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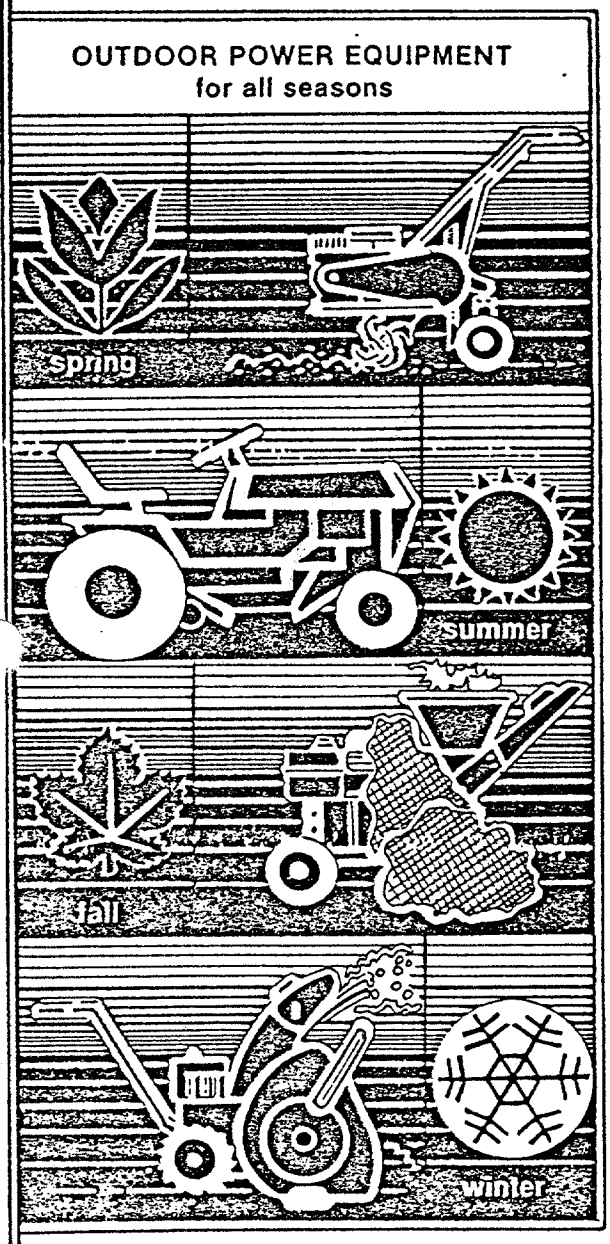
OWNER'S GUIDE



AGWAY

22" SELF-PROPELLED ROTARY MOWER

Model Number 82-0667

(125-226-019)

Important:

Read Safety Rules and Instructions Carefully

Thank you for purchasing an American-built product.

PRINTED IN U.S.A.

FORM NO. 770-4496

INDEX

Instructions given with this symbol are for personal safety. Be sure to follow them.

LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

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 muffler is available at your nearest engine authorized service center.

WARNING

To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR WALK-BEHIND MOWERS

TRAINING

1. Read this owner's 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.
2. Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.
3. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
4. No one should operate this unit while intoxicated or while taking medication that impairs the senses or reactions.
5. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidently thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.

PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
2. Do not operate equipment when barefoot or wearing open sandals. Always wear substantial footwear.
3. Do not wear loose fitting clothing that could get caught on the mower.
4. 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 while the engine is still hot. Wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Mow only in daylight or in good artificial light.
9. Never operate the equipment in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. Keep a firm hold on the handle and walk, never run.

OPERATION

1. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangerous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade can cause injury.
3. Stop the blade when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
7. Before cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
8. Do not run the engine indoors.
9. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always be sure of your footing. A slip and fall can cause serious personal injury.
10. Always disconnect electric mowers (line operated) before cleaning, repairing or adjusting.
11. Never operate mower without proper guards, plates or other safety protective devices in place.

MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.

NOTE

Reference to right or left hand side of the mower is observed from the operating position.

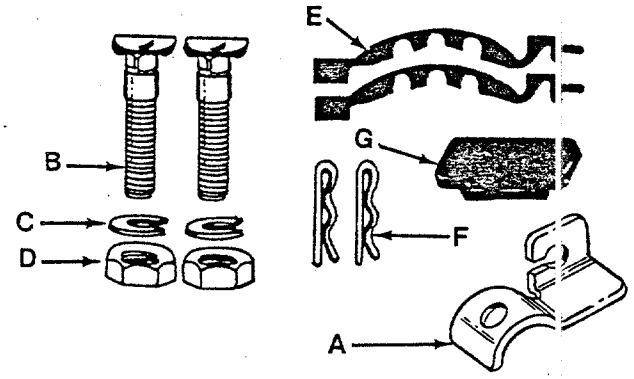


FIGURE 1.

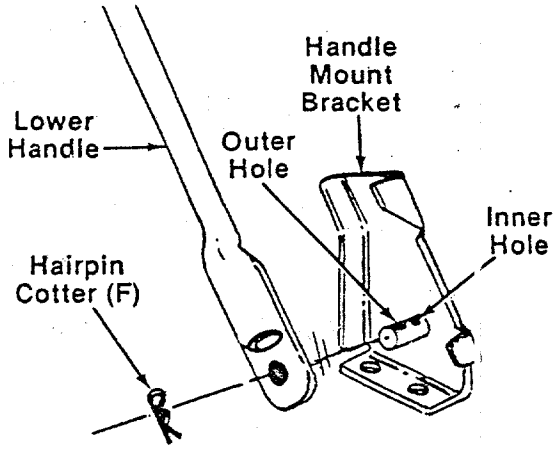


FIGURE 2.

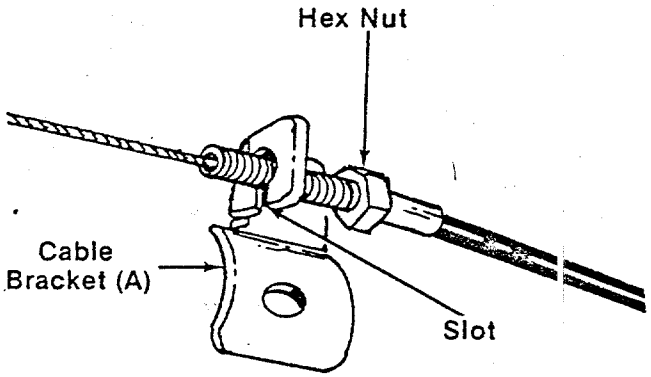


FIGURE 3.

ASSEMBLY INSTRUCTIONS

NOTE

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see separate engine manual for proper fuel and engine oil recommendations.

Contents of Hardware Pack: (See figure 1)

A (1) Cable Bracket
B (2) Curved Head Carriage Bolts
C (2) Lock Washers 5/16" I.D.
D (2) Hex Nuts 5/16-18 Thread
E (2) Cable Ties
F (2) Hairpin Cotters
G (1) Plastic Plug
H (2) Ignition Keys (Not Shown)

1. Remove lawn mower and loose parts from carton. Make certain all parts and literature have been removed from the carton before the carton is discarded.
2. Extend the control cables and place on the floor. Be careful not to bend or kink control cables.
3. Attach the lower handle by placing the bottom holes in the lower handle over the weld pins on the handle mount brackets. Make certain the instruction label on the lower handle can be read from the operating position. Secure with hairpin cotters (F) in inner holes on weld pins. See figure 2.

NOTE

There are two (2) holes in the handle mount brackets. Place the hairpin cotter in the inner hole for operation. Outer hole is for storage.

NOTE

It may be necessary to bend the ends of the lower handle outward slightly to obtain a tight fit against the handle mount brackets.

4. The clutch cable is attached to the drive cover, and has a spring on the loose end. Remove one hex nut from the end of the cable. Hold the cable bracket (A) as shown in figure 3. Slip the wire through the slot on cable bracket. Push end of cable up through the hole in the bracket. See figure 3. Start hex nut back on the end of the clutch cable. Do not tighten at this time.

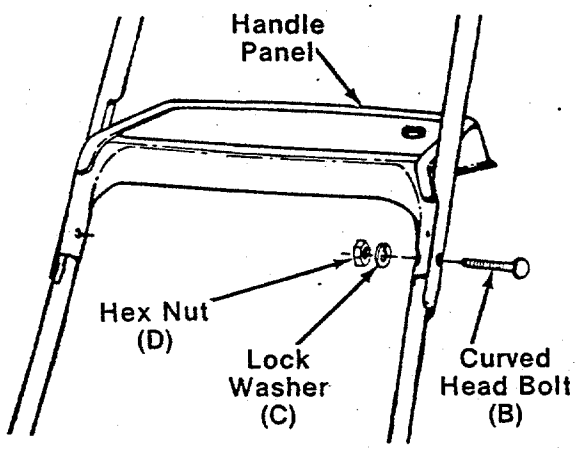


FIGURE 4.

5. Place the handle panel and upper handle in position over the lower handle. The control housing must be on the left hand side of the handle. Secure the left hand side of upper handle using one curved head bolt (B), lock washer (C) and hex nut (D) as shown in figure 4.

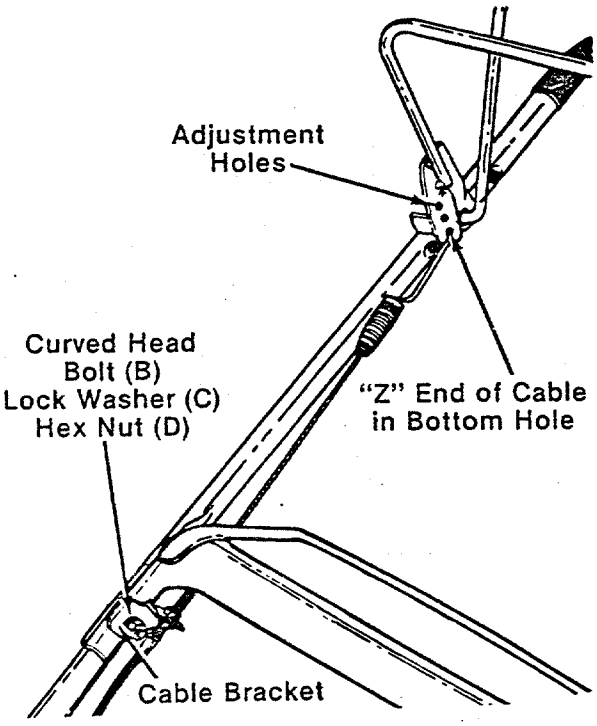


FIGURE 5.

6. Route the clutch cable under the lower handle. Hook the "Z" end of the clutch cable into the bottom adjustment hole in the clutch control handle. See figure 5.
7. Place curved head bolt through right side of upper and lower handles and handle panel. Place the clutch cable bracket on the curved head bolt. See figure 5. Secure with lock washer (C) and hex nut (D).

NOTE

The final adjustment of the clutch cable must be made before the engine is started as described in step 18.

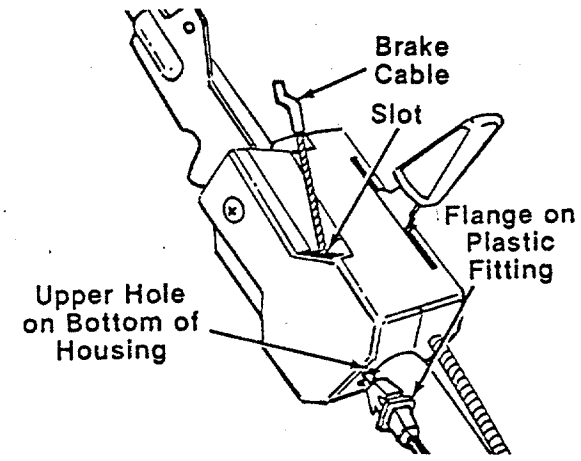


FIGURE 6.

8. The brake cable is attached to the engine. Route the brake cable under the lower handle. Place the end of the brake cable into the upper hole on the bottom of the control housing, and through the slot in the side of the housing as shown in figure 6. The angle of the flange on the plastic fitting must be positioned downward as shown. Be careful not to bend or kink the cable.

WARNING

Brake cable must be assembled as shown for proper blade brake operation.

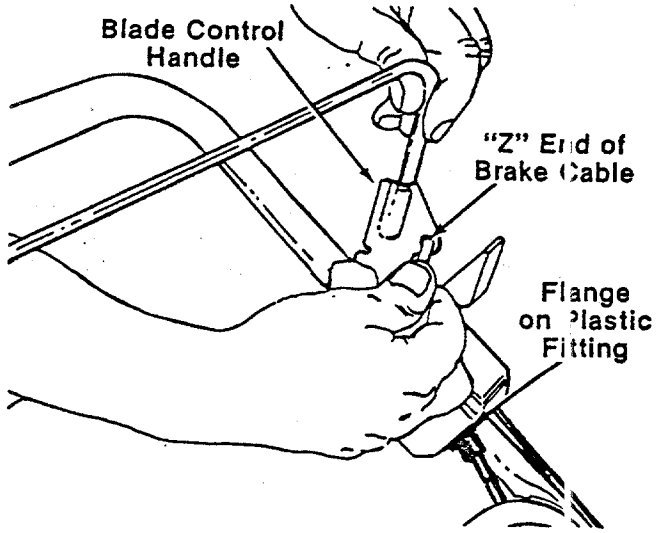


FIGURE 7.

9. Snap the plastic fitting on the end of the cable into the control housing.
10. Hook the "Z" end of the brake cable into the hole in the blade control handle. See figure 7. If additional slack is needed in order to hook the cable into the handle, proceed as follows.

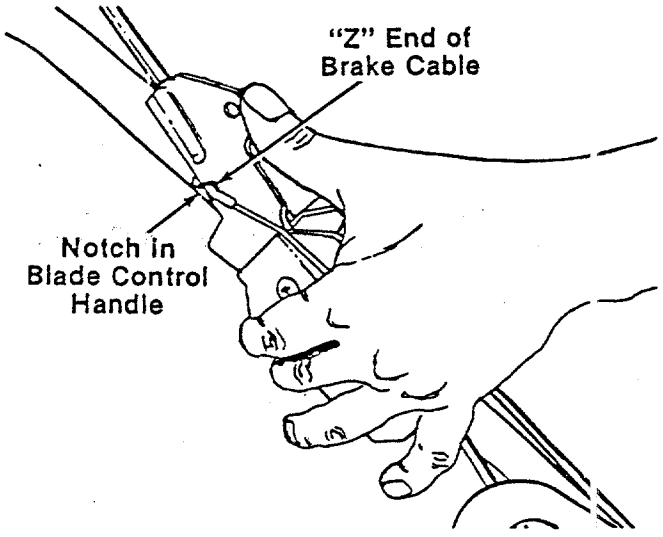


FIGURE 8.

a. Hook the "Z" end of the cable into notch provided in the blade control handle. See figure 8.
b. Squeeze blade control handle against upper handle.
c. Release the blade control handle, unhook the cable from the notch and hook it into the hole in the blade control handle.

11. Place the throttle control lever on the handle in "Fast" position.
12. Push the throttle control lever on the engine to the full open position (as far toward the outside of the unit as it will go) as shown in figure 9.
13. The throttle control cable is attached to the upper handle. Hook the "Z" end of the throttle control cable into the hole in the control lever on the engine.

NOTE

If there are two holes in the throttle control lever on the engine, hook the throttle control cable into the outside hole.

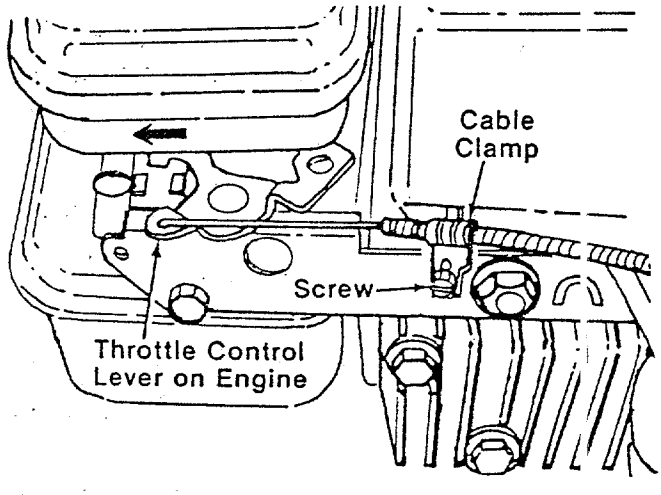


FIGURE 9.

14. Remove the screw on the cable clamp shown in figure 9. Slip the control casing under the clamp. With the throttle lever on the engine still in the full open position, tighten the screw to secure the throttle control cable.
15. Loosen the screw on the clamp on the side of the engine. Secure the cable **away from the muffler.** Be careful not to bend or kink the cable. Tighten the screw.

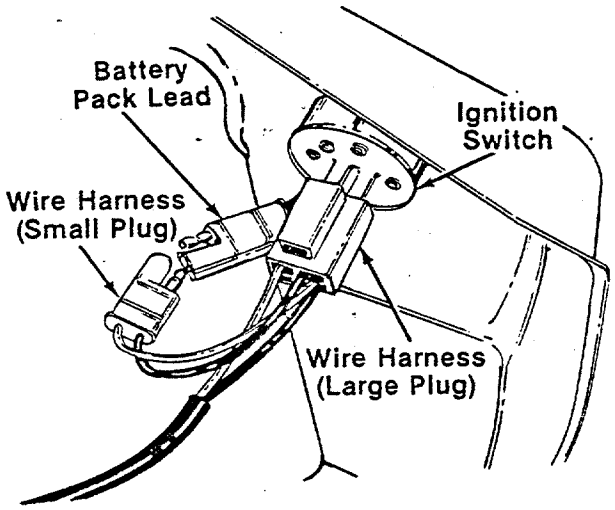


FIGURE 10.

16. Plug the large plug on the wire harness into the ignition switch. Plug the small plug on the wire harness into the battery pack lead. See figure 10.

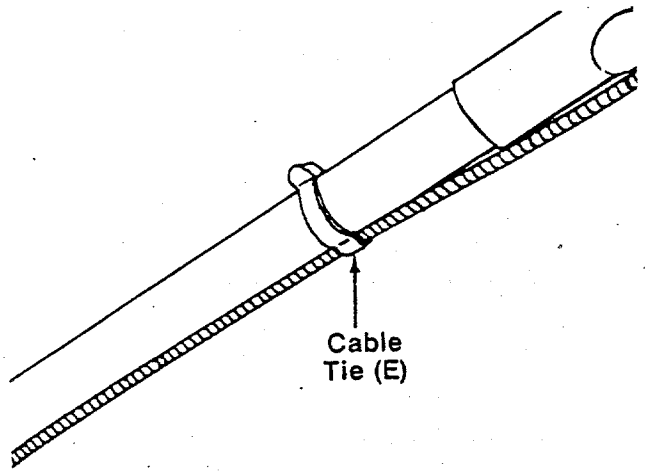


FIGURE 11.

17. Secure throttle control and brake cables to upper and lower handles with cable ties (E). See figure 11.

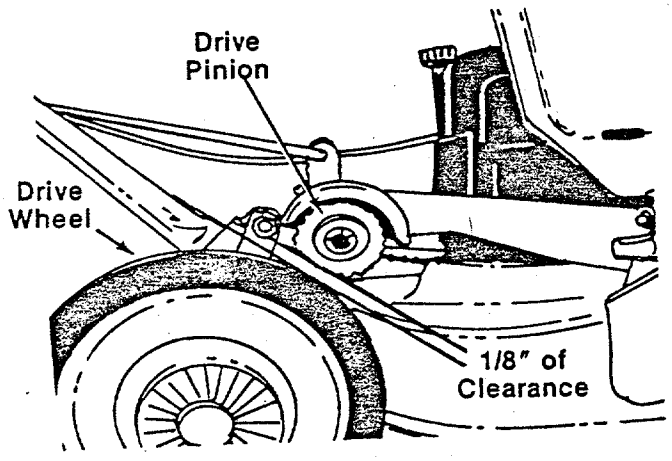


FIGURE 12.

18. Adjust the clutch cable by adjusting the hex nuts at the cable bracket. Correct adjustment is as follows.

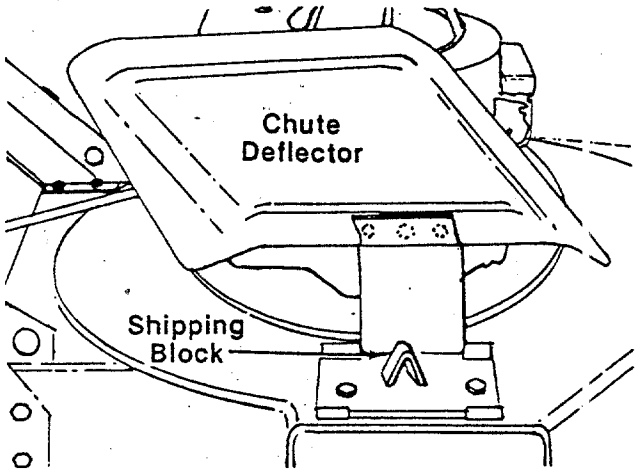
    The drive pinions should be approximately 1/8" from the drive wheels when the clutch is disengaged (clutch control handle is **not** squeezed against upper handle). See figure 12.

    When the clutch control is engaged, the drive pinions should press against the tires.

    If further adjustment is needed, refer to adjustment section of this manual.

19. Insert plastic plug (G) into hole in the top rear of the deck by slipping one end of plug into hole, then pressing down on the other end of plug.

20. Check all nuts and bolts for correct tightness.



CAUTION

Please note that the chute deflector on your mower is in an upright position. It is held in that position by a shipping block. This block is used for shipping purposes only. It must be removed and discarded before your mower is put into operation. See figure 13.

FIGURE 13.

CONTROLS

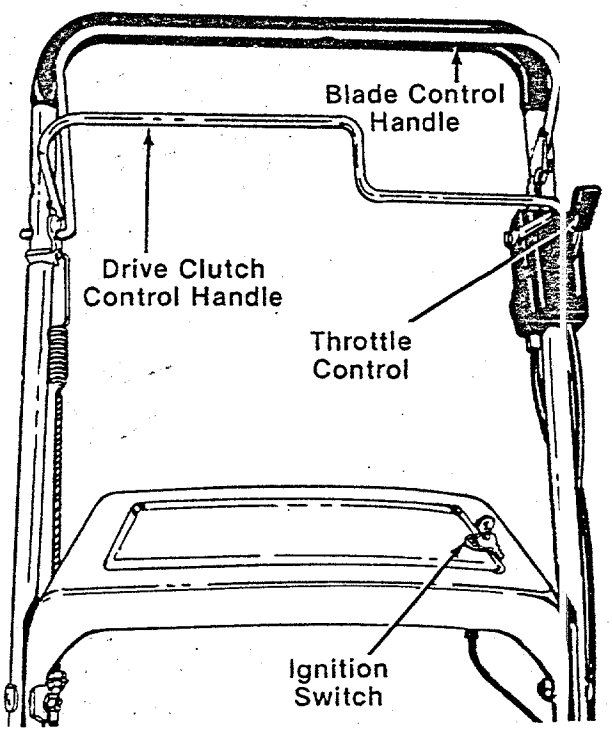


FIGURE 14.

BLADE CONTROL HANDLE

The blade control handle is located on the upper handle of the mower. See figure 14. The blade control handle must be depressed in order to operate the unit. Release the blade control handle to stop the engine and blade.

WARNING

The blade will be rotating whenever the engine is running.

THROTTLE CONTROL

The throttle control is located on the left side of the upper handle. It is used to regulate the engine speed. The engine should be started with the engine in the FAST or START position.

WARNING

The throttle control cannot be used to stop the engine.

IGNITION SWITCH

The ignition switch is located on the right side of handle panel. It is used for starting only. See figure 14.

DRIVE CLUTCH CONTROL

Squeezing the drive clutch control handle engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the drive clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figure 14.

OPERATION

FIGURE 15.

Keep hands and feet away from the chute area on cutting deck. See figure 15.

NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting position until it is determined which height is best for your lawn. See cutting height adjustment section.

BEFORE STARTING

WARNING

The battery contains corrosive fluid and toxic material. HANDLE WITH CARE. Keep away from children. Do not puncture, disassemble, multilate or incinerate. Explosive gases could be vented during charging or discharging. Use in a well-ventilated area, away from sources of ignition.

1. Charge battery for 16 hours before initial use. DO NOT CHARGE LONGER THAN 20 HOURS.

CAUTION

Use only the battery charger supplied with this mower.

To charge the battery, proceed as follows. See figure 16.

Always plug charger lead into battery pack lead before inserting battery charger plug into 120 volt standard household outlet.

After charging, disconnect battery charger plug from household outlet first, then disconnect charger lead from battery pack lead.

WARNING

Do not remove the battery pack from the handle panel for any reason other than replacement. When replacing the battery pack, refer to instructions in Maintenance section.

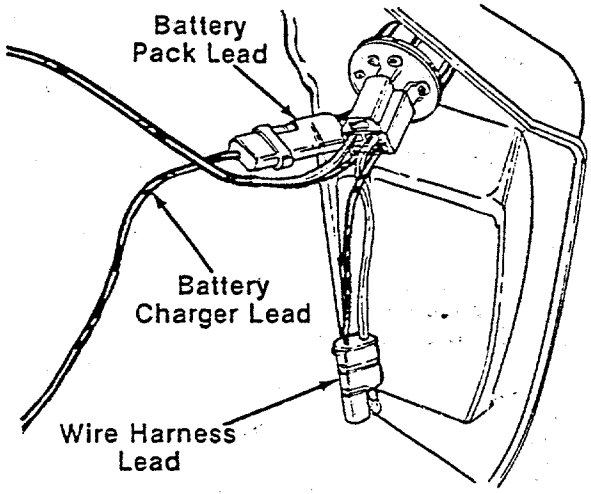


FIGURE 16.

2. Fill sump with oil as instructed in the separate engine manual packed with your unit.
3. Fill fuel tank, using clean, fresh, unleaded, low-lead or regular grade leaded gasoline. Fill tank completely!

   DO NOT MIX OIL WITH GASOLINE.
4. Attach spark plug wire to spark plug.
5. Before each use, check drive clutch adjustment. When the clutch handle is engaged, the black nylon drive pinions should press against the tires. When the clutch handle is released, the pinions should clear the wheels by approximately 1/8". See drive clutch adjustment on page 11 for further details.

WARNING

When starting the unit for the first time, face the mower against a solid object such as a wall, fence, etc. Start the unit, and if it shows any signs of motion with the drive clutch control disengaged, shut the engine off immediately. Refer to page 11 for further instructions on the drive clutch adjustment.

TO START ENGINE AND ENGAGE BLADE

1. Move the throttle control lever to FAST or START position.
2. Standing behind the unit, depress the blade control handle and hold it against the upper handle. Be certain the drive clutch handle is released.
3. Turn the ignition key to the right to start the engine. Release the key after engine starts.
4. After engine starts, move throttle control to desired engine speed.

TO STOP ENGINE AND BLADE

1. Release the blade control handle to stop the engine and blade.

WARNING

The blade continues to rotate for a few seconds after the engine is shut off.

2. Disconnect the spark plug wire and ground it against the engine to prevent accidenta starting while equipment is unattended.

USING YOUR ROTARY MOWER

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidently thrown by the mower in any direction and cause serious personal injury to the operator and others.

Operate a new engine at intermediate speeds and light load for the first few hours as you would a new automotive engine.

For best results, do not cut wet grass because it tends to stick to the underside of the mower, preventing proper discharge of grass clippings, and could cause you to slip and fall. New grass, thick grass or wet grass may require a narrower cut. Blade speed should be adjusted to the condition of the lawn.

The best mowing pattern is one that allows the clippings to discharge towards the uncut part of the lawn. This permits recutting of the clippings to further pulverize them. When cutting high weeds, discharge towards cut portion, then recut at right angles to first direction.

For best results, cut off one-third or less of the total length of the grass. Lawn should be cut in the fall as long as there is growth.

This mower is designed to be operated at full throttle to give you the best cut and do the most effective job of bagging the cut grass.

IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower. Extensive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

ADJUSTMENTS

WARNING

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

CUTTING HEIGHT ADJUSTMENT

An adjusting plate and thumb lever at each wheel position provides cutting height adjustment. Each adjusting plate has nine positions. Height of cut will be changed when the thumb lever is moved from one hole to another. Simply depress the lever towards wheel and move wheel and lever assembly to desired position. See figure 17.

Cutting height will be raised as the rear levers are lowered and the front levers are moved toward the front of the unit. Cutting height will be lowered as the rear levers are raised and the front levers are moved toward the rear of the unit. All wheels must be positioned at the same relative height.

For rough or uneven lawns, move the wheels to a position which will give a higher cutting height.

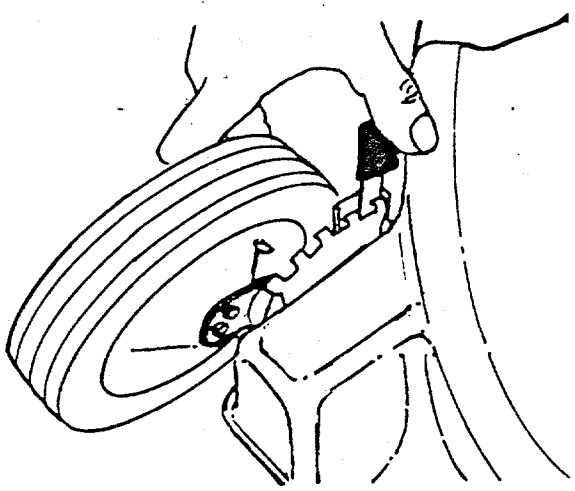


FIGURE 17.

DRIVE CLUTCH ADJUSTMENT

The drive pinions should be approximately 1/8" from the drive wheels when the clutch is disengaged (clutch handle is released). Refer to figure 12.

If there is not 1/8" of clearance, adjust the hex nuts at the cable bracket until 1/8" of clearance is obtained and the drive mechanism engages properly.

If additional adjustment is needed, unhook the cable from the clutch handle and move it to the next higher adjustment hole provided. Refer to figure 5. Then readjust the hex nuts at the cable bracket.

CHAIN ADJUSTMENT

Check for correct chain adjustment and alignment after first five to ten hours of operation. Adjust as follows:

1. Loosen (do not remove) the hex bolt on each side of the pinion pivot plate. See figure 18.

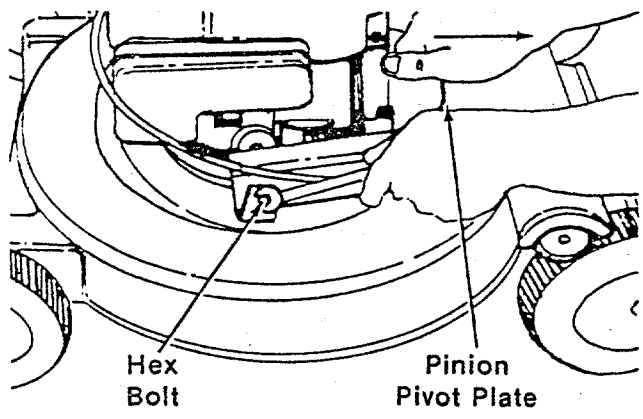


FIGURE 18.

2. Pull back on the left side of the pivot plate, by hand, until the proper chain tension is achieved. Tighten the hex bolt.
3. Pull back on the right side of the pivot plate until the clearance between the pinion and wheel is equal on both sides. Tighten the hex bolt.
4. Recheck for correct adjustment periodically.

THROTTLE

If adjustment becomes necessary, the throttle control wire assembly can be reset as follows:

1. Loosen, but do not remove, screw securing throttle control wire assembly at engine. See figure 9.
2. Move throttle control lever on handle to "FAST" position.
3. Move control lever on engine to full open position. Retighten screw to secure throttle control wire assembly.

CARBURETOR ADJUSTMENTS

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

Refer to the separate engine manual packed with your mower for carburetor adjustment information.

LUBRICATION

WARNING

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Blade Control—Lubricate the pivot points on the blade control handle and the brake cable at least once a season with light oil. The blade control must operate freely in both directions.

Chute Deflector—The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Deflector must work freely.

Wheels—Mower may be provided with ball bearing wheels. Lubricate at least once a season with light oil. Also, if the wheels are removed for any reason, lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

Engine—Follow engine manual for lubrication instructions.

Throttle—Periodically lubricate throttle control lever and throttle wire assembly with a few drops of light oil for ease of operation.

Chain—The chain should be lubricated periodically with a few drops of light oil to prevent any rust or binding. Use very little or no oil if unit is being used in a dusty or sandy area.

MAINTENANCE

NOTE

When tipping the unit, empty the fuel tank and keep engine spark plug side up.

BATTERY PACK REPLACEMENT

Remove the battery pack from the handle panel for replacement only. Do not separate the batteries for any reason. Dispose of batteries properly.

WARNING

Batteries contain sulfuric acid which may cause burns. Do not short circuit or mutilate in any way. Do not put batteries in fire. They may burst or release toxic materials.

When replacing battery pack in handle panel, battery pack must be positioned with the positive terminal to the left hand side and the negative terminal to the right hand side of panel. See figure 19.

Replacing the battery pack incorrectly will cause serious damage.

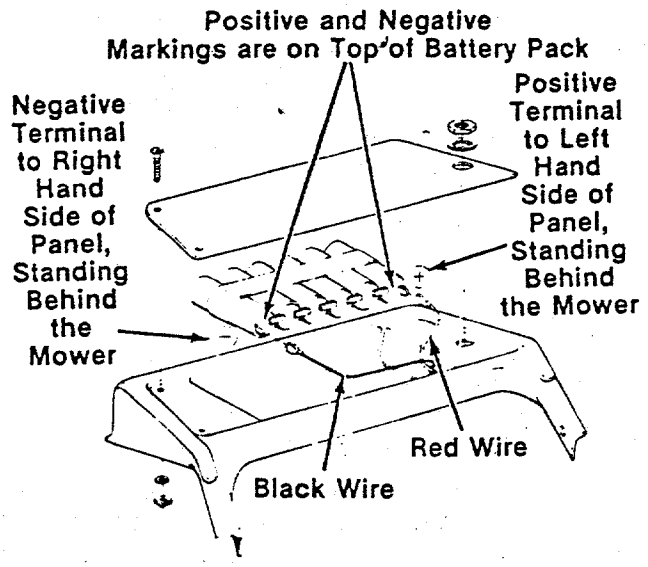


FIGURE 19.

CUTTING BLADE

A. Removal for Sharpening or Replacement

WARNING

Be sure to disconnect and ground the spark plug wire before working on the cutting blade to prevent accidental engine starting.

Remove the large bolt and lock washer which holds the blade and adapter to the engine crankshaft. Remove the blade and adapter from the crankshaft.

If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

CAUTION

Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

It is recommended that the blade always be removed from the adapter for the best test of balance. The blade can be tested by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the engine crankshaft and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, all nuts and bolts must be checked periodically for correct tightness.

To insure safe operation of your unit, all nuts and bolts must be checked periodically for correct tightness.

DECK

The underside of mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next cutting.

The deck may be cleaned by tilting the mower forward or on its side and scraping clean with a suitable tool or by washing with a stream of water from a garden hose.

NOTE

Do not direct the stream of water at a hot engine as damage to the engine may result.

ENGINE OIL

Check oil level before starting engine and after every 5 hours of operation. ADD oil as necessary to keep level to full mark on dipstick. Before removing dipstick, clean area around dipstick to prevent dirt from entering oil fill tube. Engine should be in a level position when checking oil.

Change oil after first 5 hours of operation. Thereafter change every 25 hours. Change oil while engine is warm. Oil may be drained thru oil drain on bottom of the engine. Oil capacity 1¼ pints.

AIR CLEANER

Service air cleaner every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced.

To service the air cleaner, refer to the separate engine manual packed with your unit.

SPARK PLUG

The spark plug should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specifications.

STORAGE OF THE BATTERY

The battery must be stored with a full charge. A discharged battery will freeze.

IMPORTANT

All batteries discharge during storage.

Recharge battery every two months and before returning to service. Refer to charging instructions on page 9.

OFF-SEASON STORAGE

The following steps should be taken to prepare lawn mower for storage.

1. Clean and lubricate mower thoroughly as described in the lubrication instructions.
2. Refer to engine manual for correct engine storage instructions.
3. Coat mower's cutting blade with chassis grease to prevent rusting.
4. Follow battery storage instructions above.
5. Store mower in a dry, clean 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 chains, springs, cables and all moving parts.

NOTE

The use of any accessory on this Rotary Mower other than those manufactured by the mower manufacturer is **not** recommended.

GRASS CATCHER Model C65 is available as optional equipment for the mower shown in this manual.

WARNING

1. DO NOT operate the mower without the entire grass catcher or chute deflector in place.
2. DO NOT operate the mower without the protective shield on the rear of the deck in place.

NOTE

Under normal usage bag material is subject to wear and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

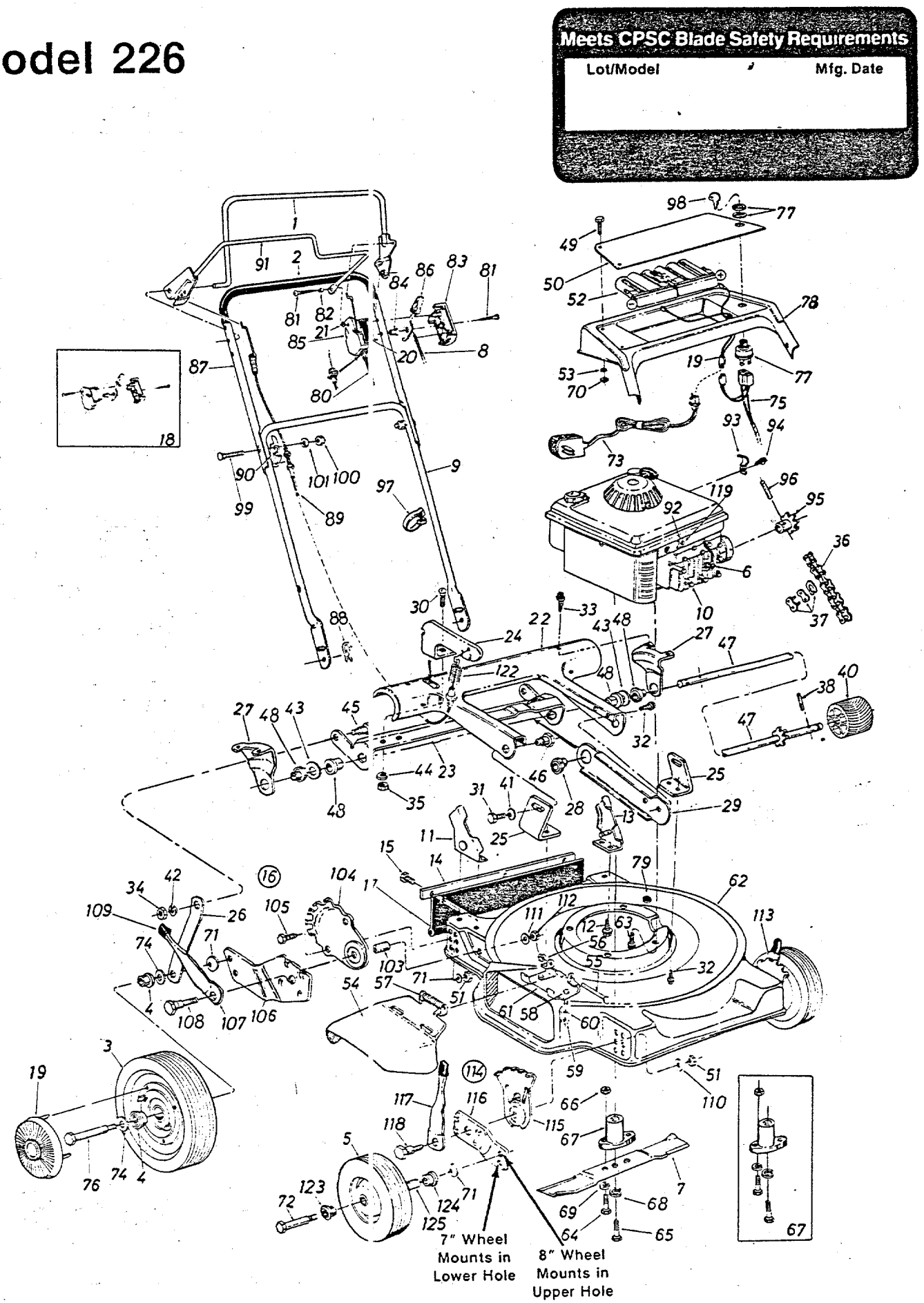
For replacement bags, use only factory authorized replacement bag No. 764-0217.

Trouble Shooting Chart

Problem	Cause	Remedy
1 Engine fails to start	A Blade control handle disengaged	A Engage blade control handle.
	B Check fuel tank for gas	B Fill tank if empty.
	C Spark plug lead wire disconnected.	C Connect lead wire.
	D Throttle control lever not in the starting position	D Move throttle lever to start position.
	E Faulty spark plug	E Spark should jump gap between control electrode and side electrode. If spark does not jump, replace the spark plug.
	F Carburetor improperly adjusted, engine flooded	F Remove spark plug, dry the plug, crank engine with plug removed, and throttle in off position. Replace spark plug and lead wire and resume starting procedures.
	G Old stale gasoline	G Drain and refill with fresh gasoline.
	H Engine brake engaged	H Follow starting procedure.
	I Discharged battery	I Refer to battery charging instructions.
2 Hard starting or loss of power	A Spark plug wire loose	A Connect and tighten spark plug wire.
	B Carburetor improperly adjusted	B Adjust carburetor. See separate engine manual.
	C Dirty air cleaner	C Clean air cleaner as described in separate engine manual.
3 Operation erratic	A Dirt in gas tank	A Remove the dirt and fill tank with fresh gas.
	B Dirty air cleaner	B Clean air cleaner as described in separate engine manual.
	C Water in fuel supply	C Drain contaminated fuel and fill tank with fresh gas.
	D Vent in gas cap plugged	D Clear vent or replace gas cap.
	E Carburetor improperly adjusted	E Adjust carburetor. See separate engine manual.
4 Occasional skip (hesitates) at high speed	A Carburetor idle speed too slow	A Adjust carburetor. See separate engine manual.
	B Spark plug gap too close	B Adjust to .030".
	C Carburetor idle mixture adjustment improperly set	C Adjust carburetor. See separate engine manual.
5 Idles poorly	A Spark plug fouled, faulty, or gap too wide	A Reset gap to .030" or replace spark plug.
	B Carburetor improperly adjusted	B Adjust carburetor. See separate engine manual.
	C Dirty air cleaner	C Clean air cleaner as described in separate engine manual.
6 Engine overheats	A Carburetor not adjusted properly	A Adjust carburetor. See separate engine manual.
	B Air flow restricted	B Remove blower housing and clean as described in separate engine manual.
	C Engine oil level low	C Fill crankcase with the proper oil.
7 Excessive vibration	A Cutting blade loose or unbalanced	A Tighten blade and adapter. Balance blade.
	B Bent cutting blade	B Replace blade.

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

Model 226


Meets CPSC Blade Safety Requirements
Lot/Model
Mfg. Date
7" Wheel Mounts in Lower Hole
8" Wheel Mounts in Upper Hole

Model 226

PARTS LIST FOR MODEL 226
ROTARY MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	14321		Control Handle Ass'y.—L.H.	
2	718-0145		Grip (Optional)	
3	734-1204		Rear Wheel Ass'y. Comp.—9 x 1.75	
4	741-0180		Flange Brg.—½" I.D.	
5	**		Front Wheel Ass'y. Comp.	
6	735-0639		Spark Plug Boot	
7	742-0125		Blade 22"	
8	746-0474		Throttle Wire—53.0"	
9	749-~~0373~~		Lower Handle SEE SUP. SP060	
10	—		Engine	
11	12936		Handle Brkt. Ass'y.—R.H.	
12	710-0603		Hex Wash. Hd. "B"-Tap Scr. 5/16-18 x .50" Lg.	
13	12935		Handle Brkt. Ass'y.—L.H.	
14	14846		Retainer Strip	
15	710-0776		Hex AB-Tap Scr. ¼ x .62" Lg.	
16	14762		R.H. Height Adj. Comp.	
	14763		L.H. Height Adj Comp. (Not Shown)	
17	731-0575		Rear Flap Ass'y.	
18	753-0360		Kit—Control Housing Comp.	
19	**		Hub Cap	
20	777-5167		Control Label	N
21	736-0931		Flat Wash. .203" I.D. x .406" O.D.	
22	16319	—462	Pinion Pivot Cover 22"	N
23	16332		Cam	N
24	16318		Engagement Arm	N
25	14759		Pivot Brkt.	
26	16005		Link 4.58 x .88	N
27	14757		Axle Brkt.	
28	741-0180		Flanged Ball Brg. .500" I.D.	
29	14877		Brg. Support	
30	710-0167		Carriage Bolt ¼-20 x .50" Lg.*	
31	710-0168		Hex Bolt 3/8-16 x .50" Lg.*	
32	710-0352		Hex "B"-Tap Scr. ¼" x .38" Lg.	
33	710-0776		Hex Wash. Hd. "AB"-Tap Scr. ¼" x .62" Lg.	
34	712-0267		Hex Nut 5/16-18 Thd.*	
35	712-0287		Hex Nut ¼-20 Thd.*	
36	713-0311		#48 Chain ½" Pitch 49 Links	
37	713-0116		#48 Master Link (Service Only)	
38	715-0246		Spring Pin Spir. 3/16" Dia. x 1.25" Lg.	
40	717-0807		Drive Pinion	
41	736-0105		Bell-Wash. .400" I.D. x .88" O.D. x .060	
42	736-0119		L-Wash. 5/16" I.D.*	
43	736-0160		Fl-Wash. .531" I.D. x .930" O.D. x .050	
44	736-0329		L-Wash. ¼" I.D.*	
45	738-0155		Shld. Bolt .437" Dia. x .162	
46	738-0529		Shld. Nut .625" Dia. x .162	
47	738-0530		Pinion Shaft w/7 Tooth Sprocket	
48	741-0484		Flange Brg. .506" I.D.	
49	710-0783		Fl-Hd. Phil. Scr. #8-32 x .38" Lg.	
50	16360		Battery Plate	N
51	712-0798		Hex Nut 3/8-16 Thd.*	
52	725-1105		Battery Pack	N
53	736-0168		External L-Wash. #8 I.D.	
54	14944		Chute Deflector Ass'y. Comp.	
55	711-0555		Pivot Pin	
56	726-0106		Cap Speed Nut ¼" Rod	
57	732-0253		Torsion Spring	
58	710-0289		Hex Bolt ¼-20 x .50" Lg.*	
59	712-0287		Hex Nut ¼-20 Thd.*	
60	736-0329		L-Wash. ¼" I.D.*	
61	11130		Hinge Plate	
62	14999	—462	22" Deck Ass'y.	
63	710-0654		Hex Wash. Hd. TT-Tap Scr. 3/8-16 x 1.0" Lg.	
64	710-0888		Hex Bolt 5/16-24 x 1.00" Lg. (Grade 5)	
65	710-0331		Hex Bolt 3/8-24 x 2.25" Lg. (Grade 5)	
66	712-0123		Hex Nut 5/16-24 Thd.	
67	753-0348		Blade Adapter Kit	
68	736-0217		L-Wash. 3/8" I.D.—H.D.	
69	736-0119		L-Wash. 5/16" I.D.*	
70	712-0142		Hex Nut #8-32 Thd.	
72	**		Front Axle Bolt	
73	725-0727		Battery Charger	
74	736-0192		Fl-Wash. .531" I.D. x .93" O.D.	
75	725-1096		Wire Harness	N
76	738-0144		Rear Axle Bolt	
77	725-0873		Ignition Switch	N
78	731-0741		Handle Panel	N
79	731-0564		Plug	
80	746-0476		Control Cable—39.0"	
81	710-0796		Truss Mach. Self-Tap Scr. #12 x 1.50" Lg.	
82	750-0649		Spacer .23" I.D.	
83	731-0523		Control Panel Half	
84	731-0524		Control Disc Pin	
85	731-0526		Clutch Panel Half	
86	731-0528		Throttle Control Lever	
87	749-~~0536~~ 0437		Upper Handle SP060	
88	714-0104		Hairpin Cotter	
89	746-0549		Clutch Cable w/Spring	N
90	16309		Cable Mtg. Brkt.	N
91	16391		Drive Control Handle	N
92	751-0333		Casing Clamp	
93	12894		Casing Clamp	
94	710-0429		Hex "B"-Tap Scr. #10 x .38"	
95	713-0308		10 Tooth Sprocket Ass'y.	
96	715-0247		Spiral Pin 3/16" Dia. x 1.00"	
97	726-0192		Cable Tie	

Model 226

PARTS LIST FOR MODEL 226 ROTARY MOWER (CONTINUED)

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
99	710-0671		Curved Hd. Carriage Bolt 5/16-18 x 1.38" Lg.	
100	712-0267		Hex Nut 5/16-18 Thd.*	
101	736-0119		L-Wash. 5/16" I.D.*	
103	750-0503		Spacer .395" I.D. x .503" O.D. x .562" Lg.	
104	14764		Index Plate	
105	710-0216		Hex Bolt 3/8-16 x .75" Lg.	
106	14765		Pivot Bar R.H.	
	14766		Pivot Bar L.H. (Not Shown)	
107	732-0417		Spring Lever	
108	738-0528		Shoulder Bolt .500" Dia. x 3.75" Lg.	
109	720-0190		Spring Lever Knob	
110	736-0356		Bell-Wash. .39 I.D. x 1.4 O.D.	
111	736-0242		Bell-Wash. .336" I.D. x .86 O.D.	
112	712-0158		Hex L-Nut 5/16-18 Thd.	
113	14579		Height Adj. Ass'y.—Comp. —L.H.	
114	14578		Height Adj. Ass'y.—Comp. —R.H.	
115	15261		Height Adj. Plate	
116	15262		Pivot Bar	
117	14832		Spring Lever Ass'y. w/Knob	
118	738-0507		Shoulder Bolt .500" Dia. x .375" Lg.	
119	710-0899		Hex Sems #10-32 x .62" Lg.	
122	732-0306		Compression Spring .47" O.D. x 1.93" Lg.	
123	**		Bearing	
124	**		Bearing	
125	**		Spacer (Used w/Ball Brgs. Only)	
—	8226-000-5		Hardware Pack	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

When ordering parts, if color or finish is important, use the appropriate color code shown. (e.g. Red Flake Finish--14005 (462).)

NOTE: The engine is not under warranty by the mower manufacturer...If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

**FRONT WHEEL CHART

Wheel Assembly (8 x 1.75)

Smooth	Waffle Tread	Twinline Tread	Bearing	Axle Bolt	Hub Caps	
734-0843	734-0894	734-0661	Plastic—741-0262	738-0102	Red	731-0124
734-0845	734-0645	734-0643	3/8" Ball—741-0267 1/2" Ball—741-0484 Spacer—750-0434	710-0427	Orange Black Gray	731-0254 731-0354 731-0355

NOTE

Specifications subject to change without notice or obligation.

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PART AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing **Engines—Gasoline**, Briggs & Stratton or Tecumseh Lauson.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA	**BIRMINGHAM**	
Auto Electric & Carburetor Co.	2625 4th Ave. S.	35233
ARKANSAS	**NORTH LITTLE ROCK**	
Sutton's Lawn Mower Shop	5301 Roundtop Drive Box 368, Rt. 4	72117
CALIFORNIA	**PORTERVILLE**	
Billious	75 North D Street	93257
COLORADO	**DENVER**	
Spitzer Industrial Products Co.	6601 N. Washington St.	80229
FLORIDA	**JACKSONVILLE**	
Radco Distributors	4909 Victor St. Box 5459	32207
	HIALEAH	
Small Eng. Dist.	7995 W. 26th Court	33016
GEORGIA	**EAST POINT**	
East Point Cycle & Key Inc.	2834 Church St.	30344
ILLINOIS	**LYONS**	
Keen Edge Co.	8615 Ogden Ave.	60534
INDIANA	**ELKHART**	
Parts & Sales Inc.	2101 Industrial Pkwy.	46516
IOWA	**DUBUQUE**	
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001
LOUISIANA	**NEW ORLEANS**	
Suhren Engine Co.	8330 Earhart Blvd.	70118
MARYLAND	**TAKOMA PARK**	
Center Supply Co.	6867 New Hampshire Ave.	20912
MASSACHUSETTS	**SPRINGFIELD**	
Morton B. Collins Co.	300 Birnie Ave.	01107
MICHIGAN	**LANSING**	
Lorenz Service Co.	2500 S. Pennsylvania	48910
	MOUNT CLEMENS	
Power Equipment Dist.	340 Hubbard	48043
MINNESOTA	**HOPKINS**	
Hance Distributing Inc.	420 Excelsior Ave. W.	55343
MISSOURI	**KANSAS CITY**	
Automotive Equip. Service	3117 Holmes St.	64109
	ST. JOSEPH	
Ross-Frazer Supply Co.	8th and Monterey	64503
	ST. LOUIS	
Henzler, Inc.	2015 Lemay Ferry Rd.	63125
NEW JERSEY	**BELLMAWR**	
Lawnmower Parts Inc.	717 Creek Rd.	08030
NEW MEXICO	**ALBUQUERQUE**	
Spitzer Eng. & Parts Co.	1023 Third Ave. N.W.	87103
NEW YORK	**CARTHAGE**	
Gamble Dist., Inc.	West End Ave.	13619
OHIO	**CARROLL**	
Stebe's Mid-State Mower Supply	Box 366, 71 High St.	43112
	CLEVELAND	
Bleckrie, Inc.	7900 Lorain Ave.	44102
	WADSWORTH	
National Central	687 Seville Rd.	44281
	YOUNGSTOWN	
Burton Supply Co.	1301 Logan Ave. Box 929	44501
OKLAHOMA	**MUSKOGEE**	
Victory Motors, Inc.	605 S. Cherokee	74401
OREGON	**PORTLAND**	
Kenton Supply Co.	8216 N. Denver Ave.	97217
PENNSYLVANIA	**HARRISBURG**	
EECO Inc.	4021 N. 6th St.	17110
	PHILADELPHIA	
Thompson Rubber Co.	5222-24 N. Fifth St.	19120
	PITTSBURGH	
Bluemont Co.	11125 Frankstown Rd.	15235
	PUNXSUTAWNEY	
Frank Roberts & Sons	R.D. 2	15767
	SCRANTON	
Scranton Auto Ignition Co.	1133-35 Wyoming Ave.	18509
TENNESSEE	**KNOXVILLE**	
Master Repair Service	2000 Western Ave.	37921
	MEMPHIS	
American Sales & Service, Inc.	3035-43 Bellbrook	381
TEXAS	**DALLAS**	
Marr Brothers, Inc.	423 E. Jefferson	75203
	FORT WORTH	
Woodson Sales Corp.	6733 Baker Blvd. Hwy. 10	76118
	HOUSTON	
Bullard Supply Co.	2409 Commerce St.	77003
	SAN ANTONIO	
Engine House Inc.	8610 Botts Lane P.O. Box 17867	78217
UTAH	**BOUNTIFUL**	
Powered Products	485 N 500 W.	84010
VIRGINIA	**ASHLAND**	
RBI Corp.	101 Cedar Ridge Dr.	23005
WASHINGTON	**SEATTLE**	
Equip. Northwest	1410 14th Ave.	98122
WISCONSIN	**CHILTON**	
Horst Dist. Inc.	444 N. Madison St.	53014
NORTH CAROLINA	**GOLDSBORO**	
Smith Hardware Co.	515 N. George St.	27530
	GREENSBORO	
Dixie Sales Company	335 N. Green	27402

WARRANTY PARTS AND SERVICE POLICY (0484)

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.