

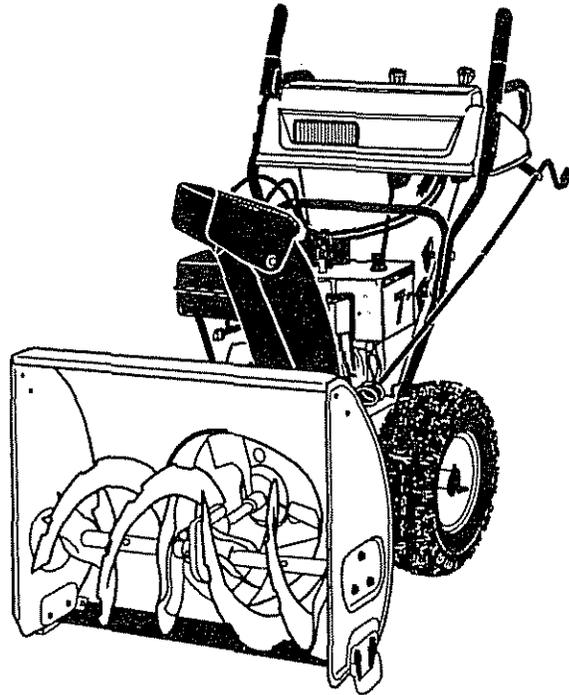
# SNOW BLOWER

MODEL LSB 2600

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## Operators Manual

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PART'S LIST



### IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY

**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 at LESCO, Inc. P.O. Box 16915, Rocky River, OH 44116-0915

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**LESCO®**

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## SECTION 1: IMPORTANT SAFE OPERATION PRACTICES



**WARNING:** THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR SNOW THROWER. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY WHEN YOU SEE THIS SYMBOL- HEED ITS WARNING.



**WARNING:** The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



**DANGER:** Your snow thrower 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. If you violate any of these rules, you may cause serious injury to yourself or others.

### 1. TRAINING

- Read this operators manual carefully in its entirety before attempting to assemble or operate this machine. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Never allow children under 14 years old to operate a snow thrower. Children 14 years old and over should only operate snow thrower under close parental supervision. Only persons well acquainted with these rules of safe operation should be allowed to use your snow thrower.
- No one should operate this unit while intoxicated or while taking medication that impairs the senses or reactions.
- Keep the area of operation clear of all persons, especially small children and pets.
- Exercise caution to avoid slipping or falling, especially when operating in reverse.
- Before working with gasoline, extinguish all cigarettes and other sources of ignition. Check the fuel before starting the engine. Gasoline is an extremely flammable fuel. Do not fill the gasoline tank indoors, while the engine is running, or until engine has been allowed to cool at least two minutes. Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
- Use a grounded three wire plug-in for all units with electric drive motors or electric starting motors.
- Adjust collector housing height to clear gravel or crushed rock surface.
- Never attempt to make any adjustments while engine is running (except where specifically recommended by manufacturer).
- Let engine and machine adjust to outdoor temperature before starting to clear snow.
- Always wear safety glasses or eye shields during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.

### 2. PREPARATION

- Thoroughly inspect the area where the equipment is to be used and remove all door mats, seds, boards, wires and other foreign objects.
- Disengage all clutches and shift into neutral before starting engine.
- Do not operate equipment without wearing adequate winter outer garments. Do not wear jewelry, long scarfs or other loose clothing which could become entangled in moving parts. Wear footwear which will improve footing on slippery surfaces.

### 3. OPERATION

- Do not put hands or feet near or under rotating parts. Keep clear of discharge opening and auger at all times.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.
- After striking a foreign object, stop the engine, remove wire from spark plug, and thoroughly inspect the snow thrower for any damage. Repair the damage before restarting and operating the snow thrower.

- If the snow thrower should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
- Stop engine whenever you leave the operating position, before unclogging the collector/impeller housing or discharge guide, and making any repairs, adjustments, or inspections. Never place your hand in the discharge or collector openings. Use a stick or wooden broom handle to unclog the discharge opening.
- Take all possible precautions when leaving the unit unattended. Disengage the collector/impeller, shift into neutral, stop the engine, and remove the key.
- When cleaning, repairing, or inspecting, make certain collector/impeller and all moving parts have stopped. Disconnect spark plug wire and keep away from plug to prevent accidental starting.
- Do not run engine indoors, except when starting engine and transporting snow thrower in or out of building. Open doors. Exhaust fumes are dangerous.
- Do not clear snow across the face of slopes. Exercise extreme caution when changing direction on slopes. Do not attempt to clear steep slopes.
- Never operate snow thrower without guards, plates, or other safety protection devices in place.
- Never operate snow thrower near glass enclosure, automobiles, window wells, drop off, etc., without proper adjustments of snow thrower discharge angle. Keep children and pets away.
- Do not overload machine capacity by attempting to clear snow at too fast a rate.

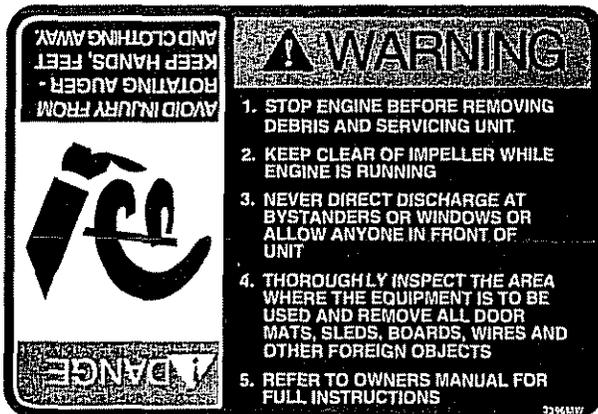
- Never operate the machine at high transport speeds on slippery surfaces. Look behind and use care when backing.
- Never direct discharge at bystanders or allow anyone in front of unit.
- Disengage power to collector/impeller when transporting or not in use.
- Use only attachments and accessories approved by the manufacturer of snow thrower (such as wheel weights, counter weights, cabs, etc.).
- Never operate the snow thrower without good visibility or light. Always be sure of your footing and keep a firm hold on the handles. Walk, never run.
- Muffler and engine become hot and can cause a burn. Do not touch.

#### 4. MAINTENANCE AND STORAGE

- Check shear bolts, engine mounting bolts, etc., at frequent intervals for proper tightness to be sure equipment is in safe working condition.
- Never store the machine with fuel in the fuel tank inside a building where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like. Allow engine to cool before storing in any enclosure.
- Always refer to operators manual instructions for important details if snow thrower is to be stored for an extended period.
- Run machine a few minutes after throwing snow to prevent freeze up of collector/impeller.
- Check clutch controls periodically to verify they engage and disengage properly and readjust if necessary. Refer to operators manual for adjustment instructions.



**WARNING - 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.



Safety Labels found on your unit.

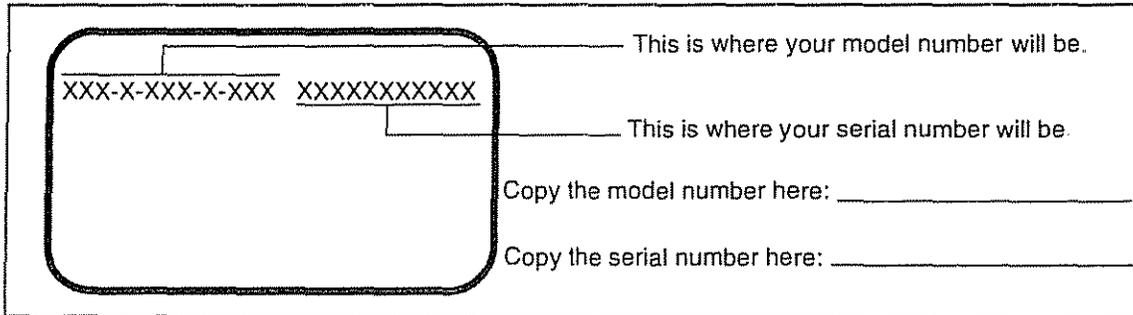
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## SECTION 2: FINDING YOUR MODEL NUMBER

This Operators Manual is an important part of your new snow thrower. It will help you assemble, prepare and maintain your snow thrower. Please read and understand what it says.

Before you prepare your snow thrower for its first use, please locate the model plate and copy the information from it in this Operator's Manual. The information on the model plate is very important if you need help from the Lesco Technical Services Department.

- Every snow thrower has a model plate. You can locate it by standing behind the unit in the operating position and looking down at the rear frame.
- The model plate will look like this.



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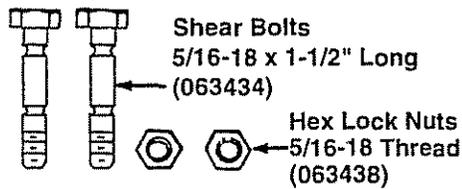
## SECTION 3: CALLING TECHNICAL SERVICES

If you are having difficulty assembling this product or if you have any question regarding the controls, operation or maintenance of this snow thrower, please call the Technical Services Department. You can reach them by calling:

**1-800-321-5325**

Before you call, make sure that you have your model and serial numbers ready. By having the model and serial numbers ready, you help the Technical Services Representative give you faster service. To find your units model and serial number, see SECTION 2: FINDING YOUR MODEL NUMBER.

## SECTION 4: SET-UP INSTRUCTIONS



### AUGER SHEAR BOLTS

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

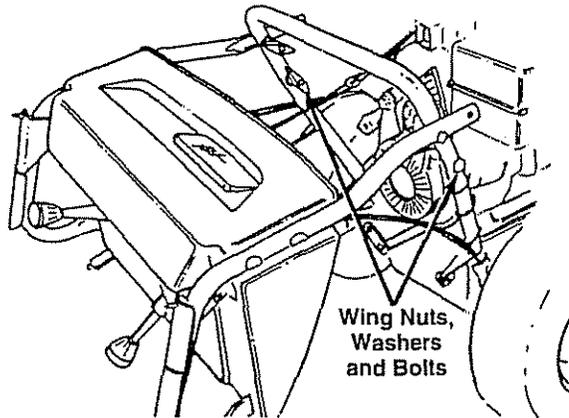


Figure 1

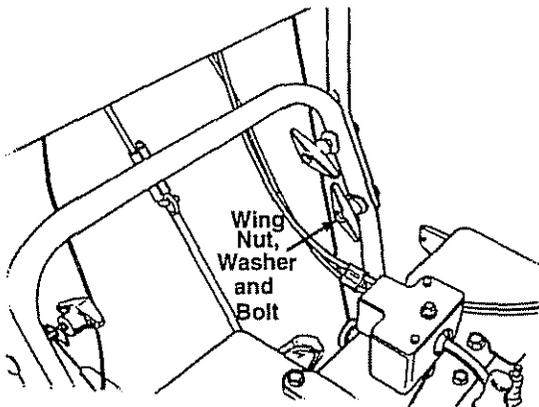


Figure 2

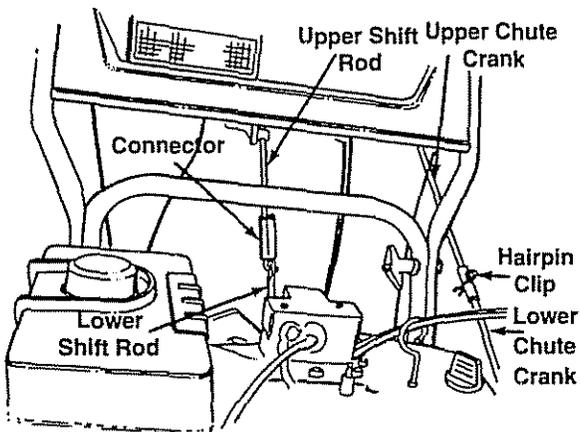


Figure 3

**NOTE:** Reference to right or left side of the snow thrower is from behind the unit in the operating position.

**IMPORTANT:** Check the adjustments as instructed and make any final adjustments necessary before operating your snow thrower. Failure to follow the instructions may cause damage to the snow thrower.

1. Remove screws from the top sides and ends of the shipping crate.
2. Set panel aside to avoid tire punctures or personal injury.
3. Remove and discard plastic bag that covers unit.
4. Roll unit out of crate.
5. Remove the **lower** two plastic wing nuts, cupped washers and carriage bolts from each side of the lower handle. See Figure 1.
6. The chute crank may be attached to the lower handle with cable ties for shipping purposes, if so cut the cable ties and remove the chute crank at this time.
7. Raise the upper handle assembly until it locks over the lower handle. See Figure 1 and Figure 2.
8. Look at lower rear of snow thrower frame to be sure all cables are aligned with cable roller guides.
9. Secure the upper handle and lower handle with the two plastic wing nuts, cupped washers and carriage bolts previously removed. See Figure 2.
10. Slide the shift rod connector down over the end of the lower shift rod. See Figure 3. 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 shift gears or change directions.

11. Remove the hairpin clip from the end of the upper chute crank. Slide the upper chute crank into the lower chute crank. Align the holes, and secure with hairpin clip. See Figure 3.

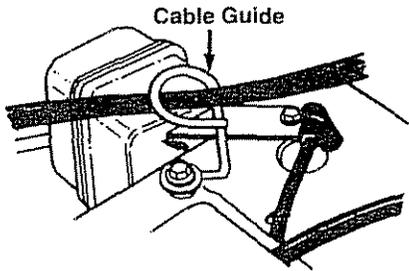


Figure 4

12. 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 4.
13. Unwrap the headlight wire which is attached to the headlight, beneath the handle panel. Wind the headlight wire around the right handle until excess slack is removed.
14. Plug the wire from the headlight into the wire lead coming from the right side of the engine, underneath the fuel tank.

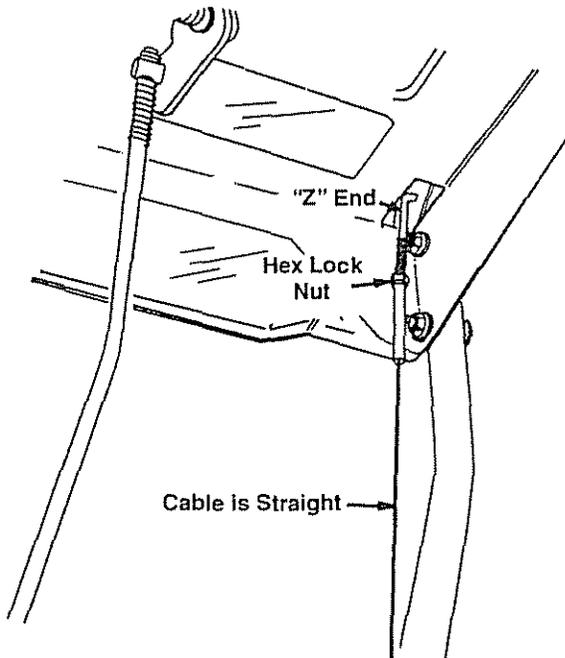


Figure 5

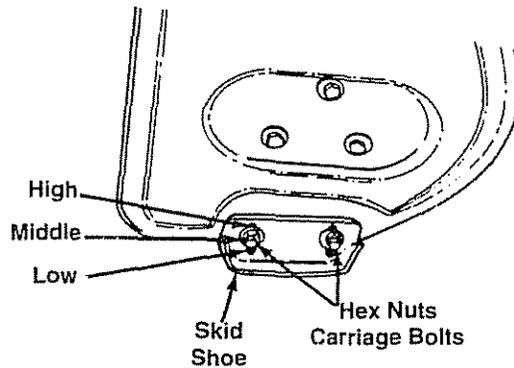


Figure 6

## FINAL ADJUSTMENTS

### Auger Drive Clutch Adjustment

To check the adjustment of the auger drive clutch, 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 drive clutch 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. See Figure 5. Recheck the adjustment. Tighten the lock nut against the cable when correct adjustment is reached.

### Traction Drive Clutch and Shift Lever Adjustment

To check the adjustment of the traction drive clutch and shift lever, tip the snow thrower forward so that it rests on the auger housing. First move the shift lever all the way forward to sixth (6) position. With the traction drive lever released, spin the snow thrower wheels by hand. They should turn freely. Then engage the traction drive clutch grip. The wheels should stop turning.

Now release the traction drive clutch grip, and spin the wheels 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 have resistance when moving the shift lever or the wheels stop when they should not, loosen the lock nut on the traction drive cable and unthread the cable one turn. If the wheels do not stop when you engage the traction drive clutch grip, loosen the lock nut on the traction drive cable and thread the cable in one turn. Recheck the adjustment and repeat adjustment as necessary. Tighten the lock nut to secure the cable when correct adjustment is reached.

**NOTE:** If you are uncertain that you have reached the correct adjustment, refer to the Adjustment section on page 10.

### Skid Shoe Adjustment

The space between the shave plate and the ground can be adjusted. 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 6.

Adjust skid shoes by loosening the four hex nuts and carriage bolts and moving 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. Tighten nuts and bolts securely.

### TIRE PRESSURE (Pneumatic Tires)

The tires are over-inflated for shipping purposes. Check tire pressure and reduce to 15 to 20 psi.

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

## SECTION 5: CONTROLS

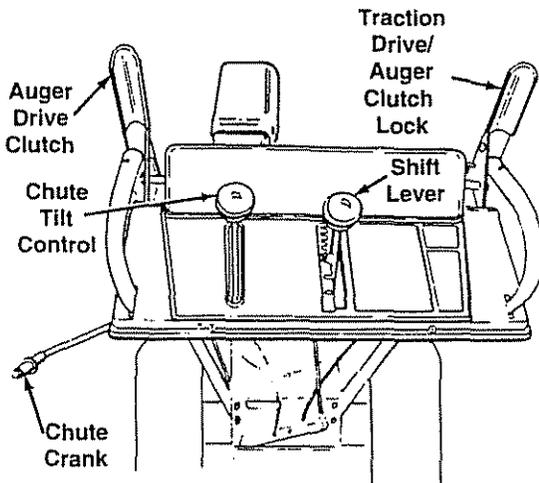


Figure 7

### SHIFT LEVER

(See Figure 7)

The shift lever is located in the center of the handle panel. The shift lever may be moved into one of eight positions. Run engine with throttle in the fast position. Use the shift lever to determine ground speed.

**Forward**—one of six speeds. Position number one (1) is the slowest. Position number six (6) is the fastest.

**Reverse**—two reverse (R) speeds. "R" closest to the operator (all the way back) is the faster of the two.



Figure 8

### AUGER DRIVE (See Figure 7)

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.)

### TRACTION DRIVE/AUGER CLUTCH LOCK

(See Figure 7)

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

This same lever also locks the auger clutch so you can turn the chute crank without interrupting the

snow throwing process. If the auger drive clutch is engaged with the traction drive clutch engaged, the operator can release the auger drive clutch (on the left handle) and the augers will remain engaged. Release the traction drive clutch to stop both the augers and wheel drive (auger drive clutch must also be released).

### CHUTE CRANK (See Figure 7)

The chute crank is located on left hand side of the snow thrower.

To change the direction in which snow is thrown, turn chute crank as follows:

1. Crank clockwise to discharge to the left.
2. Crank counterclockwise to discharge to the right.

### CHUTE TILT CONTROL (See Figure 7)

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

### HEADLIGHT

The headlight is on whenever the engine is running.

### THROTTLE CONTROL (See Figure 9)

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

### SAFETY IGNITION SWITCH (See Figure 9)

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.

## FUEL SHUT-OFF VALVE

The fuel shut-off valve, located under fuel tank, controls fuel flow from tank

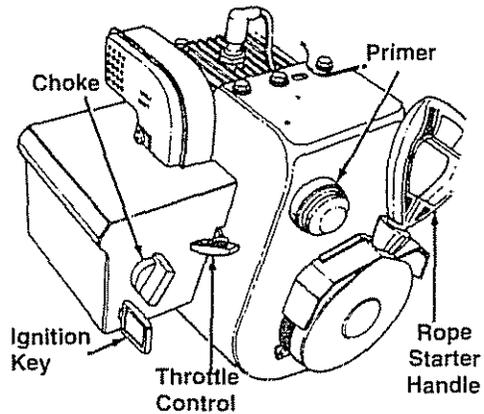
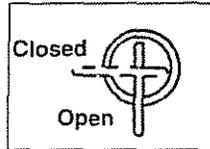


Figure 9

## SECTION 6: OPERATION

### GAS AND OIL FILL-UP

Service the engine with gasoline and oil as instructed in the separate engine manual packed with your snow thrower. Read instructions carefully.

**NOTE:** Your snow thrower is shipped without oil; however, a small amount of oil may be present from the factory. Do not overfill

**WARNING:** Never fill fuel tank indoors, with engine running or while engine is hot. Do not smoke when filling fuel tank.

### Electric Starter

**WARNING:** The electric starter is equipped with a three-wire power cord and plug, and is designed to operate on 120 volt AC household current. It must be properly grounded at all times to avoid the possibility of electric shock which may be injurious to the operator. Follow all instructions carefully. 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 system is grounded and a three-hole receptacle is not available at the point your starter will normally be used, one should be installed by a licensed electrician.

When connecting the power cord, always connect cord to starter on engine first, then plug the other end into a three-hole grounded receptacle.

When disconnecting the power cord, always unplug

the end from the three-hole grounded receptacle first.

### TO START ENGINE

**IMPORTANT:** If unit shows any sign of motion (drive or augers) with the clutch grips disengaged, shut engine off immediately. Readjust as instructed in the "Final Adjustments" section of the Set-Up Instructions.

1. Attach spark plug wire to spark plug.
2. Make certain the fuel shut-off valve is in the open (vertical) position.
3. Make certain the auger drive and traction drive clutch grips are in the disengaged (released) position.
4. Move throttle control up to FAST position. Insert ignition key into slot. See Figure 9. Be certain it snaps into place. **Do not** turn key.
5. Rotate choke knob to FULL choke position (cold engine start).  
If engine is warm, place choke in OFF position instead of FULL.
6. Connect power cord to switch box on engine. Plug the other end of power cord into a three-hole, grounded 120 volt AC receptacle.
7. **Recoil Start Only:** Push primer button two or three times. If engine is warm, push primer button once only. See Figure 9.

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

8. **Electric Start:** Push starter button on top of the engine to crank the engine. When engine starts, release starter button.

**Recoil Start:** Grasp starter handle (see Figure 9) 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.

9. Repeat step 8 until engine starts. If engine fails to start, repeat steps 7 and 8 until engine starts.
10. 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

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

**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 (Optional Instructions):** 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.

3. To stop engine, 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.

4. 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.

## TO ENGAGE DRIVE

1. 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. Use the slower speeds until you are familiar with the operation of the snow thrower.

2. Squeeze the traction drive clutch grip against the right handle and the snow thrower will move. Release it and the drive motion will stop.

**NOTE:** NEVER move shift lever without first releasing the drive clutch.

## TO ENGAGE AUGERS

To engage the augers and start the snow throwing action, squeeze the auger clutch grip against the left handle. Release to stop the augers (traction drive clutch grip must also be released).

The auger drive clutch can also be locked so you can turn the chute crank without interrupting the snow throwing process. Refer to "Traction Drive/Auger Clutch Lock" in the Control section.

## TIRE CHAINS (Optional Equipment)

Tire chains should be used whenever extra traction is needed.

## OPERATING TIPS

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



**WARNING:** Temperature of muffler and surrounding areas may exceed 150°F. Avoid these areas.

1. For most efficient snow removal, remove snow immediately after it falls.
2. Discharge snow downwind whenever possible. Slightly overlap each previous swath.
3. 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.
4. Be certain to follow the precautions listed under "To Stop Engine" on pages 7 and 8 to prevent possible freeze-up.
5. Clean the snow thrower thoroughly after each use.

## SECTION 7: ADJUSTMENTS

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

### CHUTE ASSEMBLY ADJUSTMENT

The distance snow is thrown can be adjusted by adjusting the angle of the chute assembly. Refer to the Control section of this manual.

### SKID SHOE ADJUSTMENT

The space between the shave plate and the ground can be adjusted. Refer to page 5 of the Set-Up Instructions.

### TRACTION DRIVE CLUTCH ADJUSTMENT

Refer to the Final Adjustment section of the Set-Up Instructions to adjust the traction drive clutch. If you are uncertain that you have reached the correct adjustment, the adjustment can be physically checked as follows.

With the snow thrower tipped forward (be certain to drain the gasoline or place plastic film under the gas cap if the snow thrower has already been operated), remove the frame cover underneath the snow thrower by removing six self-tapping screws.

With the traction drive clutch released, there must be clearance between the friction wheel and the drive plate in all positions of the shift lever. With the traction drive clutch engaged, the friction wheel must contact the drive plate. See Figure 10.

If adjustment is necessary, loosen the lock nut on the traction drive 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, be certain to remove it.

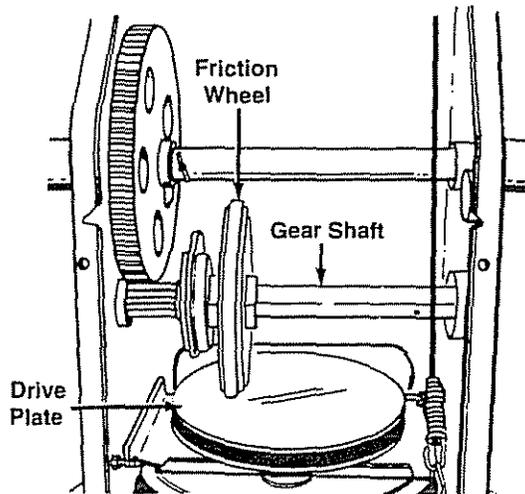


Figure 10

### AUGER CLUTCH ADJUSTMENT

To adjust the auger clutch, refer to Final Adjustment section of Set-Up Instructions.

### SHIFT ROD ADJUSTMENT

To adjust the shift rod, proceed as follows.

1. Remove hairpin clip and slide clutch rod connector up to separate upper and lower shift rod. See Figure 11.
2. Place shift lever in sixth (6) position or fastest forward speed.
3. Rotate shift arm assembly counter clockwise as far as it will go.
4. Thread the upper shift rod on the ferrule to align upper shift rod elbow with lower shift rod hole.
5. Insert cotter pin and slide clutch rod connector down. Tap to secure.

Make certain to check for correct adjustment of the shift rod as instructed in the Final Adjustment section on page 6 before operating the snow thrower.

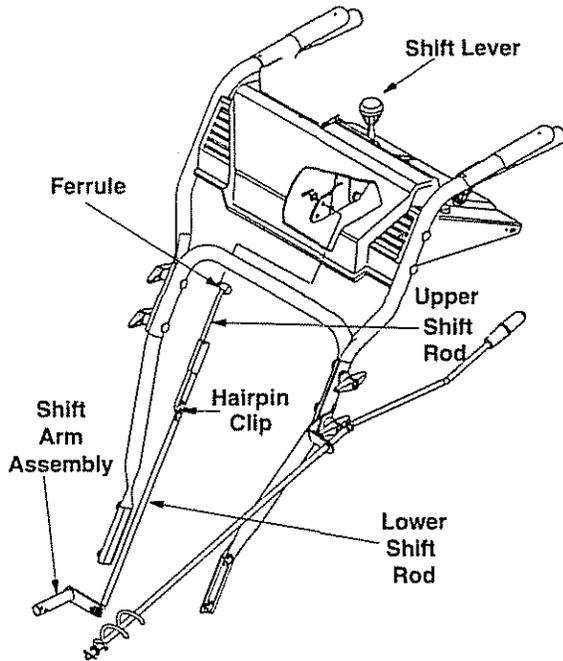


Figure 11

## DRIVE WHEELS

The wheels may be adjusted for two different methods of operation. The adjustment is made by

placing the klick pins in one of two different holes on the right side of the unit. See Figure 12.

1. **One Wheel Driving**—Place klick pin in the outside axle hole on the right side (through the axle only). This position gives power drive to the left wheel only, making the unit easier to maneuver.
2. **Both Wheels Driving**—Place klick pin in the hole in the hub next to the rim on the right side. This position is good for heavy snow as there is power drive in both wheels.

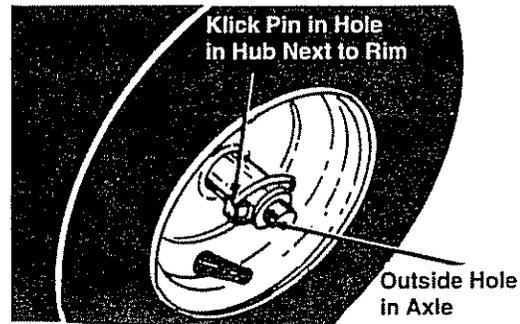


Figure 12

## SECTION 8: LUBRICATION



**WARNING:** Disconnect the spark plug wire and ground against the engine before performing any lubrication or maintenance.

### ENGINE

Refer to engine manual for all engine lubrication instructions.



**WARNING:** When following instructions in separate engine manual for draining oil, be sure to protect frame to avoid oil dripping onto transmission parts.

### WHEELS

Oil or spray lubricant into wheel bearings at least once a season. Remove wheels, clean and coat axles with a multi-purpose automotive grease. See Figure 13.

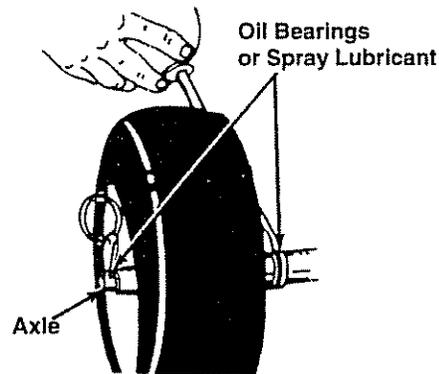


Figure 13

### CHUTE CRANK

The gear on the end of the chute crank should be greased with multi-purpose automotive grease once a season.

## AUGER SHAFT

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

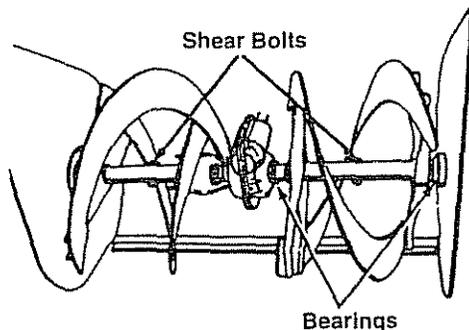


Figure 14

## GEAR SHAFT

Lubricate the gear shaft with 6-n-1 grease at least once a season or after every 25 hours of operation (available at automotive stores). Refer to Figure 10.

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

## 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.** Refer to Figure 10.

## TRACTION DRIVE/AUGER CLUTCH 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. Use a multi-purpose automotive grease.

## GEAR CASE

The gear case is lubricated with grease at the factory and does not require checking. If disassembled for any reason, lubricate with 2 ounces of Shell Alvania grease EPROO, part number 063337. Before reassembling, remove old sealant and apply "Loctite 5699" or equivalent.

**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.

## SECTION 9: MAINTENANCE



**WARNING:** Disconnect the spark plug wire and ground against the engine before performing any repairs or maintenance.

### ENGINE

Refer to separate engine manual for all engine maintenance procedures.

### AUGERS

The augers are secured to the spiral shaft with two shear bolts and hex lock nuts. Refer to Figure 14. If you hit a foreign object or ice jam, the snow thrower is designed so that the bolts will shear.

If the augers will not turn, check to see if the bolts have sheared. Two replacement shear bolts and hex lock nuts have been provided with the snow thrower. For future use, order part number 063434 (shear bolt 5/16-18 x 1.5" long) and 063438 (hex lock nut 5/16-18 thread).

### 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 four carriage bolts, Belleville washers (cupped side goes against skid shoes) and hex nuts. 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



**WARNING:** Disconnect the spark plug wire from the spark plug and ground.

## AUGER BELTS

1. Remove the plastic belt cover on the front of the engine by removing the two self-tapping screws. See Figure 15.

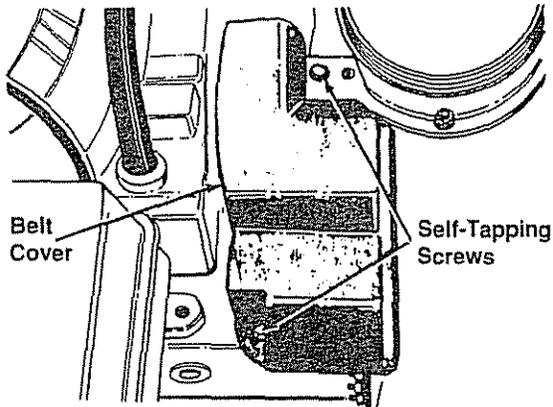


Figure 15

2. Drain the gasoline from the snow thrower, or place a piece of plastic under the gas cap.
3. Tip the snow thrower up and forward so that it rests on the housing.
4. Remove six self-tapping screws from the frame cover underneath the snow thrower.
5. Roll the front and rear auger belts off the engine pulley. See Figure 16.

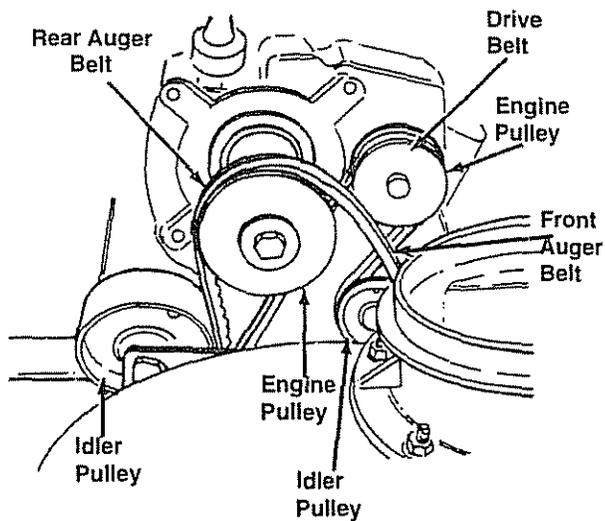


Figure 16

6. Unhook the idler spring from the hex bolt on the auger housing. See Figure 17.
7. Back out the stop bolt until the support bracket rests on the auger pulley. See Figure 18.

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

8. Lift the rear auger belt from the auger pulley, and slip belt between the support bracket and the auger pulley. See Figure 17. Repeat this step for the front auger belt.
9. Replace both auger drive belts by following instructions in reverse order.

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

## DRIVE BELT

1. Follow steps 1 through 4 of previous instructions.
2. Pull idler pulley up, and lift belt off engine pulley and friction wheel disc. See Figure 16.
3. Back out the stop bolt until the support bracket rests on the auger pulley. See Figure 18.
4. Slip belt between friction wheel and friction wheel disc. See Figure 18. Remove and replace belt. Reassemble following the instructions in reverse order.

**NOTE:** The support bracket must rest on the stop bolt after the new belt has been assembled. See Figure 18.

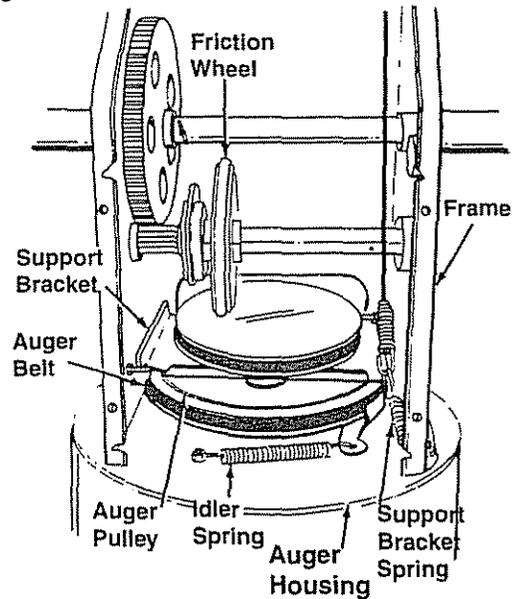


Figure 17

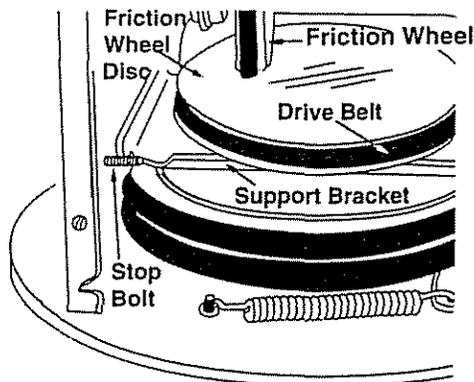


Figure 18

## CHANGING THE 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.

1. Drain the gasoline from the snow thrower, or place a piece of plastic under the gas cap.
2. Tip the snow thrower up and forward, so that it rests on the housing.
3. Remove six self-tapping screws from the frame cover underneath the snow thrower.
4. Remove the click pins which secure the wheels, and remove the wheels from the axle.
5. Using a 7/8" 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 19.
6. Lightly tap the hex nut to dislodge the ball bearing from the right side of frame. Remove the hex nut and bell washer from left end of shaft.
7. Slide the gear shaft to the right and slide the friction wheel assembly from the shaft.
8. Remove the six screws from the friction wheel assembly (three from each side). Remove the friction wheel rubber from between the friction wheel plate.
9. Reassemble new friction wheel rubber to the friction wheel assembly, tightening the six screws in rotation and with equal force.
10. Position the friction wheel assembly up onto the pin of the shift rod assembly, and slide the shaft through the assembly. Reassemble in reverse order.

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

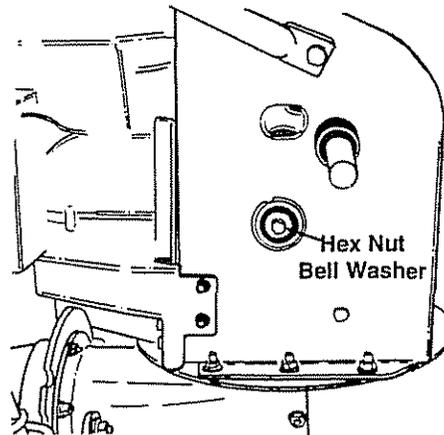


Figure 19

## SECTION 10: 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.

1. If unit is to be stored over 30 days, prepare engine for storage as instructed in the separate engine manual included with your unit.
2. Remove all dirt from exterior of engine and equipment.
3. Follow lubrication recommendations on pages 11 and 12.
4. Store in a clean, dry area.

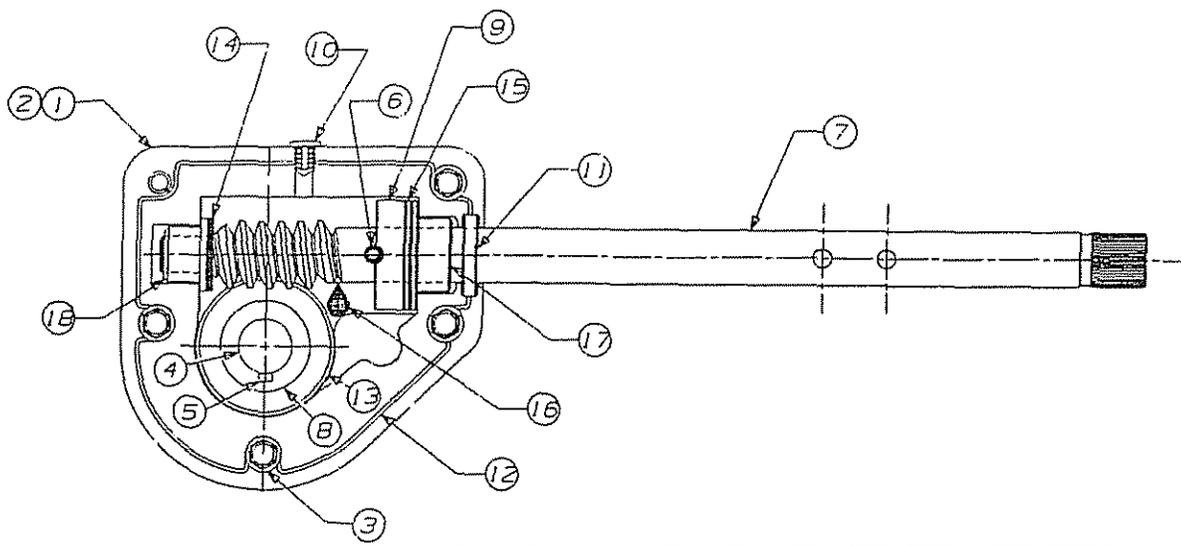
**NOTE:** When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rust proof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.

## SECTION 11: 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 packed with your unit. 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 packed with your unit or have carburetor adjusted by an authorized service dealer.
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-see Maintenance section of engine manual.
Engine overheats	Carburetor not adjusted properly.	Refer to the engine manual packed with your unit or have carburetor adjusted by an authorized service dealer.
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 Adjustment section of this manual. Replace drive belt. Refer to Belt Replacement in Maintenance section 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 Adjustment section of this manual. Replace drive belt. Refer to Belt Replacement in Maintenance section of this manual.

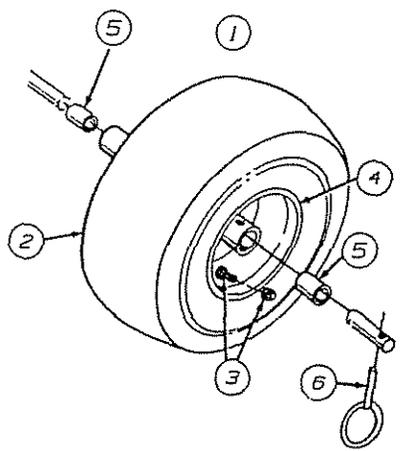
**Note:** For repairs beyond the minor adjustments above, contact your local authorized service dealer.

# GEAR ASSEMBLY



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	063320	Housing—R.H.	1	9	063330	Collar, Thrust	1
2	063322	Housing—L.H.	1	10	063331	Plug	1
3	063323	Screw	5	11	063332	Seal, Oil	1
4		Axle, Spiral 30" (663)	1	12	063333	Loctite 5699	45
	063324	Axle, Spiral 26" (653)	1	13	063334	Washer—Flat	2
		Axle, Spiral 24" (633)	1	14	063335	Washer—Flat	4
		Axle, Spiral 22" (623)	1	15	063336	Washer—Flat	1
5	063325	Key, Hi-Pro	1	16	063337	Grease	
6	063326	Pin, Spiral	1	17	063338	Bearing Flange	1
7	063327	Worm, Shaft	1	18	063339	Bearing Flange	1
8	063328	Gear, Worm	1				

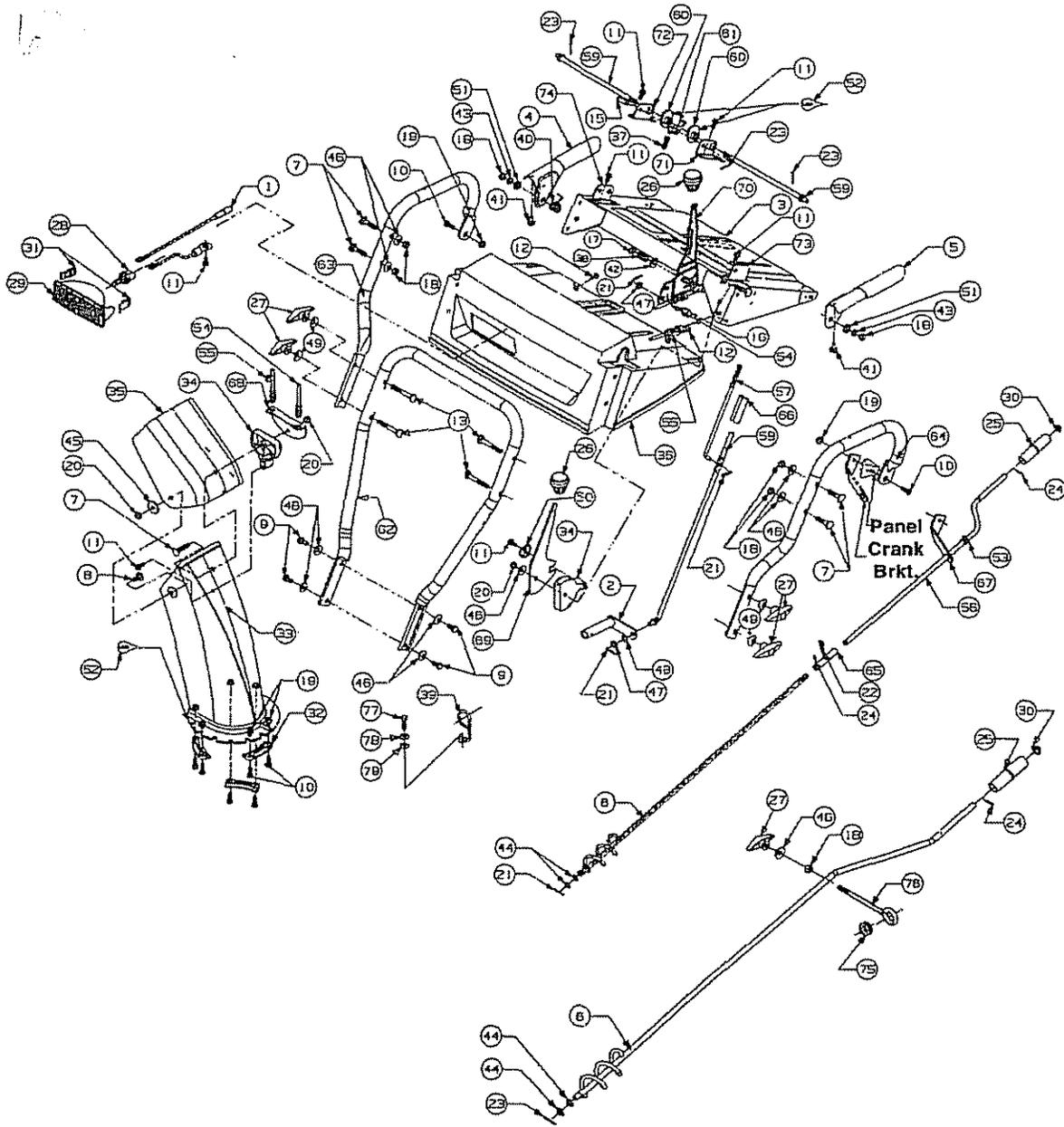
# WHEEL ASSEMBLIES



Model No.	Size	Ref. No. 1 Wheel Ass'y. Complete	Ref. No. 2 Tire Only	Ref. No. 3 Air Valve	Ref. No. 4 Rim Only	Ref. No. 5 Sleeve Bearing(2)	Ref. No. 6 Klick Pin
LSB2600	16.5 x 4.8	063340	063341	063342	063343	063344	063345

# HANDLE ASSEMBLY

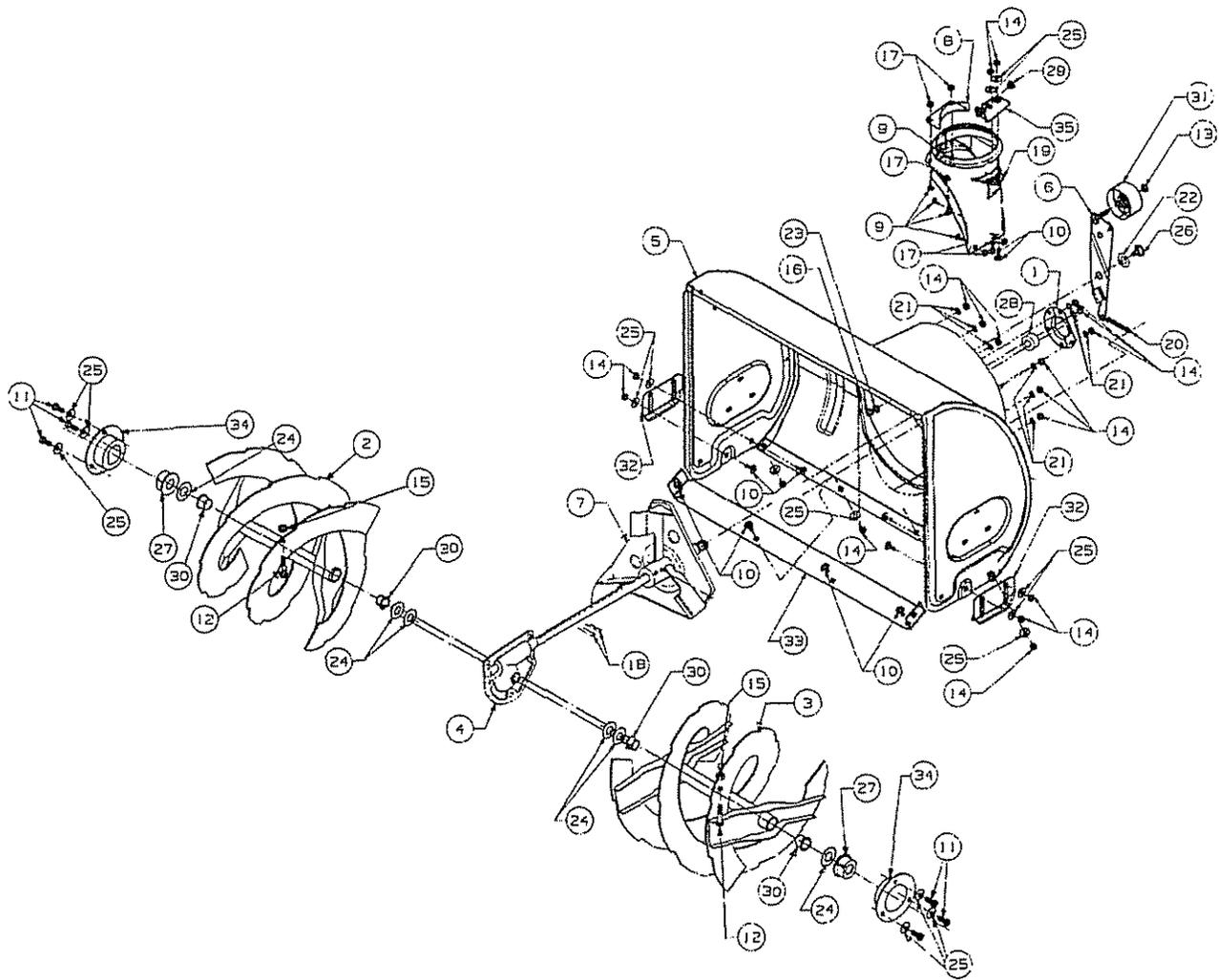
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# HANDLE ASSEMBLY

Ref. No.	LESCO Part No.	Description	Qty.	Ref. No.	LESCO Part No.	Description	Qty.
1	063346	Harness-Light	1	41	063387	Bumper	2
2	063347	Arm-Shift	1	42	063389	Washer-Bell	1
3	063349	Panel Ass'y.-Handle w/Tilt	1	43	063390	Washer-Lock	2
4	063350	Handle-Engagement-R.H.	1	44	063391	Washer-Flat	2
5	063351	Handle-Engagement-L.H.	1	45	063392	Washer	1
6		"Crank-Chute (623, 633)"	1	46	063393	Washer-Bell	9
	063352	"Crank-Chute (653,6B3)"	1	47	063395	Washer-Flat	2
7	063353	Bolt-Carriage	5	48	063396	Washer-Lock	1
8	063354	Bolt-Carriage	1	49	063397	Washer-Saddle	4
9	063356	Screw-Hex	4	50	063398	Washer	1
10	063357	Screw-Hex	8	51	063399	Washer	2
11	063358	Screw-Washer Head-Hex	7	52	063400	Lubricant	
12	063359	Screw-Hex	2	53		Bushing-Plastic†	1
13	063360	Bolt-Carriage	4	54	063402	Cable-Chute Control	1
15	063361	Pin-Clevis	1	55	063403	Cable-Chute Control	1
16	063362	Ferrule	1	56		Crank-Chute†	1
17	063363	Nut-Hex Lock	1	57	063401	Rod-Shift Upper	1
18	063364	Nut-Hex	6	58	063404	Rod-Shift Lower	1
19	063365	Nut-Hex Lock	8	59	063405	Rod-Cam	2
20	063366	Nut-Hex Lock	3	60	063406	Cam-Handle Lock	2
21	063367	Pin-Cotter Internal	4	61	063408	Pawl-Handle Lock	1
			1	62	063409	Handle-Lower	1
23	063369	Pin-Cotter	3	63	063410	Handle-R.H.	1
24	063370	Pin-Roll	2	64	063411	Handle-L.H.	1
25	063371	Knob-Chute Crank	1	65		Spacer†	1
26	063372	Knob-Shift	2	66	063412	Connector	1
27	063373	Knob-Wing Nut	4	67		Bracket†	1
28	063374	Lamp	1	68	063413	Bracket-Cable	1
29	063375	Housing-Lamp	1	69	063414	Handle-Chute Tilt	1
30	063376	Cap-Push	1	70	063415	Handle-Shift	1
31	063377	Clip-Retaining	2	71	063416	Bracket-Handle Support-L.H.	1
32	063378	Keeper-Chute	3	72	063417	Bracket-Handle Support-R.H.	1
33	063379	Chute-Lower	1	73	063418	Bracket-Handle Support-L.H.	1
34	063380	Guide-Cable	2	74	063419	Bracket-Handle Support-R.H.	1
35	063381	Chute-Upper	1	75		"Grommet Rubber (623, 633)"	1
36	063382	Panel-Handle	1			"Eyebolt-Chute (623, 633)"	1
37	063383	Spring	1	76		"Screw-Washer Head-Hex (623, 633)"	1
38	063384	Spring	1	77		"Washer-Lock (623, 633)"	1
39	063385	Wire-Control	1	78		"Washer-Flat (623, 633)"	1
40	063386	Spring	1	79			

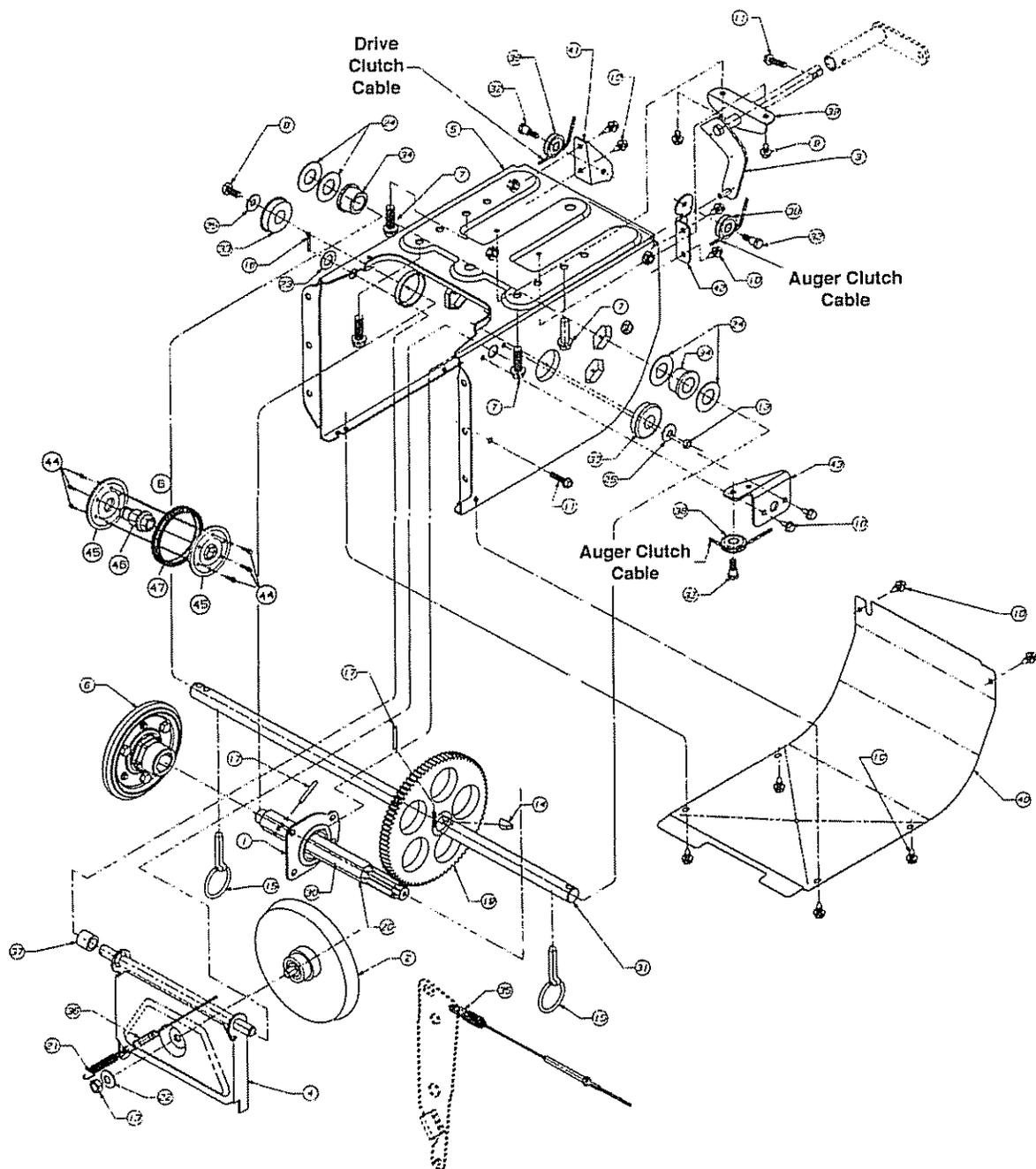
# BLOWER HOUSING



## BLOWER HOUSING

Ref. No.	LESCO Part No.	Description	Qty.	Ref. No.	LESCO Part No.	Description	Qty.
1	063421	Housing-Bearing	1	14	063436	Nut-Hex	19
2		"Spiral Assembly-L.H. 22""	1	15	063438	Nut-Hex	2
		"Spiral Assembly-L.H. 24""	1	16	063440	Nut-Hex	1
	063423	"Spiral Assembly-L.H. 26""	1	17	063441	Nut-Hex Lock	5
		"Spiral Assembly-L.H. 30""	1	18	063443	Pin-Spring	2
3		"Spiral Assembly-R.H. 22""	1	19	063444	Adapter-Chute	1
		"Spiral Assembly-R.H. 24""	1	20	063445	Spring	1
	063424	"Spiral Assembly-R.H. 26""	1	21	063447	Washer-Lock	9
		"Spiral Assembly-R.H. 30""	1	22	063449	Washer-Flat	1
4		"Gear Assembly 22""	1	23	063450	Washer-Lock	1
		"Gear Assembly 24""	1	24	063451	Washer-Flat	6
	063425	"Gear Assembly 26""	1	25	063452	Washer-Bell	16
		"Gear Assembly 30""	1	26	063453	Screw-Shoulder	1
5		"Housing Assembly 22""	1	27	063455	Bearing-Flange	2
		"Housing Assembly 24""	1	28	063456	Bearing-Ball	1
	063426	"Housing Assembly 26""	1	29	063457	Bushing-Plastic	1
		"Housing Assembly 30""	1	30	063458	Bushing-Flange	4
6	063427	Arm-Idler Assembly	1	31	063459	Idler-Flat	1
7	063428	Impeller Assembly	1	32	063460	Shoe-Slide	2
8	063429	Reinforcement-Chute	1	33		"Shave Plate 22""	1
9	063431	Screw-Carriage	5			"Shave Plate 24""	1
10	063432	Screw-Carriage	10		063461	"Shave Plate 26""	1
11	063433	Screw-Hex	6			"Shave Plate 30""	1
12	063434	Shear Bolt	2	34	063462	Housing-Bearing	2
13	063435	Nut-Hex Lock	1	35	063463	Bracket-Chute Crank	1

# FRAME ASSEMBLY



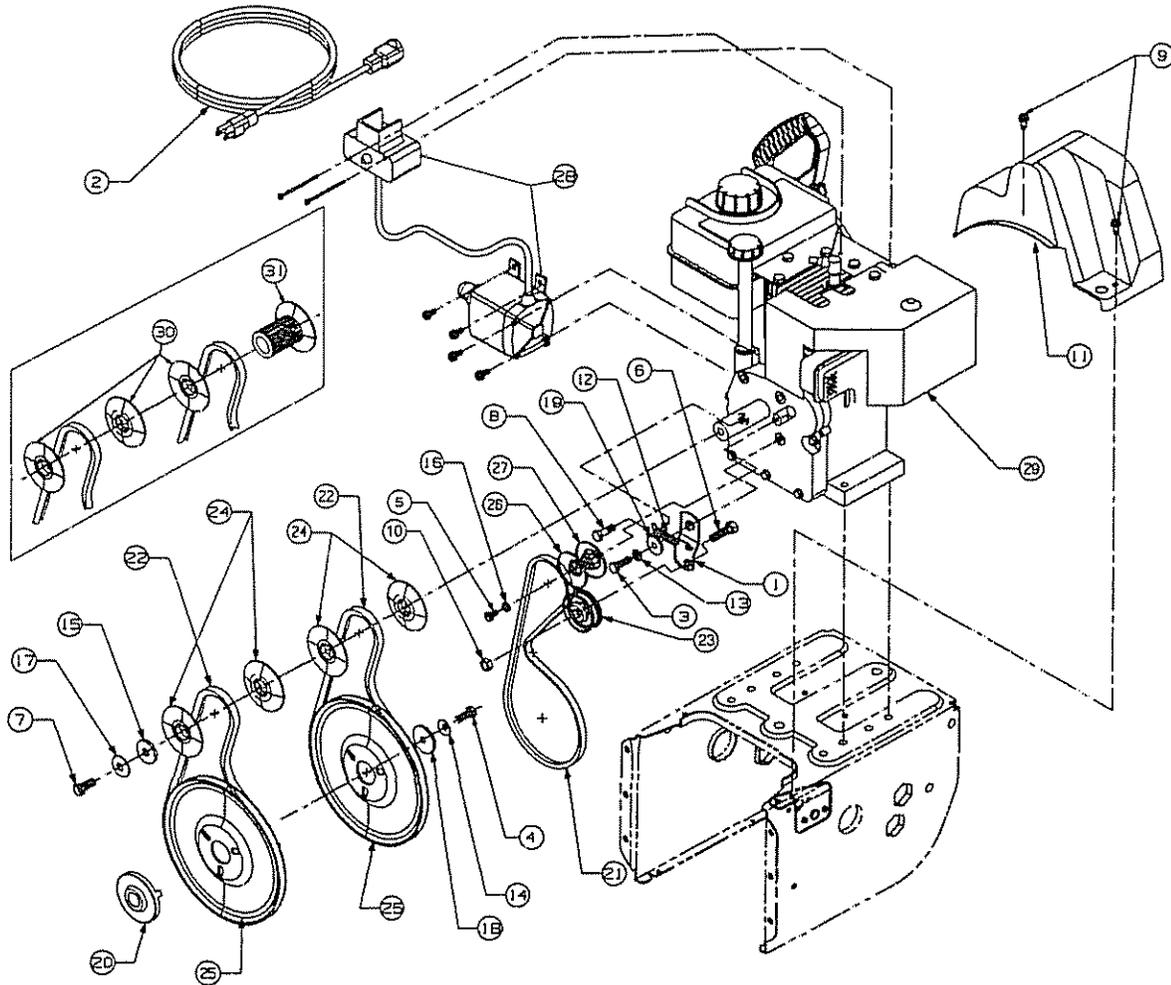
## FRAME ASSEMBLY

Ref. No.	LESCO Part No.	Description	Qty.	Ref. No.	LESCO Part No.	Description	Qty.
1	063464	Bearing Ass'y.	1	25	063487	"Washer, Bell"	2
2	063465	Ass'y. Friction Wheel Disc	1	30		Lubricant	
3	063466	"Rod Shift, Wheel Drive"	1	31		Axle†	
4	063467	Brkt. Ass'y. Friction Wheel	1	31	063488	Axle††	1
5	063468	"Frame Ass'y., 600 S/T"	1	32	063489	"Screw, Shoulder"	3
6	063469	Wheel Friction	1	33	063490	"Bearing, Ball"	2
7	063471	Hex Self-Tap Screw	4	34	063491	Flange Bearing	2
9	063472	"Scr., Hex Wash. Hd., " "TT1/4-20 x .5""	2	35	063492	"Cable, Auger"	1
10	063474	Hex Self-Tap Scr	12	36	063493	"Cable, Clutch"	1
11	063475	"Screw, Hex"	2	37	063494	Spacer	1
13	063476	"Nut, Hex"	1	38	063495	"Roller, Cable"	3
14	063477	Key	1	39	063496	"Frame, Shift Bracket"	1
15	063478	"Pin, Klick"	2	40	063497	"Cover, Frame"	1
16	063479	"Pin, Cotter"	1	41	063498	"Bracket, Drive Cable Roller"	1
17	063480	"Pin, Roll"	2	42	063499	"Brkt., Auger Clutch Cable " Guide	1
19	063481	Gear	1	43	063501	"Brkt., Front Support Guide"	1
20	063482	"Shaft, Hex"	1	44	063502	Hex Wash Hd. TT-Tap "Scr. 1/4-20 x .5" Lg."	6
21	063483	Extension Spring	1	45	063503	Friction Plate	1
22	063484	"Washer, Bell"	2	46	063504	Friction Wheel Hub	1
23	063485	Flat Washer	1	47	063505	Friction Wheel Rubber	1
24	063486	"Washer, Flat"	4				

† Used with 13" Wheels

†† Used with 16" Wheels

# ENGINE AND V-BELTS



Ref No.	LESCO Part No.	Description	Qty.	Ref No.	LESCO Part No.	Description	Qty
1	063506	Bracket	1	16	063523	Washer-Lock	1
2	063509	"Cord, Extension"	1	17	063524	Washer-Bell	1
3	063510	Screw	1	18	063526	Washer-Flat	1
4	063511	Screw	1	19	063527	Shoulder Spacer	1
5	063512	Screw	1	20	063528	"Pulley, Adapter"	1
6	063513	Screw	1	21	063529	V-Belt	1
7	063514	Screw	1	22	063530	V-Belt Matched	2
8	063515	Screw	1	23	063531	"Idler, Flat"	1
9	063516	Screw	2	24	063532	"Pulley, Half"	4
10	063517	"Nut, Hex"	1	25	063533	Pulley-Auger	2
11	063518	Belt Cover	1	26	063534	"Pulley, Half"	1
12	063519	Spring	1	27	063536	"Pulley, Half"	1
13	063520	Washer-Flat	1	28		Starter (633)	1
14	063521	Washer-Bell	1		063537	Starter	1
15	063522	Washer-Flat	1	29		Engine	1
				30		"Pulley, Half (633)"	3
				31		"Pulley, Half (633)"	1



## Equipment One-Year Limited Warranty

**1. What Is Covered By This Warranty.** LESCO, Inc. warrants, to the original purchaser only, that the Equipment that is the subject of this sale (a) conforms to LESCO's published specifications, and (b) is free from defects under normal service, for a one-year period from the original date of delivery. This warranty does not include damage to the Equipment resulting from occurrences set forth hereinafter in (2). If the purchaser discovers within this period a failure of the Equipment to conform to specifications or a defect in material or workmanship, they must promptly notify LESCO in writing of such claim. Any claims under this warranty must be received in writing by LESCO within 13 months from the date of original delivery. Within a reasonable time after such notification, LESCO will replace any defective component of the Equipment or part thereof. LESCO will provide the components or parts at LESCO's expense. Labor is to be performed by the original purchaser. (LESCO will provide purchaser a labor allowance at LESCO's current flat rate schedule.) LESCO will make the final determination as to the amount of hours to be reimbursed to the purchaser for labor. All defective parts shall be returned to LESCO if requested. These remedies are the original purchaser's **exclusive** remedies for breach of warranty.

**2. What Is Not Covered By This Warranty.** LESCO does not warrant (a) any product, components or parts not manufactured by LESCO; (b) defects caused by failure to provide a suitable installation environment for the Equipment; (c) damage caused by use of the Equipment for purposes other than those for which it was designed; (d) damage caused by accident or disasters such as fire, flood, wind and lightning; (e) damage caused by unauthorized attachments or modification; or (f) any other abuse or misuse of the Equipment.

**3. EXCLUSIVE WARRANTY.** THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OR REMEDIES, WHETHER WRITTEN, ORAL OR IMPLIED. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF DEALING OR USAGE OF TRADE ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED.

**4. LIMITATION OF REMEDIES.** UNDER NO CIRCUMSTANCES, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, SHALL LESCO BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL ARISING OUT OF THE USE OF OR INABILITY TO USE THIS EQUIPMENT INCLUDING BUT NOT LIMITED TO ANY CLAIM FOR LOSS OF PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF USE OF THE EQUIPMENT OR ANY ASSOCIATED EQUIPMENT, FACILITIES OR SERVICE, DOWNTIME. THE CLAIMS OR COSTS OF THIRD PARTIES INCLUDING CUSTOMERS, AND INJURY TO PROPERTY. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages. so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights. and you may also have other rights which vary from state to state.

**5. Time Limit For Claims.** Any claim for breach of warranty or claims under this warranty must be received by LESCO within 13 months following delivery of the equipment.

**6. No Other Warranties.** Unless modified in writing signed by both parties, this agreement is understood to be the complete and exclusive agreement between the parties, superceding all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this agreement. No employee or representative of LESCO or any other party is authorized to make any other Warranty or to assume any other liability in connection with the sale of its Equipment.

**7. Future Changes.** LESCO reserves the right to reserve, change or modify the construction and design of its Equipment or any component part or parts thereof without incurring the obligations to make such changes or modifications in present equipment.

**8. Allocation Of Risks.** This agreement allocates the risks of equipment failure between LESCO and the original purchaser. This allocation is recognized by both parties and is reflected in the price of the goods. THE PURCHASER ACKNOWLEDGES THAT IT HAS READ THIS AGREEMENT, UNDERSTANDS IT, AND IS BOUND BY ITS TERMS.

**9. How To Contact LESCO.** If during the warranty period, the LESCO EQUIPMENT does not function properly due to defect, simply contact the LESCO Service Department:

LESCO, Inc. (440) 333-9250 Cleveland  
Service Department (800) 321-5325 Toll Free  
P.O. Box 16915  
Rocky River, OH 44116-0915

## HOW TO ORDER PARTS

Contact your LESCO Salesperson. OR phone us (use the numbers above). OR write us (use the address above). We will need the following information:

1. Your account number if available.
2. Your name and address and the address where you want the parts to be shipped
3. The Model/Serial No. of the equipment
4. The LESCO Part No. and the quantity desired. (Please do not use reference numbers.)

*NOTE: Inspect all shipments on receipt for damage or missing parts. File a claim with the carrier before accepting a damaged shipment.*

We reserve the right to change designs, specifications and equipment at any time without notice and without incurring any obligations.

LESCO, Inc., 20005 Lake Road, Rocky River, Ohio 44116-1545  
Toll Free (800) 321-5325 • In the Cleveland Area (440) 333-9250

