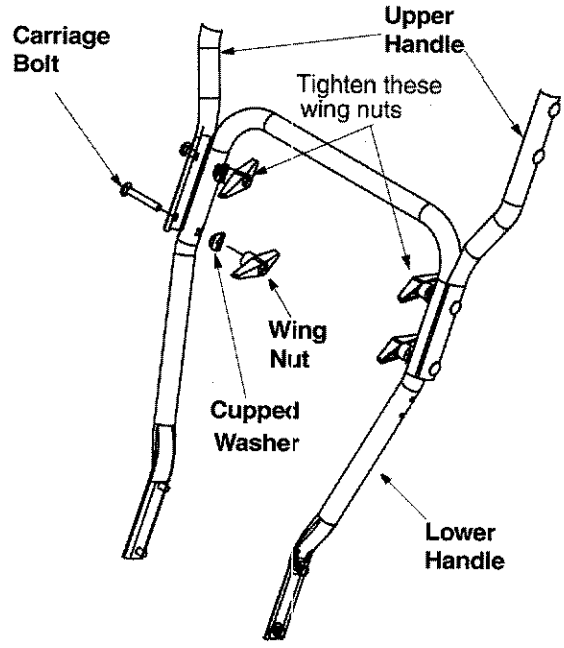
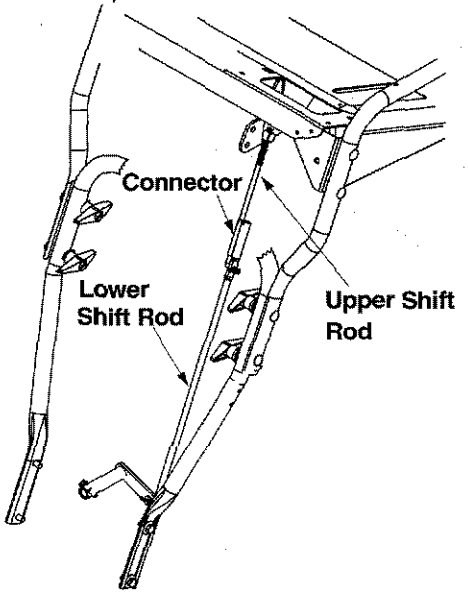


Figure 3

- Look at lower rear of snow thrower frame to be sure all cables are aligned with cable roller guides.
- Secure the upper handle and lower handle with the two plastic wing nuts, cupped washers and carriage bolts previously removed. Attach these hardware on the lower hole in the handles. See Figure 3.
- Tighten the two wing nuts already in place on the upper holes and secure the handles firmly. See Figure 3.

- Slide the shift rod connector down over the end of the lower shift rod. See Figure 4. Tap the connector until it **locks** on the lower shift rod.

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



Note: Cut-out view of lower handle shown for clarity.

Figure 4

- If not already attached, slip the cables that run from the handle panel to the chute into the cable guide located on top of the engine. See Figure 5.

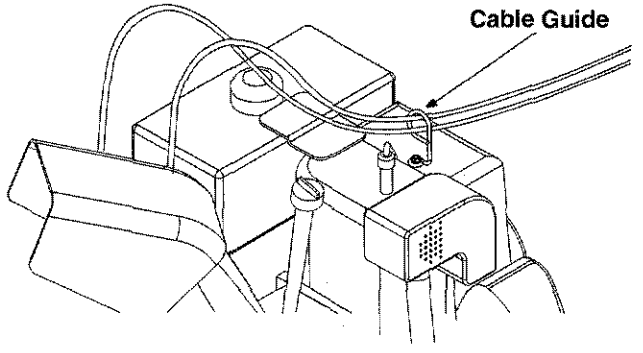


Figure 5

If for shipping purposes, the headlight wire was left unattached to the alternator lead, follow the steps below to attach it now:

- Unwrap the headlight wire which is attached to the headlight beneath the handle panel. Wind the headlight wire around the right side of the lower handle until excess slack is removed. See Figure 6.
- Plug the wire from the headlight into the alternator lead coming from the right side of the engine, underneath the fuel tank. See Figure 6 inset.

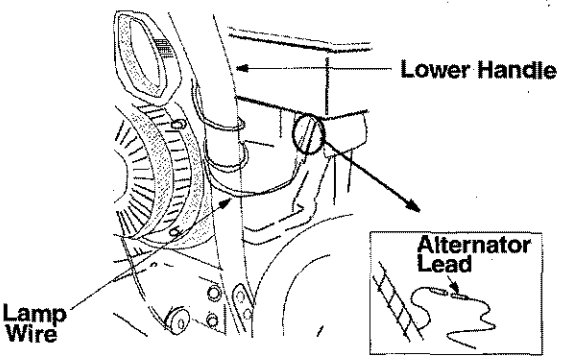


Figure 6

Final Adjustments

Traction Control and Shift Lever

To check the adjustment of the traction control and shift lever, proceed as follows:

- Move the shift lever into sixth (6) position.
- With traction control released, gently push the snow thrower forward, then pull it back. The machine should move freely.
- Engage traction control, and try to move the machine both forward and back. You should experience resistance.
- Move the shift lever into the fast reverse (R2) position and repeat the previous two steps.

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

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

NOTE: *For more details, refer to Traction Control Adjustment on page 12.*

Auger Control

Check the adjustment of the auger control as follows:

- Push down on the auger control until the small rubber bumper contacts the upper handle. There should be slack in the auger control cable.
- Release the auger control. The cable should be straight. Make certain you can depress the auger control against the left handle completely.

If adjustment is necessary, proceed as follows:

- Loosen the jam nut and thread the cable in (for less slack) or out (for more slack) as necessary. See Figure 7.

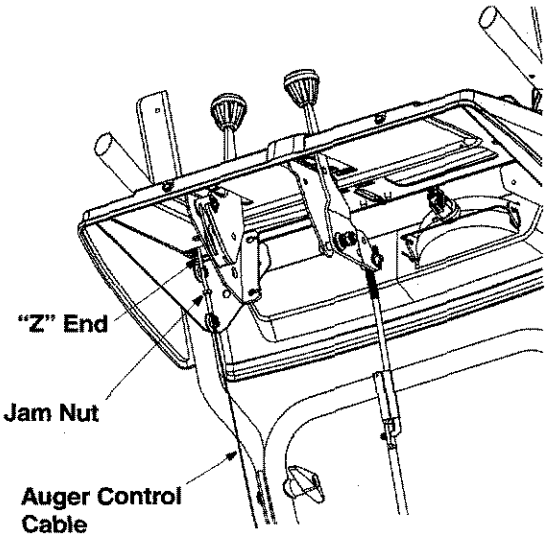


Figure 7

- Recheck adjustment; readjust as necessary and tighten the jam nut.

Skid Shoe

The space between the shave plate and the ground can be adjusted by repositioning the skid shoes. For close snow removal, place skid shoes in the low position. Use middle or high position when area to be cleared is uneven. See Figure 8. When operating on gravel, always put skid shoes in the high position.

Adjust skid shoes as follows:

- Loosen, but do not remove, the two hex nuts which fasten the skid shoe to the auger housing.
- Raise or lower the skid shoe to desired position.
- Retighten the hex nuts loosened earlier.
- Repeat on the other side of the snow thrower.

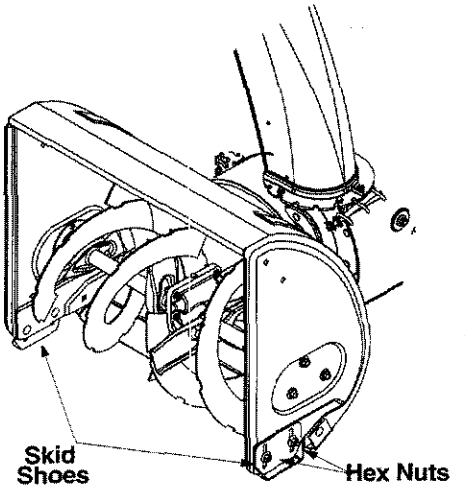


Figure 8

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

SECTION 3: KNOWING YOUR SNOW THROWER

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

- See Figure 9 to identify all the controls described below.

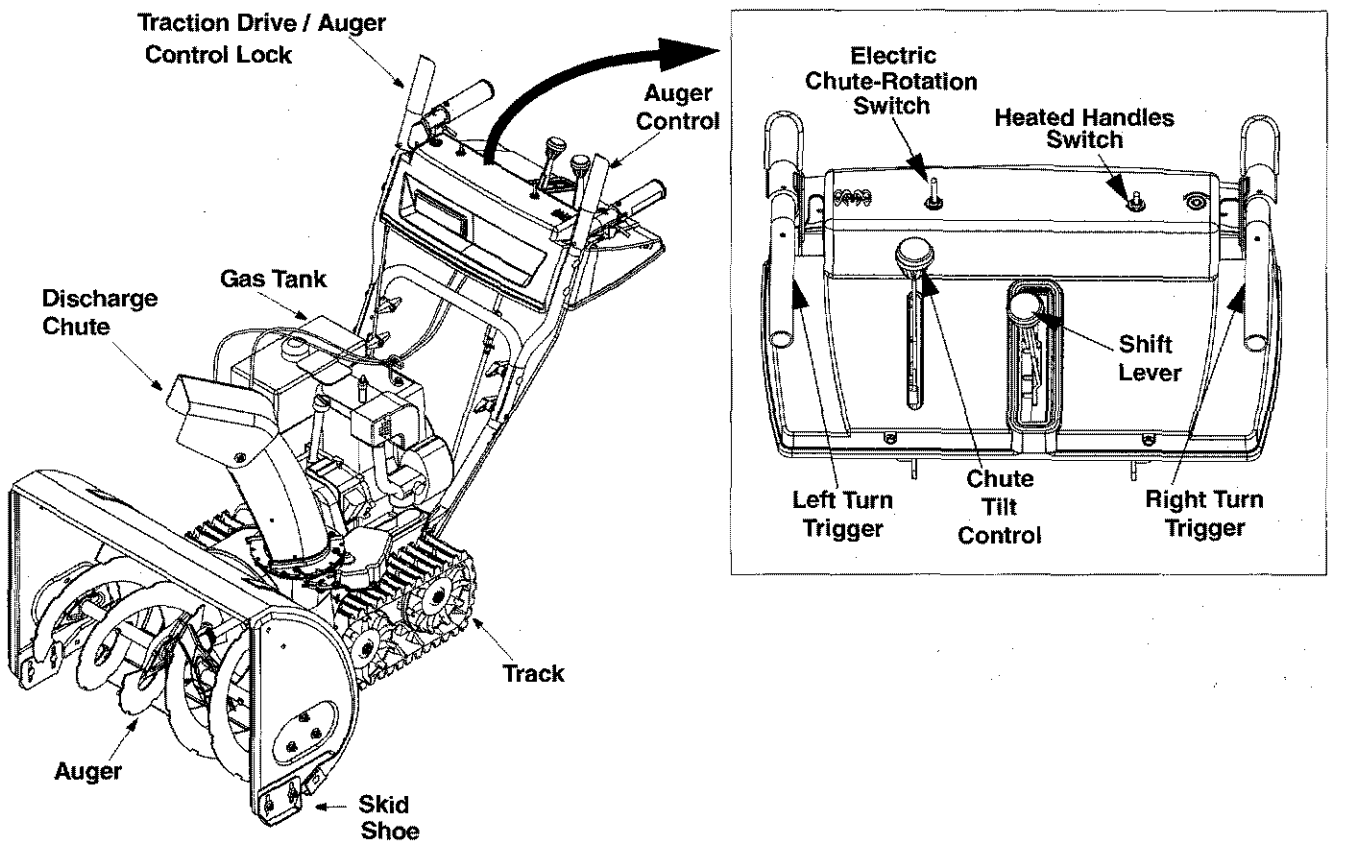


Figure 9

Traction Control

The traction control is located on the right handle. Squeeze traction control to engage the wheel drive; release to stop.

Auger Control Lock

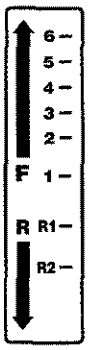
The traction control lever also locks the auger control so that you can turn the chute directional control without interrupting snow throwing. If the auger control lock is engaged along with the traction control, you can release the auger drive clutch on the left handle and still keep the augers engaged. When the auger control lock is released, you can release the traction control to stop both the augers and the wheel drive.

Auger Drive

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

Shift Lever

The shift lever is located in the center of the handle panel and is used to determine both ground speed and direction of travel. It can be moved into any of eight positions for speed and direction variations as described below. Always release traction control before changing speeds.



Forward: Your snow thrower has six forward (F) speeds. Position number one (1) is the slowest. Position number six (6) is the fastest.

Reverse: Your snow thrower has two reverse (R) speeds. R1 is the slower, while R2 is faster.

Electric Chute-Rotation Switch

The electric chute-rotation switch is located on the left side of the snow thrower handle panel.

To change the direction in which discharged snow is thrown, proceed as follows:

- Push the toggle switch to the left to rotate the chute counterclockwise.
- Push the toggle switch to the right to rotate the chute clockwise.

IMPORTANT: Release the switch once the chute has completed its rotation cycle in either direction. Failure to do so can result in damage to the electric chute motor and/or its drive gear.

Turn Trigger

The left and right turn triggers are located on the underside of the handles and are used to assist in steering the snow thrower. Squeeze the right trigger when turning right; squeeze the left trigger when turning left. Operate snow thrower in open areas until you become familiar with these controls.

"Stay Warm" Handles Switch

This switch is located on the right side of the snow thrower handle panel. To activate the heated handles, toggle the switch to the right to generate heat within the handles. Toggle the heated handles switch to the left into the OFF position after using the snow thrower.

NOTE: *The heated handles are a compliment to, not a substitute for, proper cold weather outerwear for hands. It is recommended that the user wear adequate winter protection for hands (like gloves/mittens) when operating this snow thrower.*

Chute Tilt Control

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

Discharge Chute

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

Skid Shoe

The position of the skid shoe is determined by the condition of the ground from where snow has to be removed. Refer to page 7 for details.

Fuel Shut-off Valve (If equipped)

The fuel shut-off valve, if so equipped, is located under the fuel tank. This valve controls fuel flow from the tank. Always make sure it is in the open (vertical) position before attempting to start the engine. See Figure 10.

Headlight

The headlight is on whenever the engine is running.

Throttle Control

The throttle control is located on the engine. It regulates the speed of the engine. See Figure 10.

Safety Ignition Key

The safety ignition key must be fully inserted in the switch before the unit will start. Remove key when snow thrower is not in use. Do not attempt to turn the key. See Figure 10.

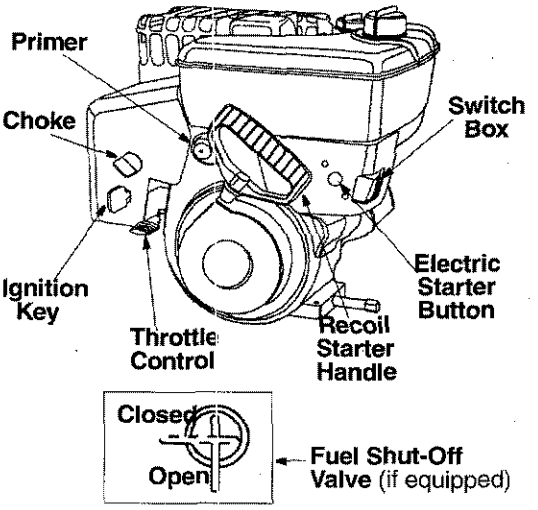


Figure 10

Track Lock Lever

The track lock lever is located on the right side of the snow thrower and is used to select the position of the housing and the method of track operation. Move the lever to the right, then forward or backward to one of the three positions as described below. See Figure 11.

Transport: Raises the front end of the snow thrower for easy transport. Using proper caution, this position may also be used on many gravel driveways to clear snow while leaving gravel undisturbed.

Normal Snow: Allows the tracks to be suspended independently for continuous ground contact.

Packed Snow: Locks the front end of the snow thrower down to the ground for hard-packed or icy snow conditions.

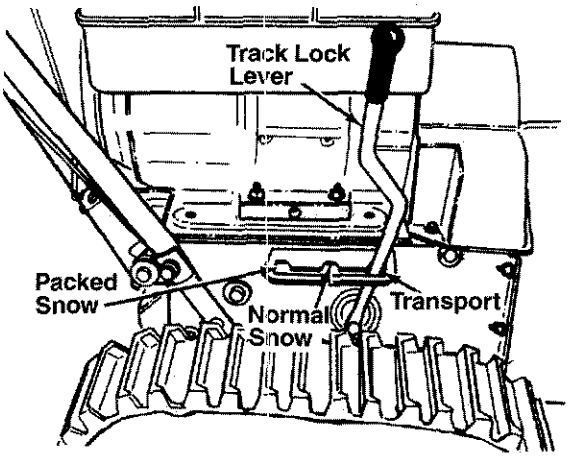


Figure 11

SECTION 4: OPERATING YOUR SNOW THROWER

Before Starting

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

- The spark plug wire was disconnected for safety. Attach spark plug wire to spark plug before starting.
- Make certain the auger and drive clutch levers are in the disengaged (released) position.
- Check oil and gasoline level and add if necessary. Follow related instructions in the seperate 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

- Make certain the fuel cut-off valve, if so equipped, is in OPEN 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

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

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

- To stop engine, push the throttle control lever to the stop 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.

To prevent possible freeze-up of starter:

- Run engine for a few minutes before stopping to help dry off any moisture on the engine.
- **Electric Starter:** Connect power cord to switch box on engine, then to 120 volt AC receptacle. With the engine running, push starter button and spin the starter for several seconds. The unusual sound made by spinning the starter will not harm engine or starter. Disconnect the power cord from receptacle first, and then from switch box.

- **Recoil Starter:** With engine running, pull starter rope with a rapid, continuous full arm stroke three or four times. Pulling the starter rope will produce a loud clattering sound, which is not harmful to the engine or starter.
- 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. Leave throttle control lever in the STOP or OFF position. Leave choke control in the FULL choke position.
- Remove ignition key and disconnect spark plug wire. Do not turn key.

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

To Engage Track Drive

- With the engine running near top speed, move shift lever into one of the six forward positions or two reverse positions. Select a speed appropriate for the snow conditions that exist.

NOTE: *Use the slower speeds until you are familiar with the operation of the snow thrower.*

- Squeeze the traction control against the right handle and the snow thrower will move. Release it and the drive motion will stop.

IMPORTANT: Never move shift lever without first releasing the traction control. Doing so will cause premature wear to drive system's friction wheel rubber.

To Engage Augers

To engage the augers and start snow throwing, squeeze the auger control against the left handle.

To disengage augers, release both the auger control and the traction control, if engaged.

NOTE: *The auger control can also be locked so that you can turn the chute directional control without interrupting snow throwing. Refer to page 8 for details.*

Operating Tips

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

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

- For the most efficient snow removal, remove snow immediately after it falls.
- Discharge snow downwind whenever possible.
- Slightly overlap each previous path.
- Set the skid shoes 1/4" below the shave plate for normal usage. The skid shoes may be adjusted upward (to lower the shave plate) for hard-packed snow. Adjust downward (to raise the shave plate) when using on gravel or crushed rock.
- Prevent possible freeze-up of the starter by following the steps described earlier.
- Clean snow thrower thoroughly after each use.

SECTION 5: MAKING ADJUSTMENTS

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

Traction Control

Refer to Final Adjustments on page 6 to adjust traction control. If you want to check further for correct adjustment, proceed as follows:

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

- Tip the snow thrower forward, allowing it to rest on the auger housing.
- Remove frame cover underneath the snow thrower by removing six self-tapping screws.
- With traction control released, make sure there is clearance between the friction wheel and the drive plate in all positions of the shift lever.
- With traction control engaged, make sure friction wheel contacts the drive plate. See Figure 12.

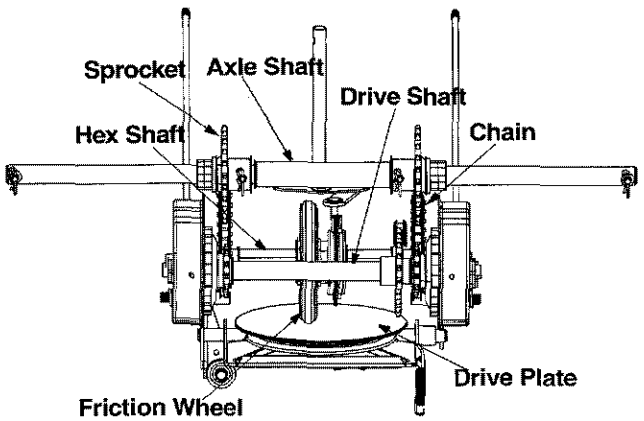


Figure 12

If either or both are lacking, adjust traction control as instructed below:

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

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

Auger Control

Refer to details on page 6 to adjust the auger control.

Chute Assembly

Refer to Chute Tilt Control on page 9.

Skid Shoe

The space between shave plate and ground can be adjusted by raising or lowering the skid shoes. Refer to Skid Shoe Adjustment on page 7.

Shift Rod

To adjust the shift rod, proceed as follows.

- Remove the hairpin clip and slide the connector up to separate the upper shift rod from the lower shift rod. See Figure 13.

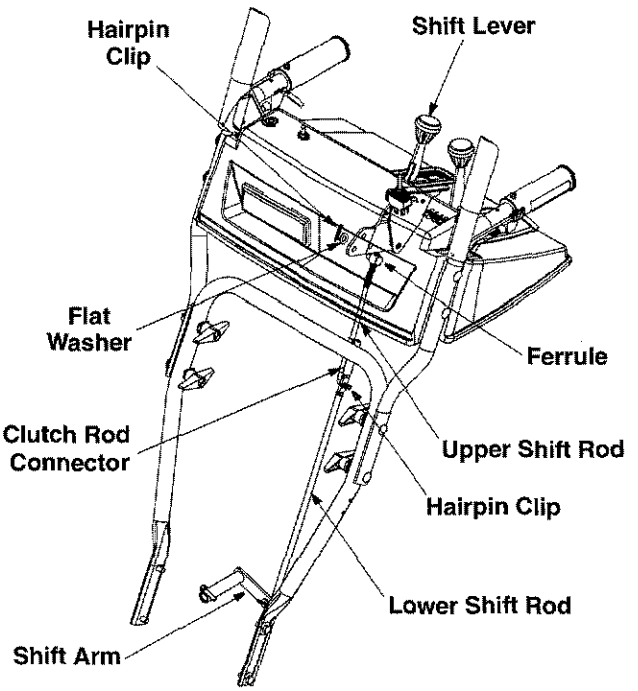


Figure 13

- Place shift lever in sixth (6) position.
- Rotate the shift arm counterclockwise (from the operator's position) as far as it will go.
- Thread the upper shift rod downward until the elbow on its lower end aligns with the hole in the lower shift rod.
- Reconnect the upper shift rod to the lower shift rod by reinserting the hairpin clip. Slide the connector back into place.

IMPORTANT: Check for correct adjustment of the shift rod as instructed on page 6, before operating the snow thrower.

SECTION 6: MAINTAINING YOUR SNOW THROWER

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.

Lubrication

Gear Shaft

Lubricate the gear shaft with 6-in-1 grease (part number 737-0170) at least once a season, or after every 25 hours of operation. Refer to Figure 12.

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

Engine

Refer to the seperate engine manual packed with your unit for all engine lubrication instructions.

Auger Shaft

- At least once a season, remove shear bolts from auger shaft. Oil or spray lubricant inside shaft. See Figure 14. Also lubricate the plastic auger bearings at least once a season.

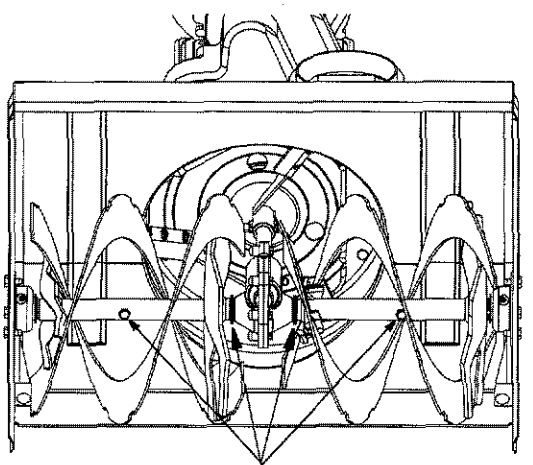


Figure 14

Drive and Shifting Mechanism

At least once a season or after every 25 hours of operation, remove rear cover. Lubricate any chains, sprockets, gears, bearings, shafts, and 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.

Electric Chute Rotation Motor

The gear on the electric chute-rotation motor and the base of the discharge chute itself should be lubed with multi-purpose automotive grease once a season. See Figure 15.

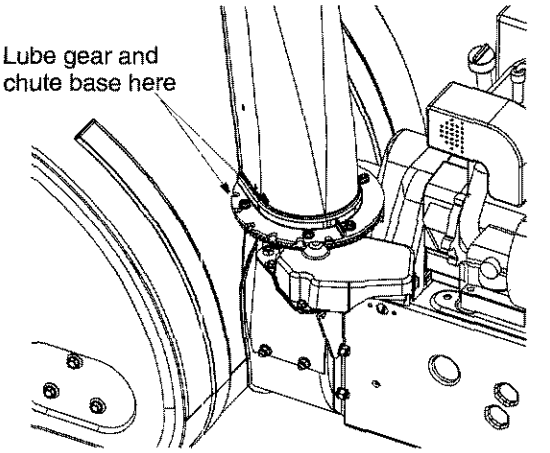


Figure 15

Gear Case

The gear case is lubricated with grease at the factory and does not require checking. If disassembled for any reason, lubricate with two ounces of Shell Alvania™ grease EPR00, part number 737-0168. Before reassembling, remove old sealant and apply Loctite™ 5699 or equivalent.

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

Traction Control / Auger Control Lock

The cams on the ends of the control rods which interlock the traction drive and auger drive clutches must be lubricated at least once a season or every twenty five hours of operation. The cams can be accessed beneath the handle panel. See Figure 16. Use a multi-purpose automotive grease.

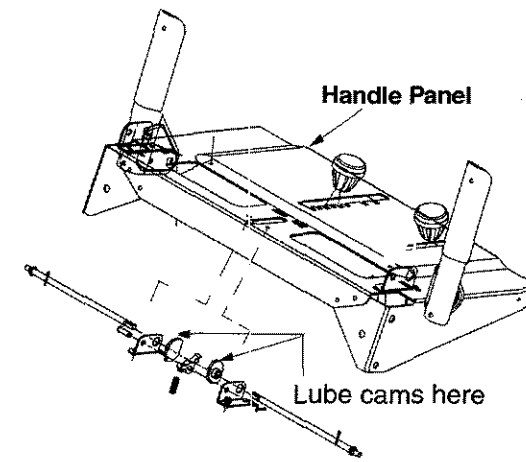


Figure 16

SECTION 7: SERVICING YOUR SNOW THROWER

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

Augers

The augers are secured to the spiral shaft with two shear bolts and hex lock nuts. See Figure 17. If you hit a foreign object or ice jam, the snow thrower is designed so that the bolts may shear.

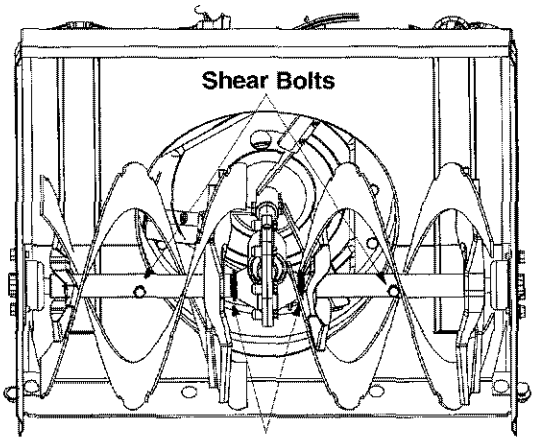


Figure 17

If the augers do not turn, check if the bolts have sheared. Two replacement shear bolts and hex lock nuts have been provided with the snow thrower. Refer to Loose Parts on page 5. For future use, order kit number OEM-710-0890.

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

Shave Plate and Skid Shoes

- The shave plate and skid shoes on the bottom of the snow thrower are subject to wear. They should be checked periodically and replaced when necessary.
- To remove skid shoes, remove the four carriage bolts, belleville washers and hex nuts which attach them to the snow thrower. Reassemble new skid shoes with the hardware earlier removed. Make certain the skid shoes are adjusted to be level.
- To remove shave plate, remove the carriage bolts, belleville washers and hex nuts which attach it to the snow thrower housing. Reassemble new shave plate, making sure heads of the carriage bolts are to the inside of the housing. Tighten securely.

Belt Removal and Replacement

Auger Belts

- Remove the plastic belt cover on front of the engine by removing the two self-tapping screws. See Figure 18.

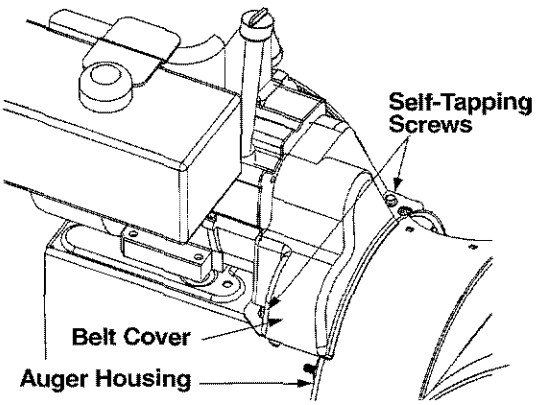


Figure 18

- Drain the gasoline from the snow thrower, or place a piece of plastic film under the gas cap.
- Tip the snow thrower up and forward so that it rests on its auger housing.
- Remove six self-tapping screws from the frame cover underneath the snow thrower.
- Roll the front and rear auger belts off the engine pulley. See Figure 19.

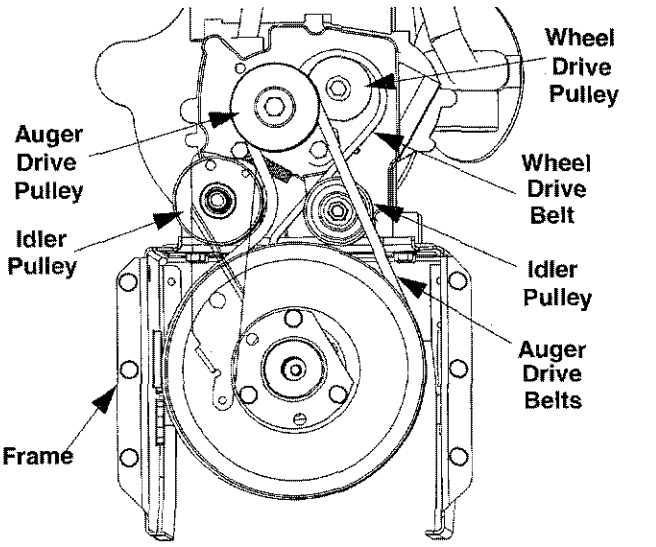


Figure 19

- Unhook the idler spring from the hex bolt on the auger housing. See Figure 20.
- Back out the stop bolt until the support bracket rests on the auger pulley. See Figure 21.

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 20. Repeat this step for the front auger belt.
- Replace both auger drive belts.

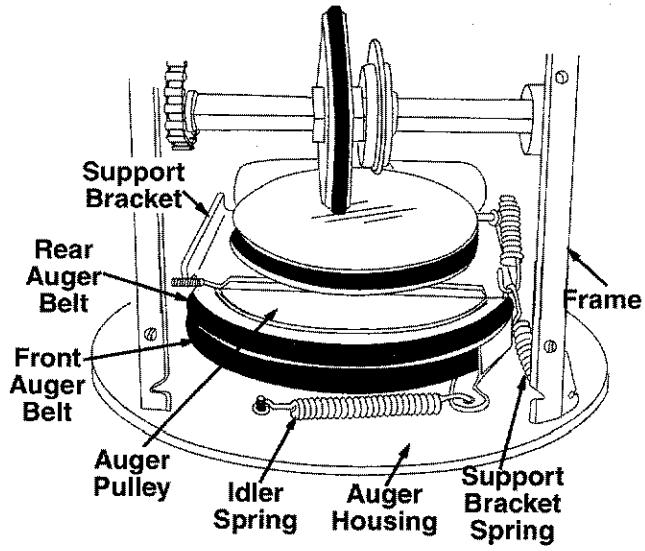


Figure 20

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

Drive Belt

- Follow the first four steps of instructions to service the auger belts.
- Pull idler pulley up, and lift belt off engine pulley and friction wheel disc. See Figure 19.
- Back out the stop bolt until the support bracket rests on the auger pulley. See Figure 21.
- Slip belt between friction wheel and friction wheel disc. See Figure 21. Remove and replace belt.
- Reassemble the parts removed earlier.

NOTE: *The support bracket must rest on the stop bolt after the new belt has been assembled. See Figure 21.*

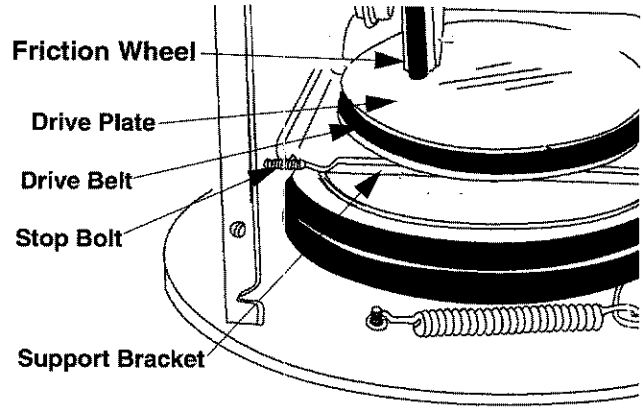


Figure 21

Changing Friction Wheel Rubber

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.

- Drain the gasoline from the snow thrower, or place a piece of plastic under the gas cap.Tip the snow thrower up and forward, so that it rests on the housing.
- Remove six self-tapping screws from the frame cover underneath the snow thrower.

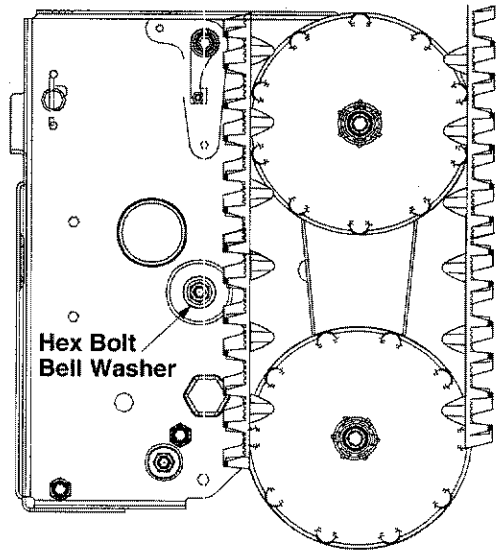


Figure 22

- Using a wrench to hold the shaft, loosen, but do not completely remove, the hex bolt and bell washer on the left end of shaft. See Figure 22.
- Lightly tap the hex nut to dislodge the ball bearing from the right side of frame before removing the hex nut and bell washer from left end of shaft.
- Move the shaft to the right and slide the friction wheel assembly from the shaft.

- Remove the six screws from the friction wheel assembly (three from each side). Remove the friction wheel rubber from between the friction wheel plates. See Figure 23.

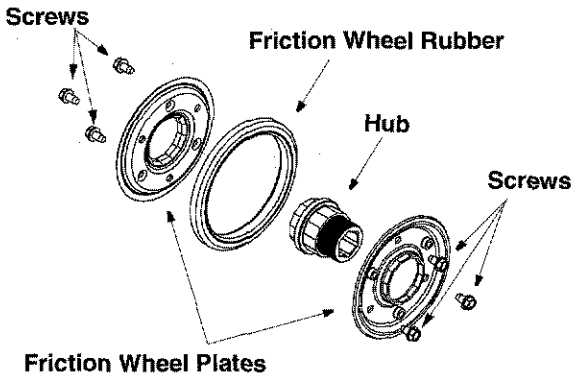


Figure 23

- Reassemble new friction wheel rubber to the friction wheel plates and hub, tightening the six screws in rotation and with equal force.
- Position the friction wheel assembly up onto the pin of the shift rod assembly, and slide the shaft through the assembly. Reassemble the bearing and the shaft and secure the frame cover.

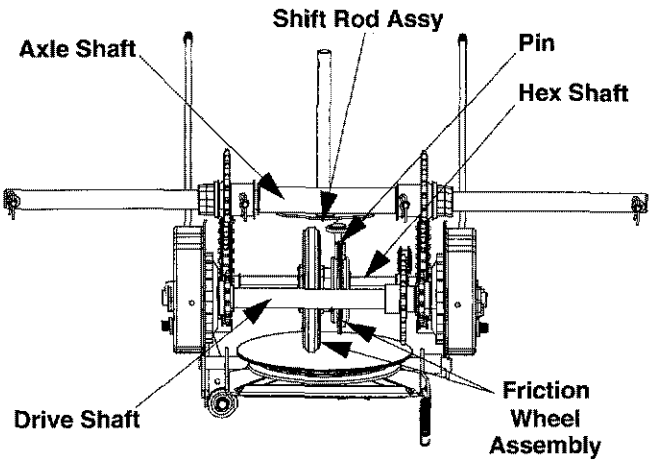


Figure 24

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

Engine

- Refer to the engine manual for all engine related service procedures.

SECTION 8: OFF-SEASON STORAGE

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

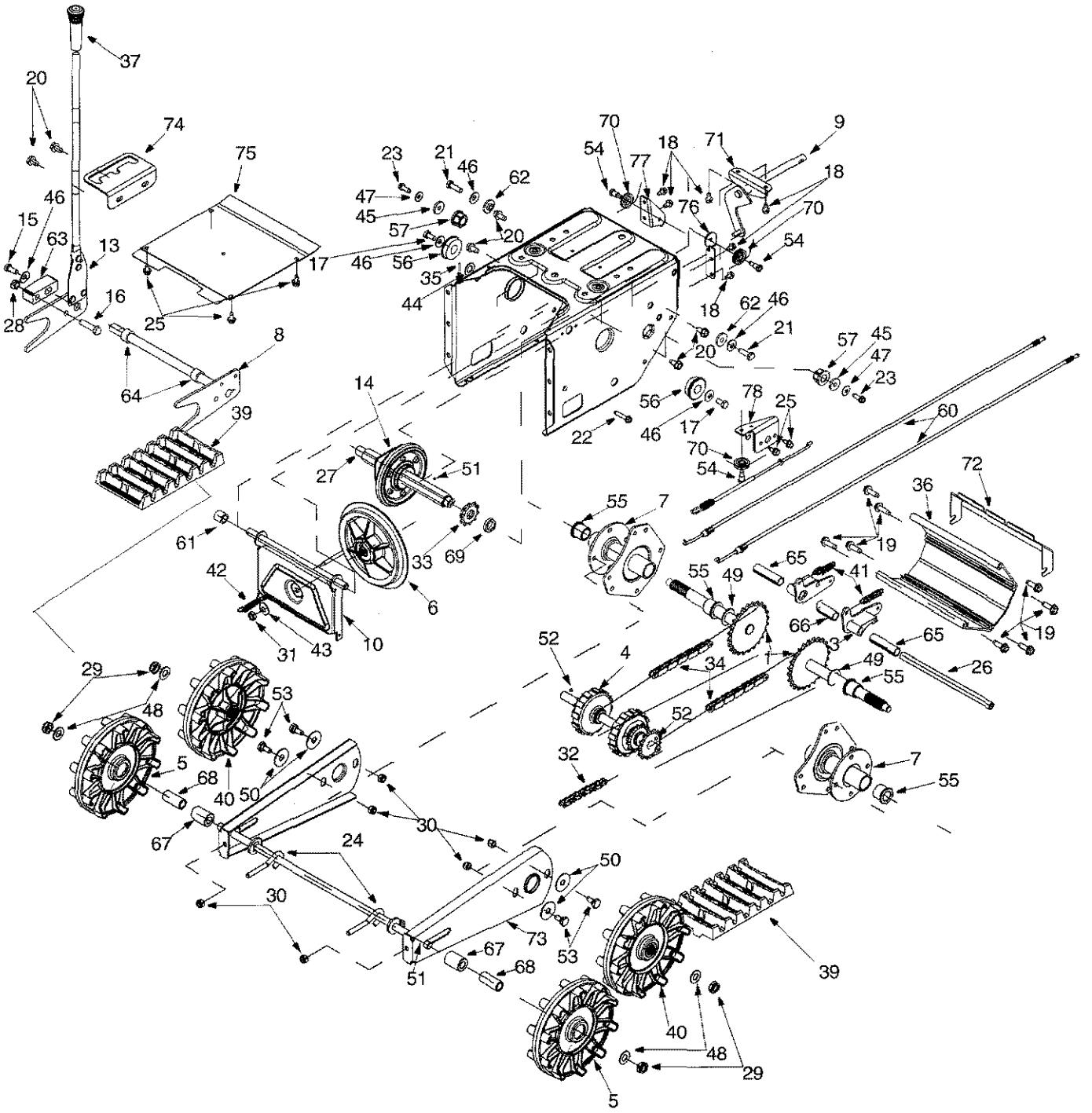
- If unit is to be stored over 30 days, prepare engine for storage as instructed in the engine manual.
- Remove all debris from the exterior of equipment.
- Follow lubrication recommendations on page 13.
- Always store the snow thrower in a clean, dry area.

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

SECTION 9: TROUBLESHOOTING

Problem	Cause	Remedy
Engine fails to start	1. Fuel tank empty, or stale fuel. 2. Blocked fuel line. 3. Choke not in ON position 4. Faulty spark plug. 5. Safety key not in ignition switch on engine. 6. Spark plug wire disconnected. 7. Primer button not being used properly. 8. Fuel shut-off valve closed.	1. Fill tank with fresh gasoline. 2. Clean the fuel line. 3. Move switch to ON position 4. Clean, adjust gap or replace. 5. Insert the key fully into the switch. 6. Connect spark plug wire. 7. Refer to the engine manual. 8. Open fuel shut-off valve.
Engine runs erratic	1. Unit running on CHOKE. 2. Blocked fuel line or stale fuel. 3. Water or dirt in fuel system. 4. Carburetor out of adjustment.	1. Move choke lever to OFF position. 2. Clean fuel line; fill tank with clean, fresh gasoline. 3. Drain fuel tank and carburetor. Refill with fresh fuel. 4. Refer to the engine manual.
Loss of power	1. Spark plug wire loose. 2. Gas cap vent hole plugged. 3. Exhaust port plugged.	1. Connect and tighten spark plug wire. 2. Remove ice and snow from gas cap. Be certain vent hole is clear. 3. Refer to the engine manual.
Engine overheats	1. Carburetor not adjusted properly.	1. Refer to the engine manual or have the carburetor adjusted by an authorized engine service dealer.
Excessive vibration	1. Loose parts or damaged auger.	1. Stop engine immediately and disconnect spark plug wire. Tighten all bolts and nuts. If vibration continues, have unit serviced by an authorized service dealer.
Unit fails to propel itself	1. Traction control cable in need of adjustment. 2. Drive belt loose or damaged.	1. Adjust traction control cable. Refer to pages 6 and 12. 2. Replace drive belt. Refer to page 14.
Unit fails to discharge snow	1. Discharge chute clogged. 2. Foreign object lodged in auger. 3. Auger control cable in need of adjustment. 4. Auger belt loose or damaged. 5. Shear bolts sheared.	1. Stop engine immediately and disconnect spark plug wire. Clean discharge chute and inside of auger housing. 2. Stop engine immediately and disconnect spark plug wire. Remove object from auger. 3. Refer to page 6 for adjustment instructions. 4. Refer to page 14. 5. Replace shear bolts. Use new shear bolts.
Electric chute fails to turn	1. Loose electrical connections. 2. Blown Fuse.	1. Make sure all connections are tight and fully installed. 2. Replace with #5A fuse. The fuse is under handle panel near switch connector.
Electric chute turns in opposite direction of the switch	1. The switch connector is installed backwards	1. Unplug the switch connector under the handle panel. Turn connector 180° and reconnect.
Heated grips are not creating heat	1. Loose electrical connections. 2. Blown fuse. 3. Faulty grip. If one heated grip fails, both grips will not function.	1. Under the handle panel, check connections from the handles to the wiring harness. 2. Replace with #5A fuse. The fuse is under handle panel near switch connector. 3. Have the grips checked at an authorized service dealer.

SECTION 10: PARTS LIST FOR MODEL H763

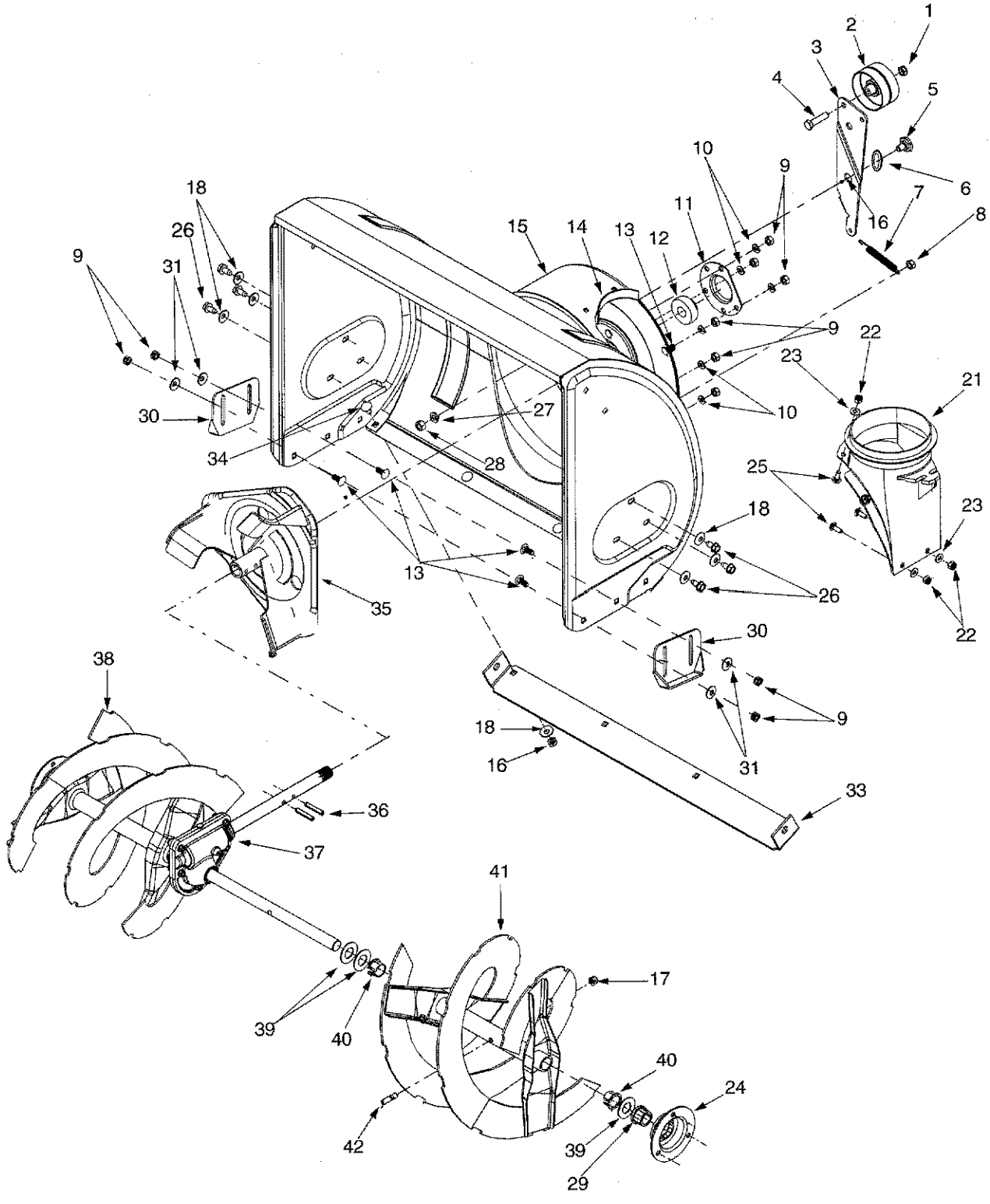


Model H763

Ref. No.	Part No.	Part Description
1.	611-0053	Axle Assembly: Track
2.	618-0043	Dogg Assembly: RH
3.	618-0044	Dogg Assembly: LH
4.	618-0169	Drive Shaft Assembly
5.	631-0032	Idler Wheel Assembly
6.	656-0012A	Friction Wheel Disc
7.	683-0024	Hub Assembly
8.	684-0009	Track Pivot Rod Assembly
9.	684-0014B	Shift Rod Assembly
10.	684-0021	Support Bracket: Friction Wheel
11.	684-0024	Axle Assembly: Idler
12.	684-0031	Frame Assembly
13.	684-0038	Handle Assembly: Track Lock
14.	684-0042C	Wheel Ass'y.: Fric. Whl. Bearing
15.	710-0157	Hex Screw: 5/16-24 x 0.75"
16.	710-0459A	Hex Screw: 3/8-24 x 1.5"
17.	710-0538	Hex Screw: 5/16-18 x .625"
18.	710-0599	TT Screw: 1/4-20 x 0.5"
19.	710-0602	TT Screw: 5/16-18 x 1.0"
20.	710-0604	TT Screw: 5/16-18 x 0.625"
21.	710-0643	Hex Bolt: 5/16-18 x 1.0"
22.	710-0809	TT Screw: 1/4-20 x 1.25"
23.	710-0875	TT Screw: 1/4-20 x 0.75"
24.	710-1231	Eye Bolt
25.	710-1652	TT Screw: 1/4-20 x 0.625"
26.	711-0911	Actuator Shaft
27.	711-1042	Hex Shaft: Drive
28.	712-0214	Hex Lock Nut
29.	712-0346	Jam Lock Nut
30.	712-0429	Hex Lock Nut
31.	712-0711	Jam Nut
32.	713-0233	Chain
33.	713-0413	Sprocket
34.	713-0437	Chain
35.	714-0474	Cotter Pin
36.	719-0295A	Track Housing
37.	720-0223	Grip
38.	721-0263	Adhesive: Loctite™
39.	731-1292	Track
40.	731-1538A	Track Wheel

Ref. No.	Part No.	Part Description
41.	732-0209	Extension Spring
42.	732-0264	Extension Spring
43.	736-0105	Spring Washer
44.	736-0160	Flat Washer
45.	736-0176	Flat Washer
46.	736-0242	Beleville Washer
47.	736-0270	Bell Washer
48.	736-0272	Flat Washer
49.	736-0287	Flat Washer
50.	736-0406	Flat Washer
51.	737-0170	Lubricant
52.	737-0318	Grease
53.	738-0140	Shoulder Screw
54.	738-0924	Carriage Screw
55.	741-0339	Flange Bearing
56.	741-0563	Ball Bearing
57.	741-1111	Hex Flange Bearing
58.	746-0897	Clutch Cable: Auger
59.	746-0898	Clutch Cable: Drive
60.	746-0948	Steering Cable
61.	748-0190	Spacer
62.	748-0234	Shoulder Spacer
63.	748-0353A	Lift Shaft Drive
64.	750-0547	Spacer
65.	750-0903	Split Spacer
66.	750-0904	Split Spacer
67.	750-0909	Spacer
68.	750-0995	Spacer
69.	750-0997	Spacer
70.	756-0625	Cable Roller
71.	784-5590	Shift Bracket: Frame
72.	784-5609	Bracket: Steering Cable
73.	784-5639	Plate: Track Side
74.	784-5642	Plate: Track Lock out
75.	784-5648	Frame Cover
76.	784-5687A	Cable Guide Bracket: Auger Clutch
77.	784-5688	Cable Guide Bracket: Drive Clutch
78.	784-5689A	Cable Guide Bracket: Auger Clutch Front Support

Model H763

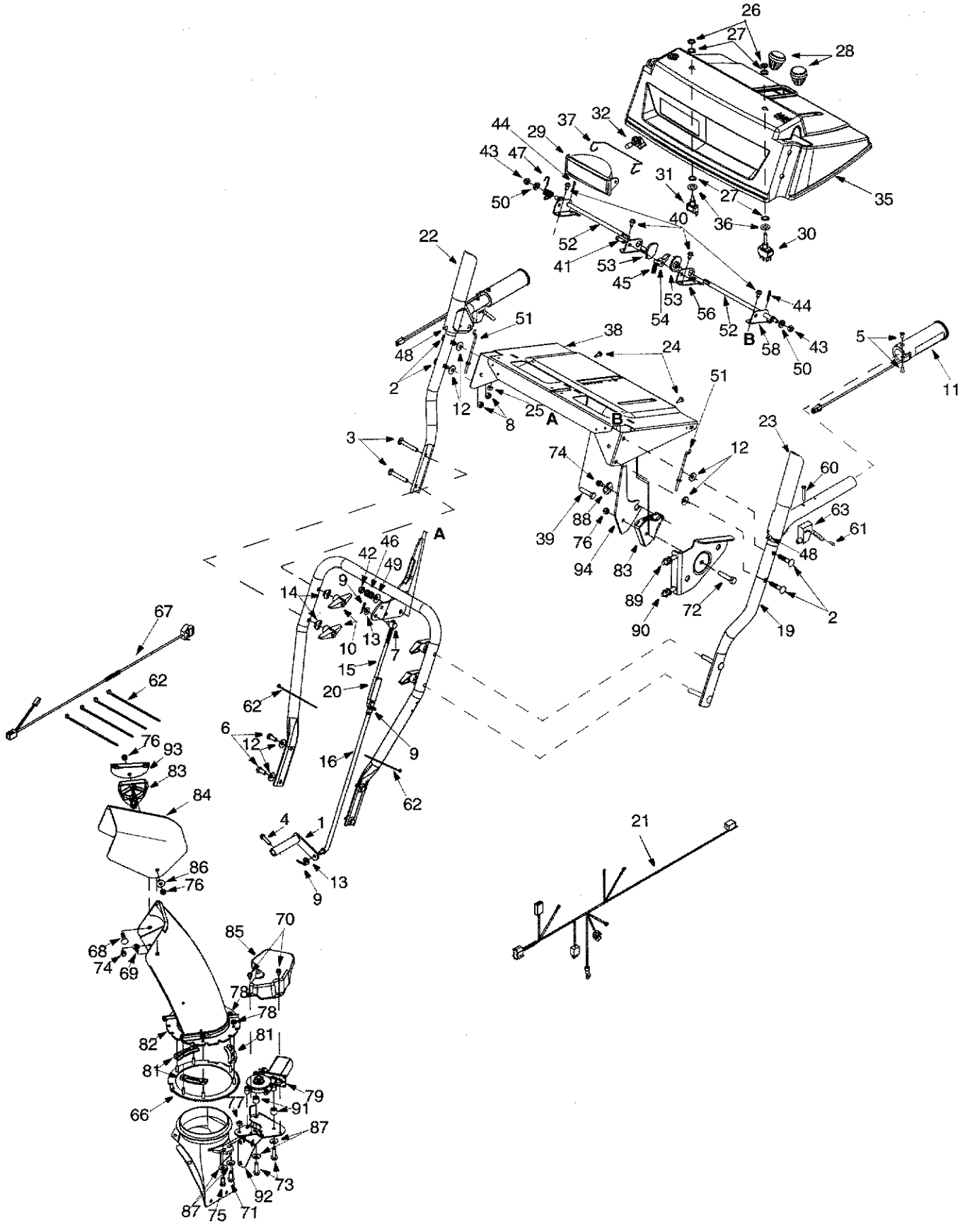

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
18
26
31
30
34
27
28
35
22
23
21
25
38
36
37
41
17
39
40
42
24
29
33

Model H763

Ref. No.	Part No.	Description
1.	712-0116	Lock Jam Nut 3/8-24
2.	756-0178	Flat Idler
3.	784-5632A	Auger Idler Arm
4.	710-0459A	Hex Cap Screw 3/8-24 x 1.50
5.	738-0281	Shoulder Screw
6.	736-0167	Flat Washer
7.	732-0611	Extension Spring
8.	712-3068	Hex Nut 5/16-18
9.	712-3010	Hex Nut 5/16-18
10.	736-0119	Lock Washer 5/16
11.	05931	Housing
12.	741-0309	Ball Bearing
13.	710-0451	Carriage Bolt 5/16-18 x .75
14.	705-5226	Chute Reinforcement
15.	684-0041C	28" Housing Assembly
16.	737-0318	Grease: "Arctic"
17.	712-0429	Lock Nut 5/16-18
18.	736-0242	Bell Washer
19.	731-1379B	Chute Adapter
20.	712-0324	Hex Lock Nut 1/4-20

Ref. No.	Part No.	Description
21.	736-0463	Flat Washer
22.	784-5618	Bearing Housing w/Fitting
23.	710-0703	Carriage Screw 1/4-20 x .75
24.	710-0604	Hex Washer Screw 5/16-18
25.	736-0169	Lock Washer 3/8
26.	712-0798	Hex Nut 3/8-16
27.	741-0245	Hex Flange Bearing
28.	784-5580	Skid Shoe
29.	736-0242	Bell Washer
33.	784-5582A	28" Shave Plate
34.	710-0260	Carriage Bolt 5/16-18 x .62
35.	684-0065	Impeller Assembly
36.	715-0114	Pin
37.	618-0122A	28" Gear Assembly
38.	605-5196A	Spiral 28" RH
39.	736-0188	Flat Washer
40.	741-0493A	Flange Bushing
41.	605-5197A	Spiral 28" LH
42.	710-0890A	Shear Bolt 5/16-18 x 1.5

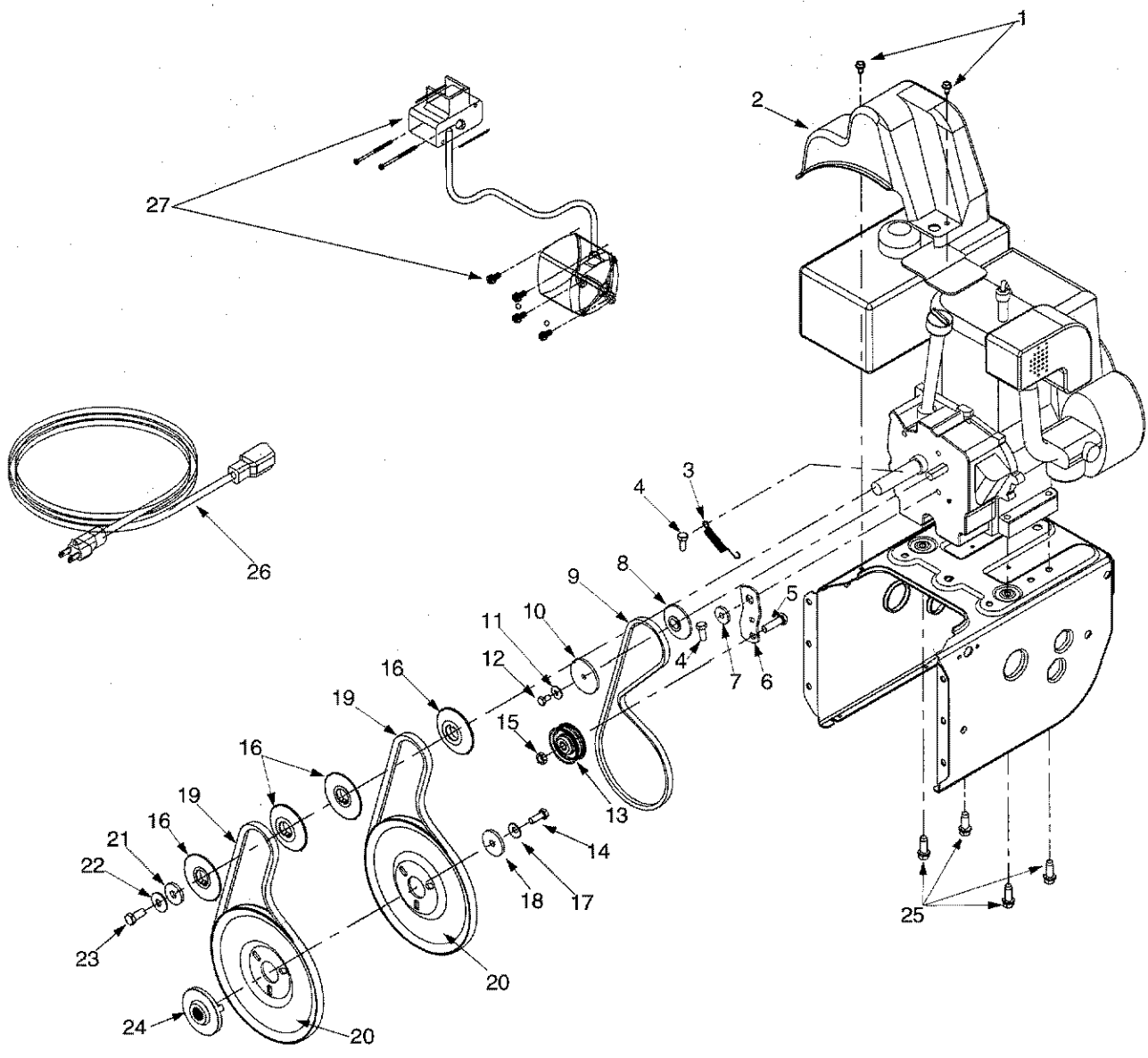
Model H763


26
27
28
44
29
37
32
43
47
31
27
35
50
40
36
30
52
41
53
45
54
53
56
52
44
B
58
43
50
22
51
38
24
48
2
12
25
A
B
8
3
5
11
51
23
74
12
60
63
61
39
88
76
94
83
48
89
72
2
90
19
A
46
42
49
9
14
10
13
7
15
20
62
6
12
16
9
62
4
1
13
9
67
62
76
93
83
84
86
76
70
85
68
74
69
78
78
82
81
81
66
77
79
91
87
73
92
87
75
71
21

Model H763

Ref. No.	Part No.	Part Description
1.	684-0008A	Shift Arm Assembly
2.	710-0262	Carriage Bolt: 5/16-18 x 1.5"
3.	710-0449	Carriag Screw 5/16-18 x 2.25
4.	710-0788	TT Screw 1/4-20 x 1.0"
5.	710-0837	Oval C-Sunk AB Screw
6.	710-3008	Hex Screw 5/16-18 x 0.75"
7.	711-0677	Ferrule
8.	712-3010	Hex Nut
9.	714-0104	Hairpin Clip
10.	720-0284	Wing Nut
11.	725-1757	Heated Grip
12.	736-0119	Lock Washer
13.	736-0275	Flat Washer
14.	736-0451	Saddle Washer
15.	747-0620A	Upper Shift Rod
16.	747-0621	Lower Shift Rod
17.	749-0951	Lower Handle
18.	749-0952A	Upper Handle RH: L Style
19.	749-0953A	Upper Handle LH: L Style
20.	750-0963	Shift Rod Connector
21.	629-0936A	Harness Assembly: Chute Crank
22.	684-0036	Handle Engagement RH
23.	684-0037A	Handle Engagement LH
24.	710-1003	Special Screw
25.	712-0271	Sems Nut
26.	712-0693	Hex Nut
27.	716-0398	Lock Ring: Toggle Switch
28.	720-0232	Shift Knob
29.	725-1672	Lamp Housing
30.	725-1755	Toggle Switch: 2 Pos., Dbl. Throw
31.	725-1756	Toggle Switch: 2 Pos., Sngl. Throw
32.	725-1759	Halogen Lamp
34.	729-0164	Diode
35.	731-2275	Handle Panel
36.	736-0226	Flat Washer
37.	747-1136	Headlight Retainer
38.	684-0102	Handle Panel Assembly w/Tilt
39.	710-0459A	Hex Screw: Special
40.	710-0599	TT Screw: 1/4-20 x 0.5"
41.	711-0653	Clevis Pin
42.	712-0116	Jam Lock Nut
43.	712-0429	Hex Lock Nut
44.	714-0104	Hairpin Clip
45.	732-0145	Compression Spring
46.	732-0193	Compression Spring
47.	732-0746	Torsion Spring
48.	735-0199A	Rubber Bumper
49.	736-0105	Spring Washer
50.	736-0509	Special Washer
51.	746-0778	Z Fitting
52.	747-0877	Cam Rod
53.	748-0362	Cam Handle Lock
54.	748-0363	Pawl: Handle Lock
55.	784-5619A	Shift Handle
56.	784-5679	Handle Support Bracket 5/8: LH
57.	784-5680	Handle Support Bracket: RH
58.	784-5681	Handle Support Bracket 3/8: LH
59.	784-5682	Handle Support Bracket 3/8: LH
60.	710-1233	Oval C-Sunk Machine Screw
61.	712-0127	Flange Weld Nut
62.	725-0157	Cable Tie
63.	746-0950	Control Trigger
65.	732-0705	Cable Control Wire
66.	618-0419	Gear Assembly: Ring: Chut Rotatn.
67.	629-0937	Harness Assembly: Lower
68.	710-0262	Carriage Bolt: 5/16-18 x 1.5"
69.	710-0451	Carriage Bolt: 5/16-18 x .750"
70.	710-0599	TT Screw 1/4-20 x 0.5"
71.	710-0602	TT Screw 5/16-18 x 1.0"
72.	710-0805	Hex Screw 5/16-18 x 1.5"
73.	710-0817	TT Screw 5/16-18 x 1.0"
74.	710-0896	AB Screw
75.	710-3008	Hex Bolt 5/16-18 x 0.75"
76.	712-0429	Lock Nut
77.	712-3010	Hex Nut 5/16-18
78.	712-3027	Flange Lock Nut
79.	724-0249	Electric Motor: Chute Crank
81.	731-0851A	Flange Keeper
82.	731-1300A	Lower Chute
83.	731-1313C	Cable Guide: Chute Tilt
84.	731-1320	Upper Chute
85.	731-2279	Motor Cover
86.	736-0159	5/16 Washer
87.	736-0242	Beleville Washer
88.	736-0506	Special Washer
89.	746-0896	Chute Cable
90.	746-0901	Cable: Chute Deflector w/Clip
91.	750-1232	Spacer
92.	782-0599	Motor Bracket: Chute Rod
93.	784-5594	Cable Bracket
94.	784-5604	Chute Tilt Handle

Model H763

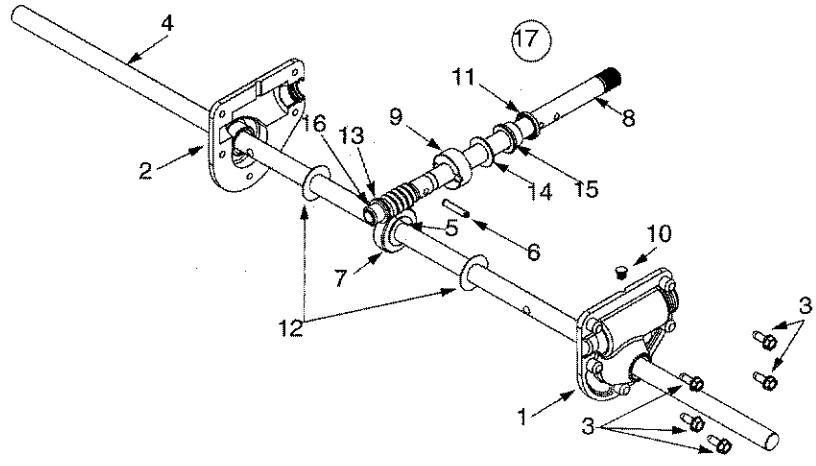


IMPORTANT: For a proper working machine, use Factory Approved Parts.
V-BELTS are specially designed to engage and disengage safely. A substitute (non OEM) V-Belt can be dangerous by not disengaging completely

Model H763

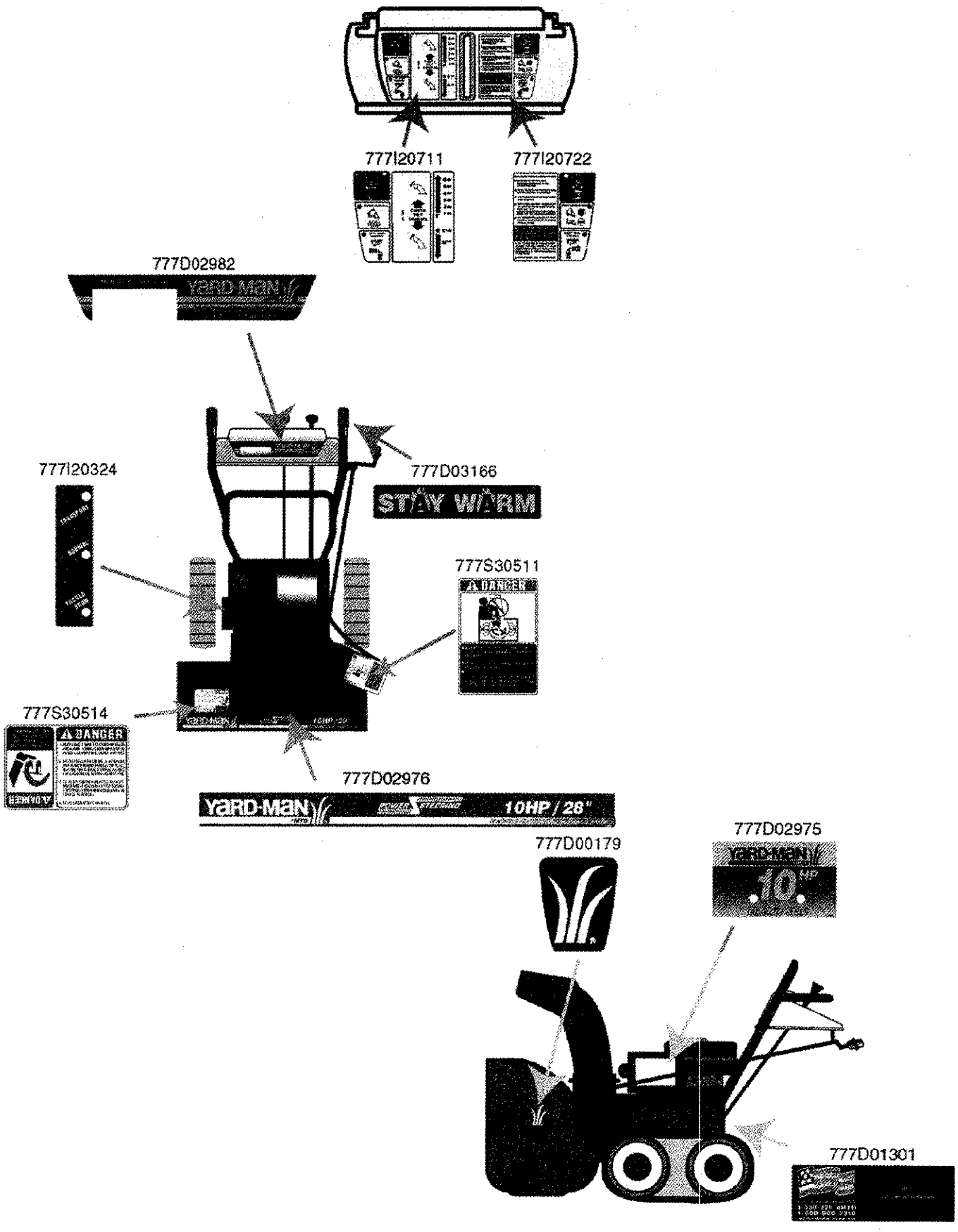
Ref. No.	Part No.	Description
1	710-1652	Hex Washer Screw 1/4-20 x .625
2	731-1324	Belt Cover
3	732-0710	Extension Spring
4	710-0627	Hex Screw 5/16-24 x .75
5	710-3005	Hex Cap Screw 3/8-16 x 1.25
6	05896A	Drive Clutch Idler Bracket
7	748-0234	Shoulder Spacer
8	756-0987	Pulley Half
9	754-0346	V-Belt
10	756-0986	Pulley Half
11	736-0270	Bell Washer
12	710-0230	Hex Cap Screw 1/4-28 x .50
13	756-0313	Flat Idler
14	710-1245	Lock Hex Cap Screw 5/16-24
15	712-0181	Lock Jam Nut 3/8-16
16	756-0569	Pulley Half
17	736-0242	Bell Washer
18	736-0505	Flat Washer
19	754-0430A	Belt
20	756-0967	Auger Pulley
21	736-0247	Flat Washer 3/8 x 1.25 OD
22	736-0331	Bell Washer
23	710-0696	Hex Cap Screw 3/8-24
24	748-0360	Adapter Pulley
25	710-0654A	Hex Screw 3/8-16 x 1.0
26	629-0071	Extension Cord
27	OEM-390-987	Electric Start

Model H763



Ref. No.	Part No.	Description
1.	618-0123	RH Reducer Housing
2.	618-0124	LH Reducer Housing
3.	710-0642	Hex Screw 1/4-20 x .75
4.	711-0910	Spiral Axle: 28"
5.	714-0161	Key
6.	715-0143	Pin-Spiral
7.	717-0528	Worm Gear, 20T
8.	717-0526	Worm Shaft
9.	718-0186	Thrust Collar
10.	721-0325	Grease Plug
11.	721-0327	Grease Seal
12.	736-0351	Flat Washer .76 x 1.5 x .030
13.	736-0369	Flat Washer .508 x 1.0 x .020
14.	736-0445	Flat Washer .76 x 1.5 x .060
15.	741-0662	Flange Bearing .75 x 1.0 x .59
16.	741-0663	Flange Bearing .75 x 1.0 x .925
17.	618-0122A	Complete Assembly: 28"

Model H763


777I20711
777I20722
777D02982
777I20324
777D03166
STAY WARM
777S30511
DANGER
777S30514
DANGER
777D02976
YARD-MAN
10HP / 28"
777D00179
777D02975
YARD-MAN
10 HP
777D01301

MANUFACTURER'S LIMITED WARRANTY FOR:

YARD-MAN™ by MTD®

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. No product returned directly to the factory will be accepted unless prior written permission has been extended by the Customer Service Department of MTD PRODUCTS INC.

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