

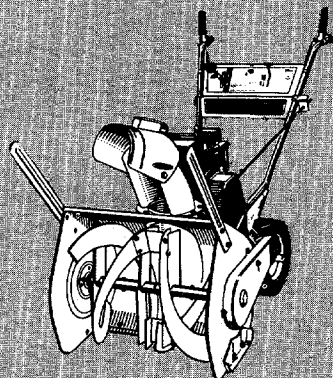
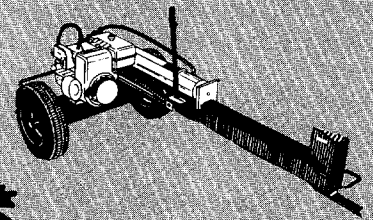
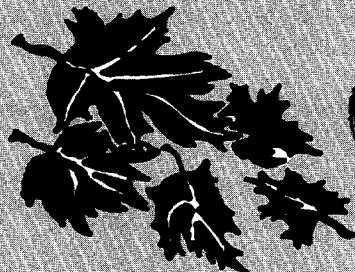
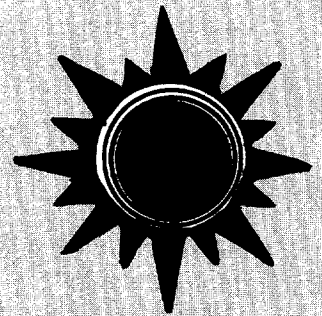
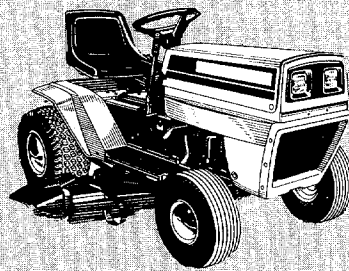
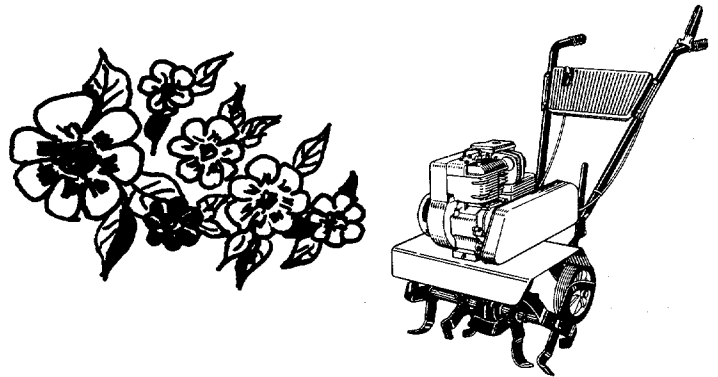
OWNER'S MANUAL

22" REAR DISCHARGE SELF- PROPELLED MOWERS

Model Numbers
121-342A
121-343A
121-342-300

Important:
Read Safety Rules and
Instructions Carefully

Thank you for purchasing an
American built product.



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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.



TO PURCHASERS OF INTERNAL COMBUSTION ENGINE EQUIPPED MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.



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. It is suggested that this manual be read in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future 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. Read this Owner's Manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
4. 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.
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, a small object may have been overlooked and could be accidentally thrown by the mower in any direction and cause injury.

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 injury.
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. Never attempt to make a wheel or cutting height adjustment while the engine is running.
7. Mow only in daylight or in good artificial light.
8. Never operate the equipment in wet grass. Always be sure of your footing. 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. Stop the engine whenever you leave the mower, before cleaning the mower housing, and when making any repairs or inspections.
7. When 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 plug to prevent accidental starting.
8. Before attempting to unclog the mower or discharge chute, stop the engine and be sure the blade has stopped completely. 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. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
9. Do not run the engine indoors.
10. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging chute.
11. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
12. Always disconnect electric mowers (line operated) before cleaning, repairing or adjusting.
13. Never operate mower without proper guards, plates or other safety protective devices in place.
14. Keep washout ports and other mower-housing service openings closed when mowing.
15. **DO NOT OPERATE** this mower with the chute doors open, unless the complete grass catcher is properly mounted on the mower.

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.

ASSEMBLY INSTRUCTIONS

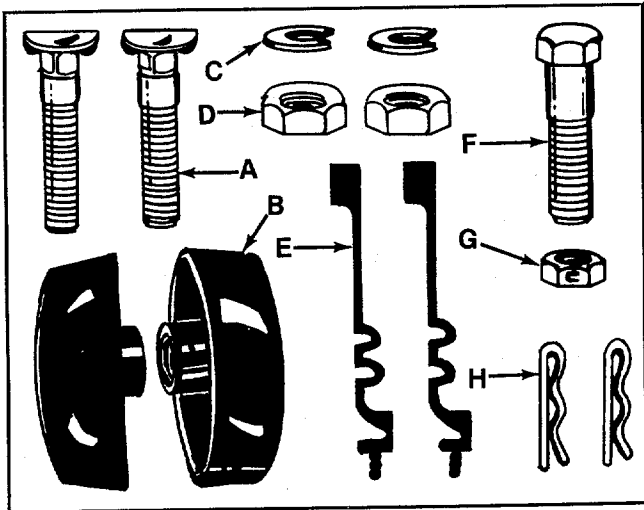


FIGURE 1.

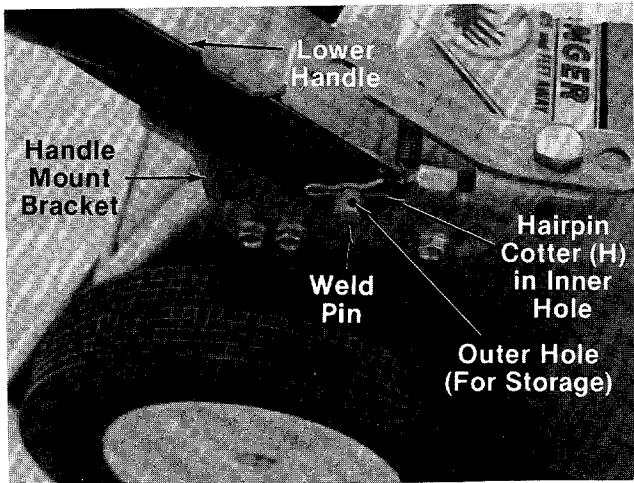


FIGURE 2.

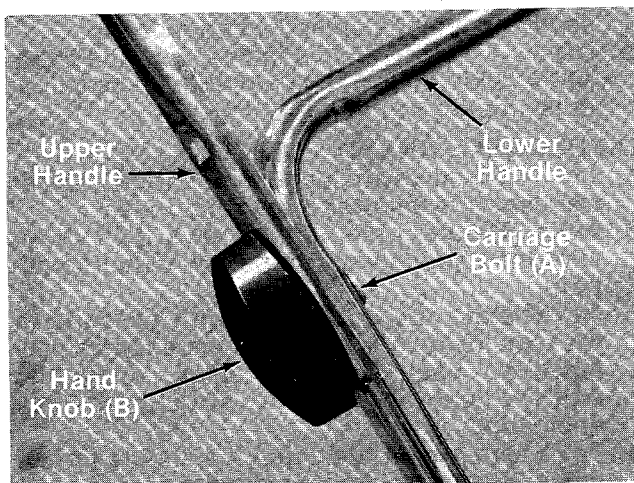


FIGURE 3. Folding Handle Only

NOTE

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

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 throttle control which is attached to the engine at the rear of the mower and place on the floor. Be careful not to bend or kink control wire.

Contents of hardware pack: (See Figure 1)

- A (2) Curved Head Carriage Bolts
- B (2) Hand Knobs (Folding Handle Only)
- C (2) Lock Washers 5/16" I.D. (Non-Folding Handle Only)
- D (2) Hex Nuts 5/16-18 Thread (Non-Folding Handle Only)
- E (2) Cable Ties
- F (1) Hex Bolt 1/4-20 x 1.50" Long
- G (1) Hex Lock Nut 1/4-20 Thread
- H (2) Hairpin Cotters

3. Fasten lower handle in position over weld pins in handle mount brackets on deck. Secure with hairpin cotters (H) in inner hole on weld pin. See figure 2.

NOTE

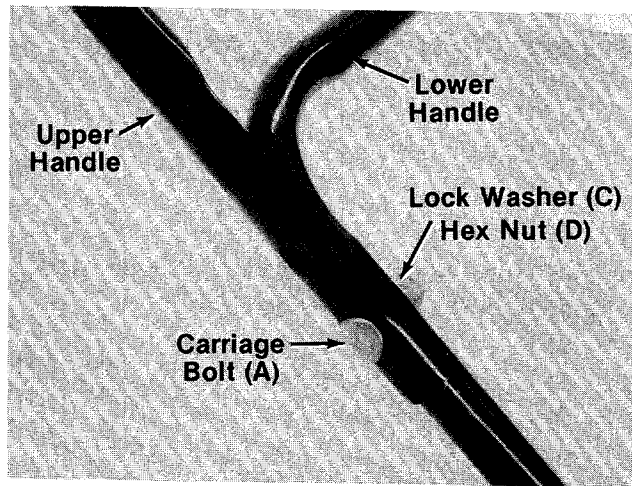
There are two (2) holes in the handle mount brackets. Place the hairpin cotter in the inner hole for operation. Outer hole is for storage.

NOTE

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

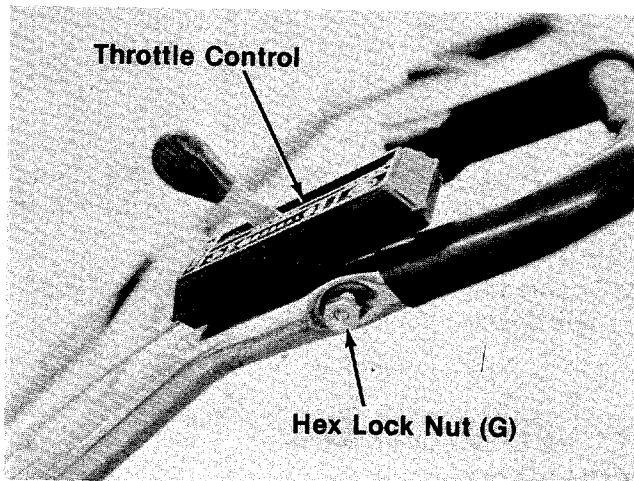
4. There are two height positions for the handle. Place upper handle (with the clutch control attached) in position over lower handle, selecting hole for either high or low position. Refer to figure 13.

- A. Units with Folding Handle—Secure upper handle with two curved carriage bolts (A) and hand knobs (B) as shown in figure 3. The knobs may be assembled either to the inside or the outside of the handle.



← **B. Units with Non-Folding Handle**—Secure upper handle with two curved carriage bolts (A), lock washers (C) and hex nuts (D). See figure 4.

FIGURE 4. Non-Folding Handle Only

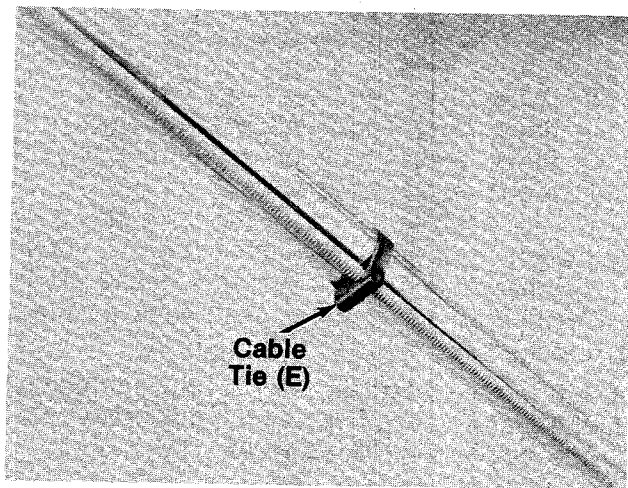


← 5. Place the throttle control in position on left side of upper handle. Secure with hex bolt (F) and lock nut (G). See figure 5.

NOTE

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

FIGURE 5.



← 6. Secure throttle and clutch control wires to upper and lower handles with cable ties (E). See figure 6.

7. Check ALL nuts and bolts for correct tightness.

FIGURE 6.

Grass Catcher Assembly

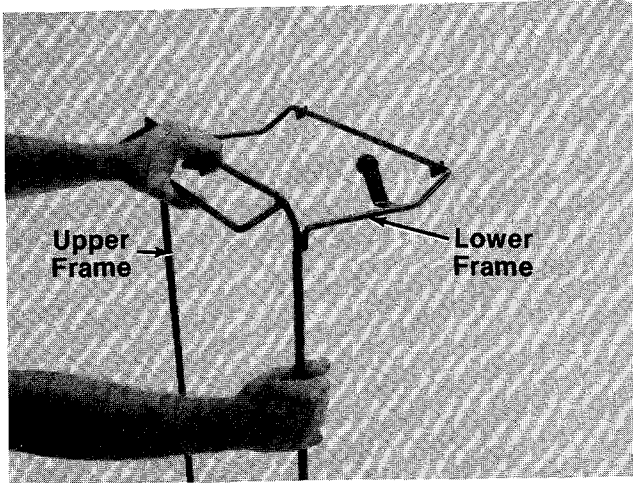


FIGURE 7.

- ← 1. Join the upper frame and lower frame assembly as shown in figure 7.

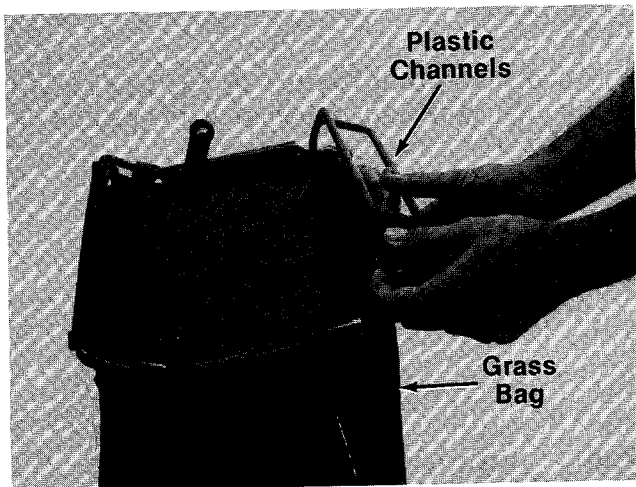


FIGURE 8.

2. Place bag over frame (black plastic side is the bottom of bag). Upper frame goes to the top of bag.
- ← 3. Secure bag to frame by slipping plastic channels on bag over frame. See figure 8.

TO ATTACH BAG TO MOWER



WARNING

DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.

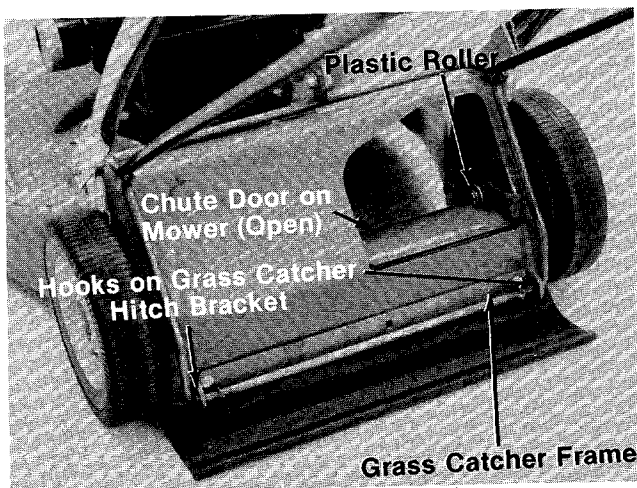


FIGURE 9.

- ← 1. Attach the grass catcher frame to grass catcher hitch bracket on rear of the mower by hooking grass catcher into hooks on grass catcher hitch bracket. See figure 9.
2. Lift the rear of grass catcher up. The roller on the grass catcher will push the chute door on the mower open. See figure 9.



NOTE

Figure 9 is shown with the chute door open for photo clarity only.

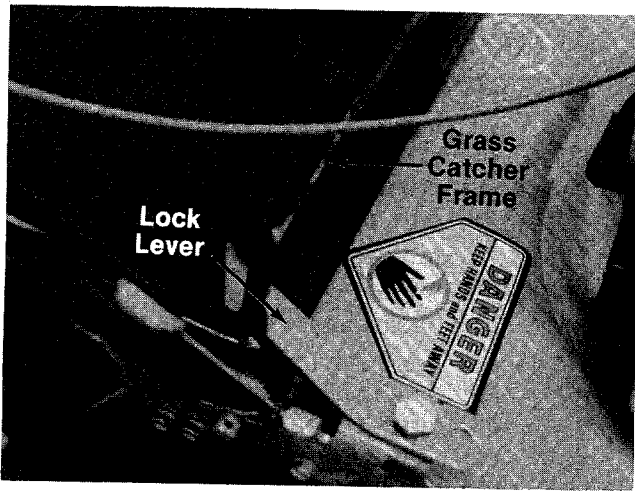


FIGURE 10.

The grass catcher frame will snap into place, secured by the lock lever. See figure 10.

To remove the grass catcher, unhook the lock lever and slip the grass catcher off the unit. See figure 10.

CONTROLS

THROTTLE CONTROL

The throttle control is located on the left side of the handle. It is used to regulate the engine speed and to stop the engine. See figure 11.

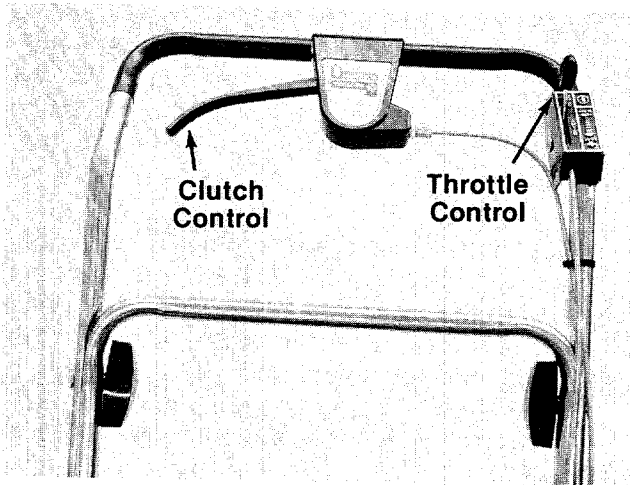


FIGURE 11.

CLUTCH CONTROL

Squeezing the clutch control engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figures 11, 12 and 13.



WARNING

The blade continues to rotate when the clutch is released.



FIGURE 12.

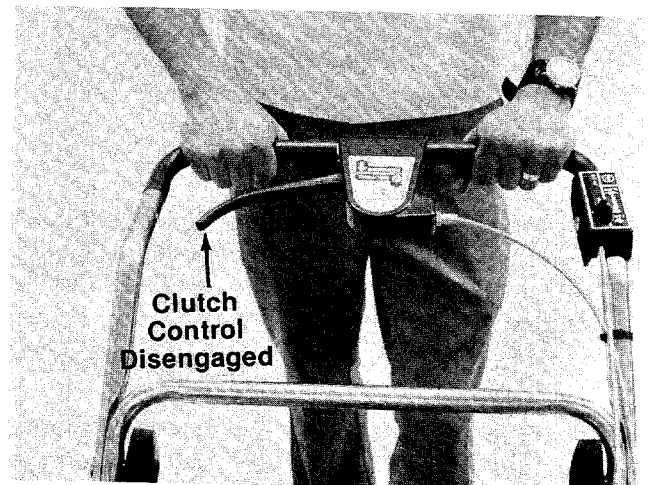


FIGURE 13.

OPERATION

DO NOT OPERATE THIS MOWER WITH THE CHUTE DOOR OPEN, UNLESS THE COMPLETE GRASSCATCHER IS PROPERLY MOUNTED ON THE MOWER.



FIGURE 14.

Keep hands and feet away from the chute area on cutting deck. See figure 14.

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 adjustment section.

1. Fill sump with oil, using a high quality detergent oil classified "For Service SC, SD, SE or MS." Nothing should be added to the recommended oil.

Use SAE 30 oil. If not available, use SAE 10W-30 oil.

Place the engine level. Remove oil fill plug or dipstick. Fill the oil sump full to point of overflowing or to full mark on dipstick. Pour slowly. Capacity 1¼ pints.

2. Fill fuel tank, using clean, fresh, leaded **regular** grade automotive gasoline. Fill tank completely!

DO NOT MIX OIL WITH GASOLINE.

3. Before each use, check for proper clutch operation by performing the following before starting the engine:

With the clutch control released, push mower forward. It should move freely.

Pull mower backward. It should move freely.

If it does not and the rear wheels tend to lock up, the clutch may not be releasing completely. Do not attempt to start the engine until corrections have been made. Check the control cable for severe bend, kinks and binding, and grass build-up in the pulley groove. Be certain the cable housing is secure in the socket on the belt cover.

Correct and adjust as required. See adjustment section. Test again.

4. Check to see that the handle is in the operating detent in the brackets on the deck, and the upstop projections restrict the handle from moving up and forward. If necessary, remove the left side from the mounting pin on the deck bracket. Push inward to decrease the spacing between the two sides of the handle until it is slightly less than the spacing of the deck brackets. Reinstall over the mounting pin and secure the hairpin cotter in the inner holes.

5. When ready to start engine, place throttle control lever on handle in "START" position and start engine in accordance with instructions in engine manual. After engine starts, move throttle control lever on handle to desired engine speed. The engine is stopped by placing control lever on handle in the "STOP" position.

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

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.



WARNING

Unless the entire grass catcher is correctly positioned on the mower, do not open the discharge chute door when the engine is running.

USING YOUR ROTARY MOWER

For the best results, do not cut wet grass because it tends to stick to the underside of the mower, preventing proper bagging of grass clippings. If wet grass must be cut, reduce walking speed.

New grass, thick grass or wet grass may require a narrower cut. Blade speed should be adjusted to the condition of the lawn.

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.

ADJUSTMENTS



CAUTION

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

CUTTING HEIGHT

An adjusting plate and thumb lever at each wheel position provides cutting height adjustment. Each adjusting plate has five holes. 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 15.

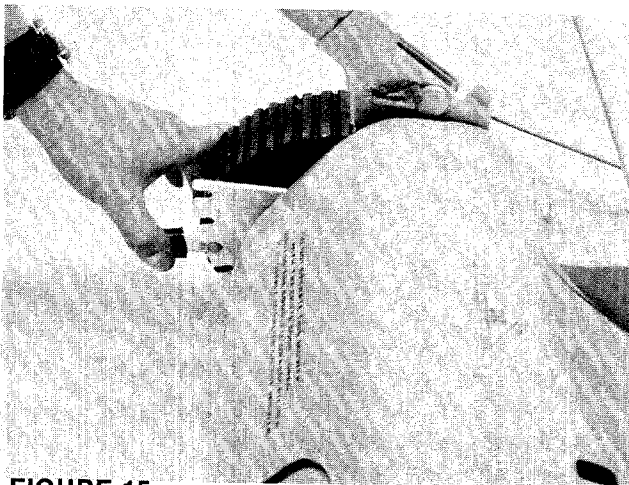


FIGURE 15.

Cutting height will be raised as front and rear levers are lowered. Cutting height will be lowered

as front and rear levers are raised. All wheels must be placed in the same relative position.

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

CLUTCH CONTROL ADJUSTMENT

1. To increase belt tension, loosen jam nut and back off two or three threads. Thread the barrel nut on end of control cable outward two or three threads. Retighten jam nut. See figure 16.
2. To decrease belt tension, loosen jam nut and back off two or three threads. Thread the barrel nut on end of control cable inward two or three threads. Retighten jam nut. See figure 16.

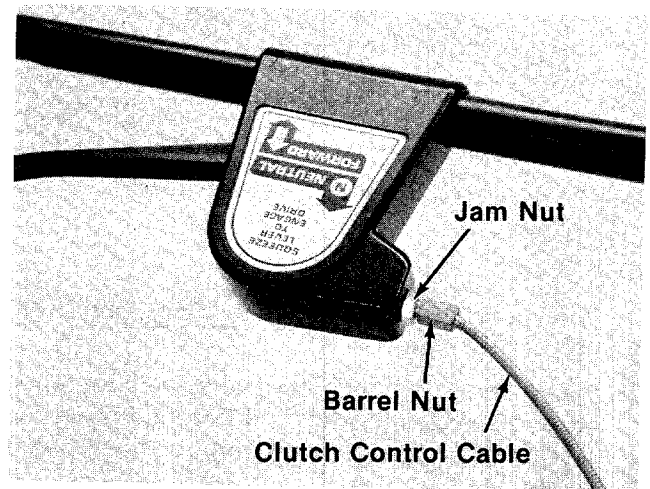


FIGURE 16.

HANDLE POSITION

The upper handle can be adjusted to a high or low position. The adjustment is made by removing the two knobs or hex nuts and lock washers, removing the two curved carriage bolts and reassembling in the other position. See figure 17.

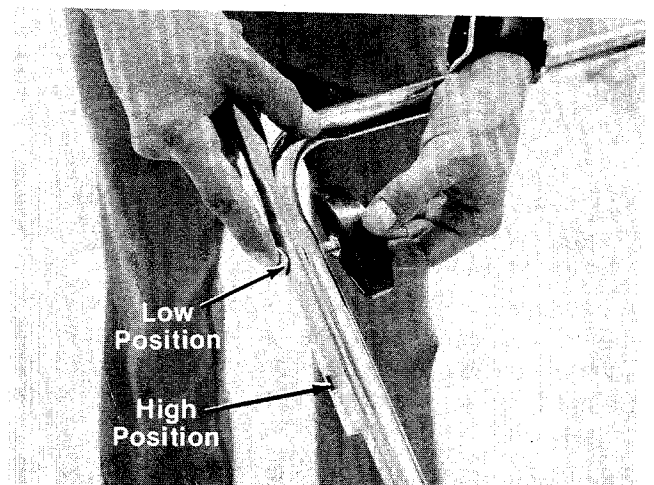


FIGURE 17.

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 18.

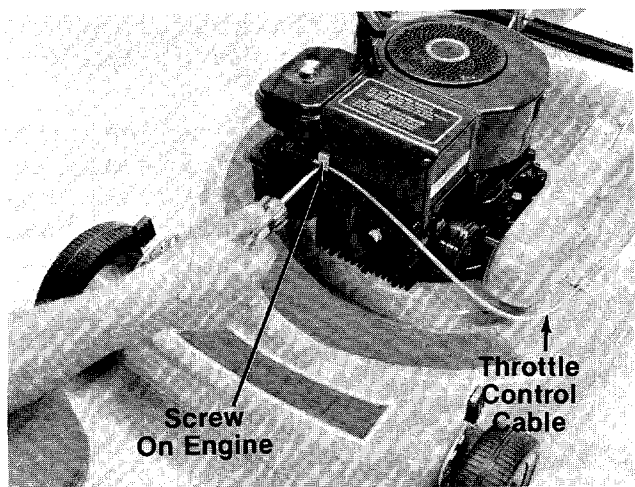


FIGURE 18.

2. Move throttle control lever on handle to "FAST" position.
3. Move lever, to which control wire is fastened at engine, to full open position and 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), disengage all clutches and blades. 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.

All carburetor adjustments should be made with the air cleaner on engine. Air cleaner mounting screw must be in carburetor when engine is run. Best adjustment is made with a fuel tank half full of gasoline.

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

LUBRICATION



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

Wheels—Front wheels may have optional ball bearings that require periodic lubrication. Place a few drops of light oil on each bearing at the start of each mowing season and again every 30 days. Rear wheel bearings are of self-lubricating For-tiflex. They require no lubrication.

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—To lubricate the chain, remove the master link and chain. Soak the chain in kerosene or a solvent, and let it air dry. Wipe the chain with a rag saturated with SAE 30 oil. Reassemble the chain to the sprockets. Closed end of the master link clip should face in direction of chain travel.

If the rotary mower is operated in a sandy area, the chain should not be lubricated. Excessive oil on a chain will collect dirt and cause excessive wear on the chain and sprockets.

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

MAINTENANCE

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.

1. Remove the large bolt and lock washer which holds the blade and adapter to the engine crankshaft. See figure 19.

- Remove the blade and adapter from the crankshaft. Be careful not to lose the key on 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.

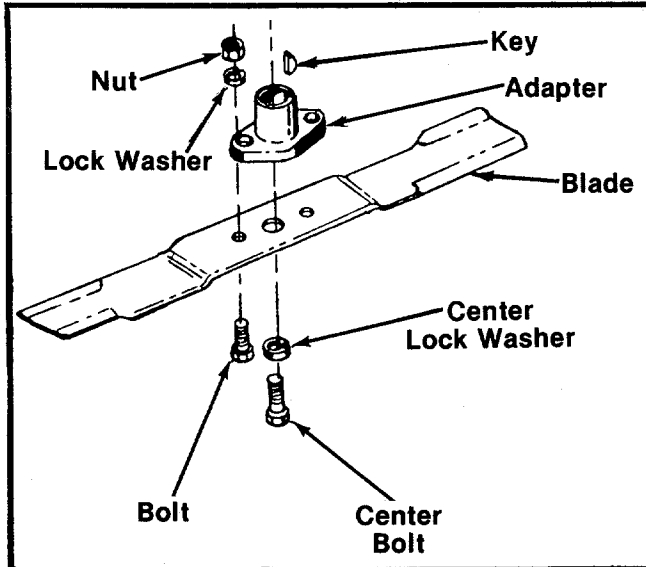


FIGURE 19.

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.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly. See figure 20.

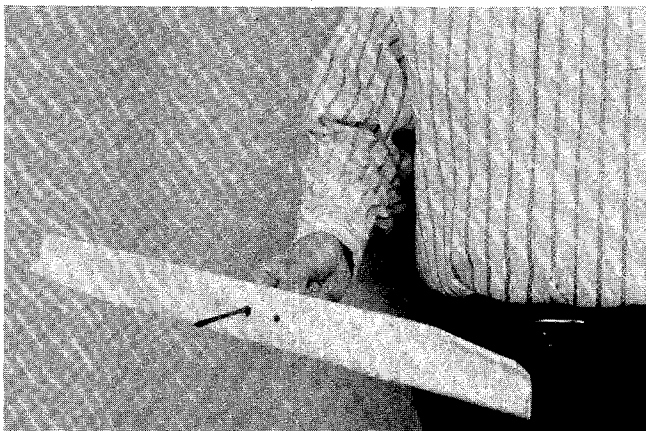


FIGURE 20.



It is recommended that the blade always be removed from the adapter for the best test of balance.

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. Make certain key is in place on the crankshaft.

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.

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.

Pay particular attention to the area of the rear baffle and chain. Grass may accumulate in this area and must be cleaned out periodically to prevent possible problems with the clutch engagement.

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.



CAUTION

Do not direct the stream of water at a hot engine as damage to the engine may result. Be sure spark plug wire is disconnected.

ENGINE OIL

Check oil level before starting engine and after every 5 hours of operation. ADD oil as necessary to keep level full to point of overflowing or to full mark on dipstick. Before removing oil fill plug or dipstick, clean area around opening to prevent dirt from entering oil fill hole. 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 drain on bottom of engine. To drain completely, always place engine level when draining thru the bottom. Oil capacity 1-1/4 pints. See figure 21.

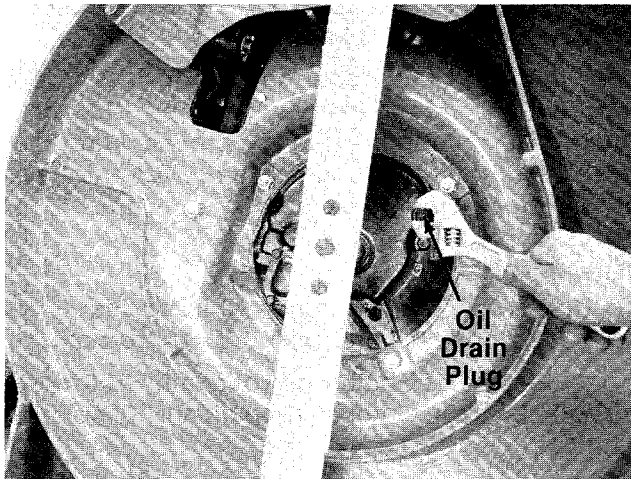


FIGURE 21.

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.

BELT REMOVAL AND REPLACEMENT

1. Remove the spark plug wire and ground it.
2. Drain the fuel tank or place a piece of plastic film beneath the cap to prevent gasoline leakage.
3. Remove the three screws holding the cable clip and belt guard (and idler assembly). See figures 22 and 23.

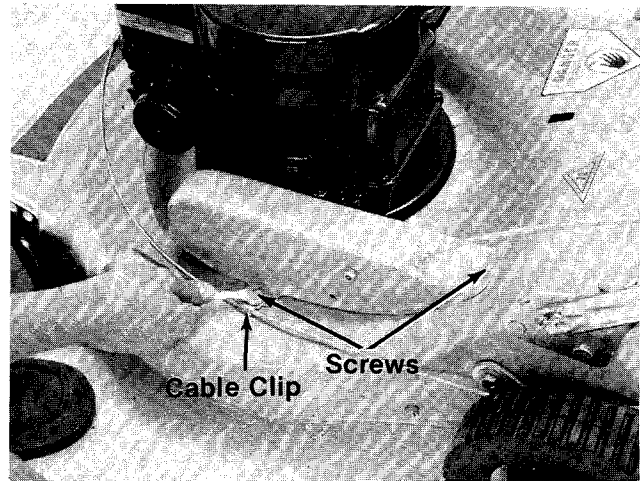


FIGURE 22.

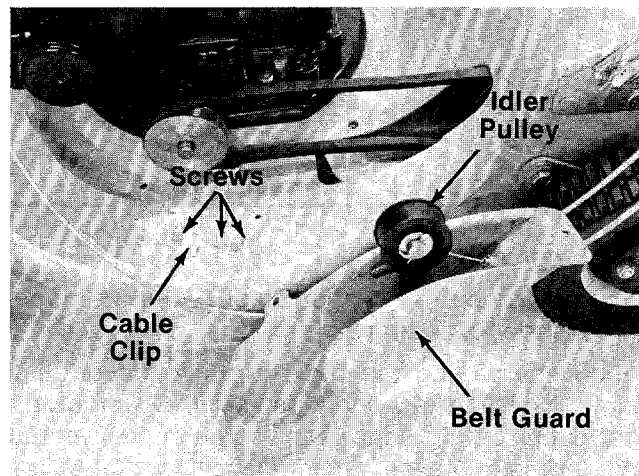


FIGURE 23.

4. Remove the belt from the idler as you lift off the belt guard.
5. Remove hex nut and lock washer from height adjustment lever on left side of mower as shown in figure 24.



FIGURE 24.

6. Place the mower on its side.



Make sure that the mower is secure and cannot tip over.

7. Remove two screws, nuts and lock washers. Remove one hex nut and lock washer from cover plate. See figure 25.

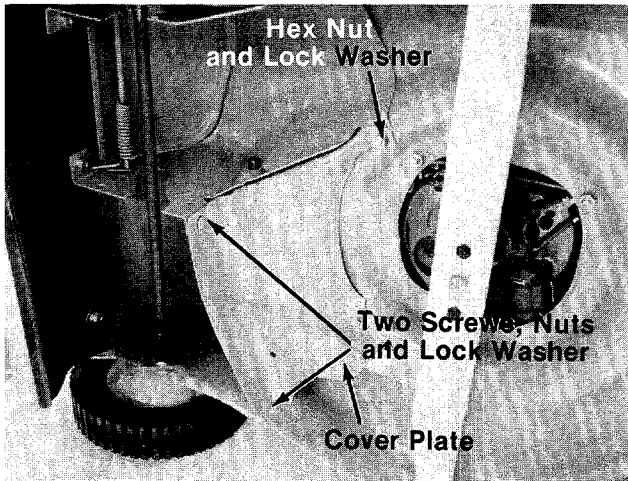


FIGURE 25.

8. Remove the cover plate. See figure 26.

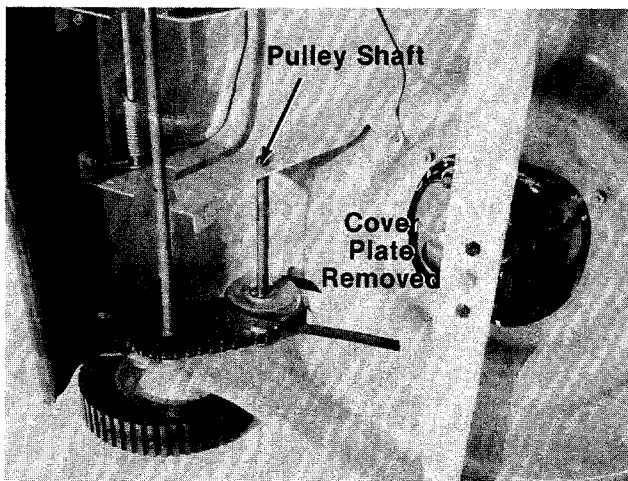


FIGURE 26.

9. Remove the master link from the chain. See figure 27.

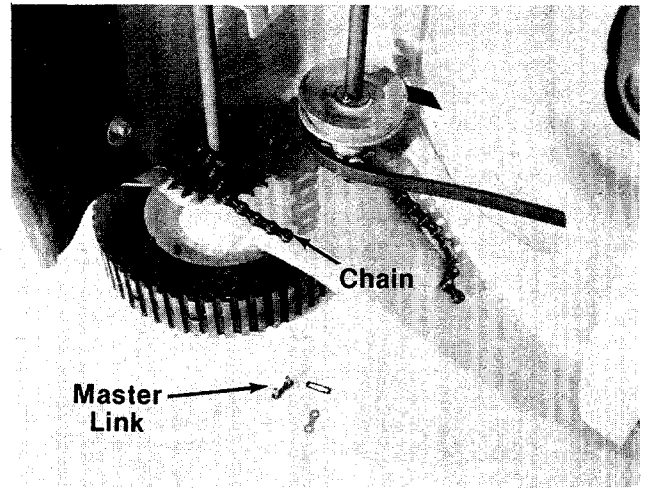


FIGURE 27.

10. Remove the chain, pulley shaft and belt. See figure 28.

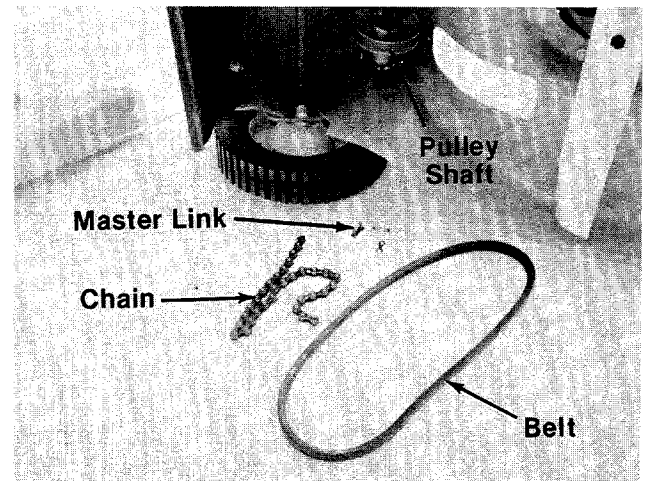


FIGURE 28.

11. Reassemble in reverse order with the new belt, making certain the idler pulley is under the belt. See figure 29.



When reinstalling the chain, be sure the closed end of the master link clip faces in the direction of chain travel.

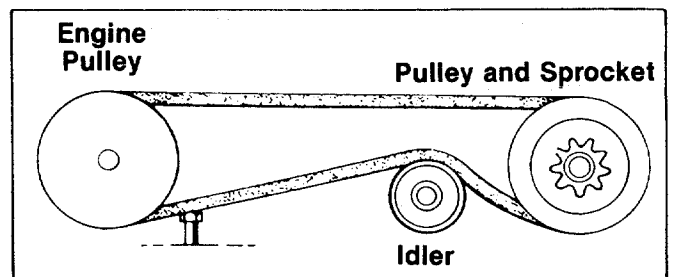


FIGURE 29.

HANDLE STORAGE

The handle can be stored in an upright position to take less space. See figure 30. Move hairpin cotters to outer hole on weld pins (see figure 2). Grasp the lower handle at the bottom and pull apart slightly. Tip the handle forward. It will lock in this position. Reverse this procedure to place the handle in the operating position.

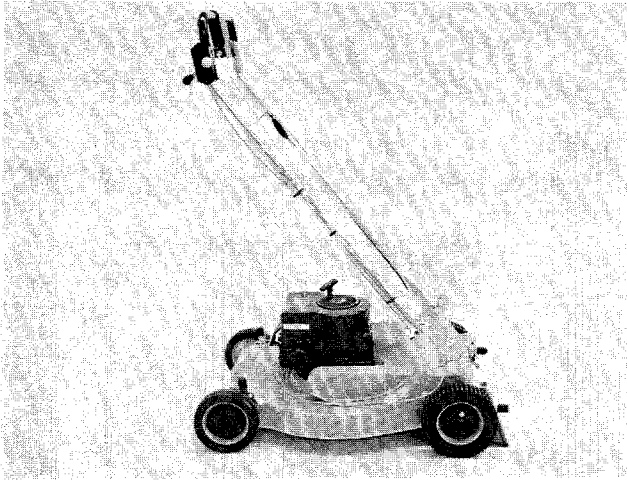


FIGURE 30.

On units with folding handles, the handle may be folded away completely for storage. See figures 30, 31, and 32.

1. Remove hairpin cotters from inner hole on weld pins on handle mount brackets. Place in outer hole. See figure 2.
2. Loosen the hand knobs on each side of the handle.
3. Press outward on the bottom of each side of the lower handle, and push forward.
4. Fold the upper handle back and down as shown.

To take the handle out of storage position, proceed as follows.

1. Lift the upper handle up and towards the rear as shown.
2. Pull the handle back until it locks into the operator's position.
3. Tighten the two hand knobs securely.
4. Move the hairpin cotters to the inner hole on the weld pins.

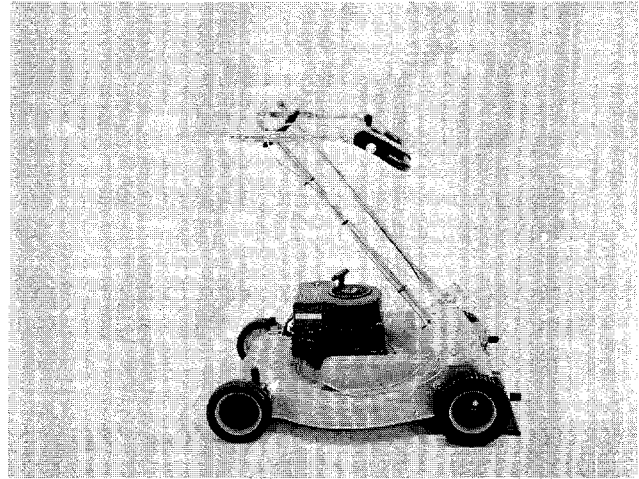


FIGURE 31.

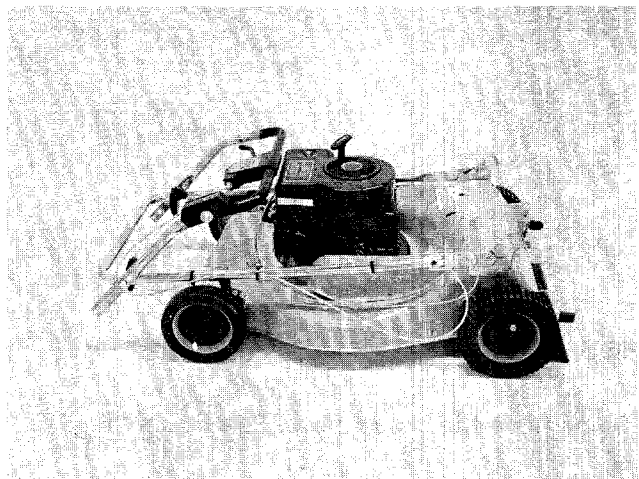


FIGURE 32.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following procedures are recommended:

1. Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank. Then run the engine until all fuel in the carburetor is exhausted.



Do not drain fuel while smoking, or if near an open fire.

2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm). Refill the crankcase with clean, new oil.
3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about 2 or 3 tablespoons of engine oil into the

cylinder. Turn the engine over several times to spread out the oil. Replace the spark plug, but do not connect the wire.

4. Clean the engine and the entire mower thoroughly.
5. Lubricate all lubrication points.



NOTE

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



WARNING

DO NOT operate the mower with the chute doors open unless the complete grass catcher is properly mounted on the mower.



WARNING

The mower shall not be operated without the protective shield on the rear of the mower in place.



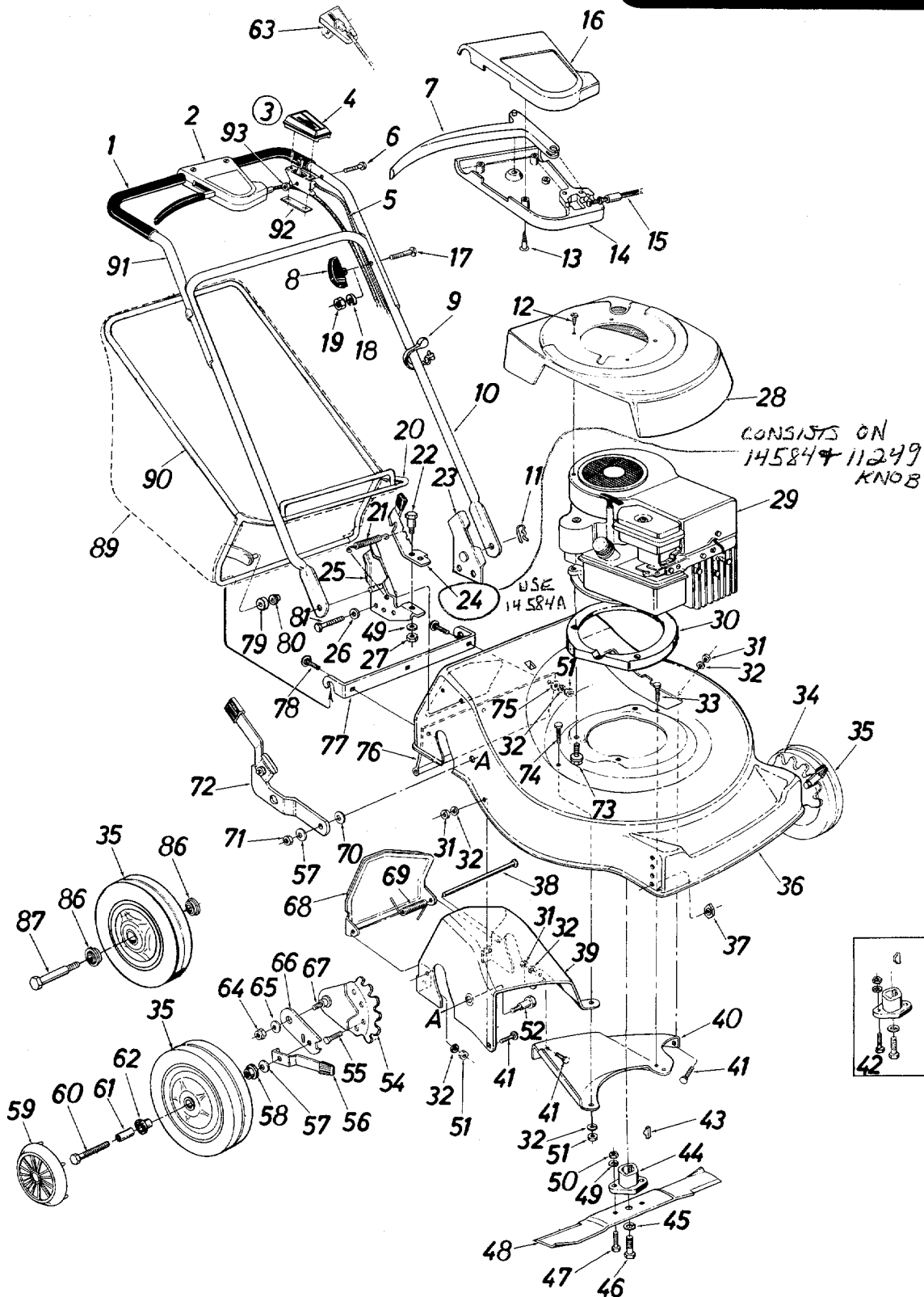
NOTE

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. 764-0171.

Models 342 and 343

IF YOU WRITE TO US ABOUT THIS ARTICLE
OR IF YOU ORDER REPLACEMENT PARTS AL-
WAYS MENTION THIS MODEL & SERIAL NO
MODEL



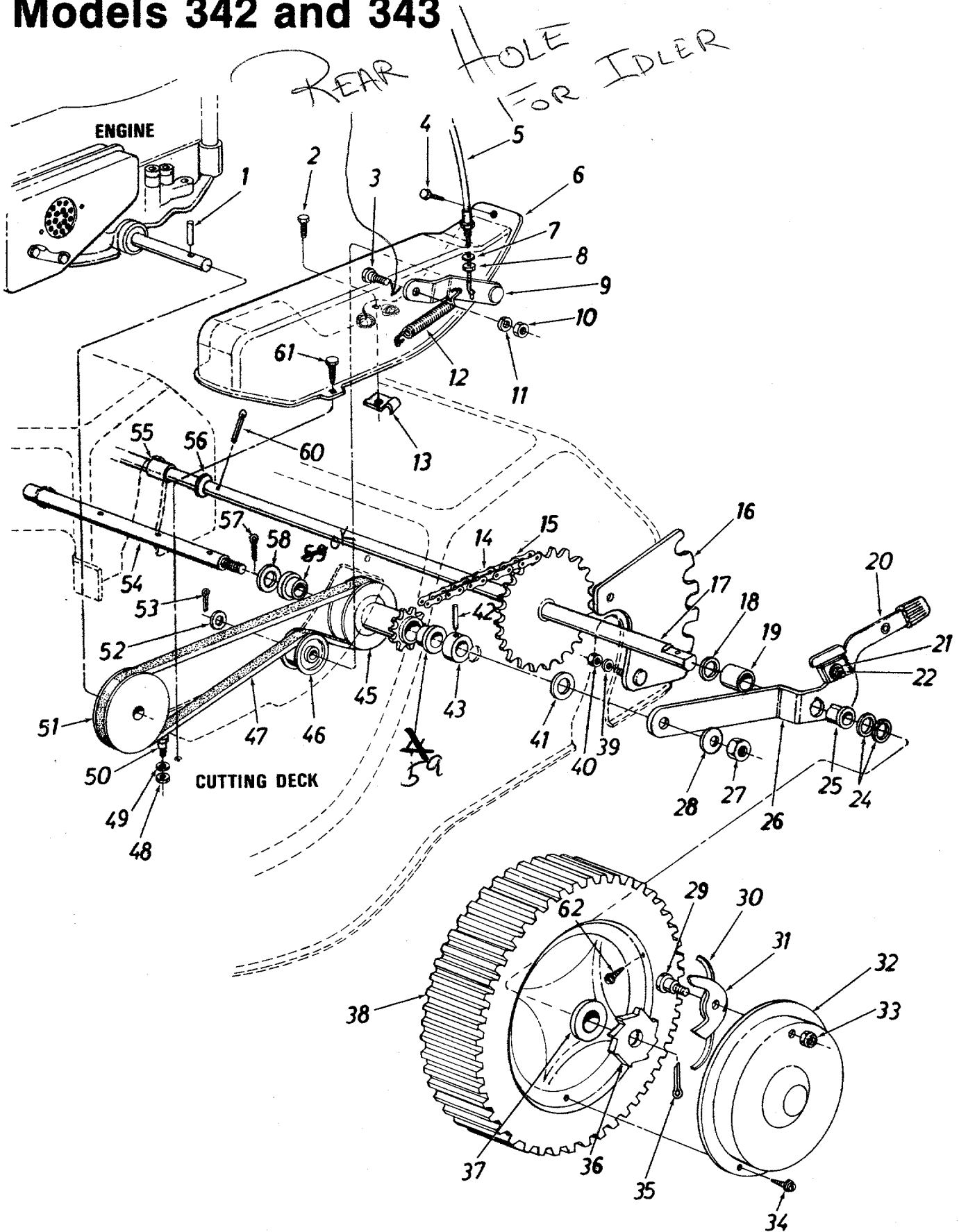
Models 342 and 343

PARTS LIST FOR MODELS 342 AND 343 ROTARY MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	718-0145		Grip†		42	10769		Blade Adapter Kit	
2	13417		Clutch Control Ass'y. Comp.		43	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.	
3	746-0376		Throttle Control Ass'y. Comp.†		44	10769		Blade Adapter Kit	
4	731-0344		Plastic Cover†		45	736-0217		L-Wash. 3/8" I.D. Heavy Duty	
5	746-0377		Conduit and Wire†		46	710-0459		Hex Bolt 3/8-24 x 1.50" Lg. (Grade 5)	
6	710-0606		Hex Bolt 1/4-20 x 1.50" Lg.*		47	710-0117		Hex Bolt 5/16-24 x 1.00" Lg. (Grade 5)	
7	731-0406		Lever—Clutch Control		48	742-0125		22" Blade	
8	09966		Hand Knob†		49	736-0119		L-Wash. 5/16" I.D.*	
9	726-0192		Plastic Cable Tie		50	712-0123		Hex Nut 5/16-24 Thd.*	
10	749-0375		Lower Handle—Chrome†	N	51	712-0287		Hex Nut 1/4-20 Thd.*	
	749-0504		Lower Handle Painted†		52	738-0430		Shld. Bolt .50" Dia. x .685" Lg.	
11	714-0104		Hairpin Cotter 5/16" Dia.		54	12323		Index Plate	
12	710-0227		Hex Wash. Hd. Self-Tap Scr. #8 x .38" Lg.†		55	710-0209		Hex Sems Bolt 3/8-16 x .62" Lg.	
13	710-0535		Slotted Oval Self-Tap Scr.		56	10531		Spring Lever Ass'y. w/Knob	
14	731-0408		Rear Control Cover		57	736-0105		Belleville Wash. 3/8" I.D.	
15	746-0308		Clutch Control Cable 58" Lg.		58	741-0267		Flange Ball Brg. 3/8" I.D.†	
16	731-0407		Front Control Cover		59	731-0124		Hub Cap—Front Wheel (Red)†	
17	710-0405		Curved Hd. Carriage Bolt 5/16-18 x 1.75" Lg. (Used w/Hand Knob)		60	710-0427		Hex Bolt 3/8-16 x 2.00" Lg.†	
	710-0671		Curved Hd. Carriage Bolt 5/16-18 x 1.38" Lg. (Used w/Hex Nut)		61	750-0434		Split Tubing†	
18	736-0119		L-Wash. 5/16" I.D.*†		62	741-0484		Flange Ball Brg. 1/2" I.D.†	
19	712-0267		Hex Nut 5/16-18 Thd.*†		63	746-0317		Throttle Control Ass'y. Comp. (Slider)†	
20	14582		Grass Catcher Lower Frame	N	64	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
21	732-0357		Extension Spring	N	65	736-0255		Bell-Wash. .50" I.D. x 1.14" O.D. x .029	
22	738-0155		Shoulder Bolt		66	10619		Pivot Bar	
23	12297		Handle Mount Brkt. Ass'y.—L.H.	N	67	738-0269		Shoulder Bolt (3/8-16 Thd.)	
24	14845		Grass Catcher Lock Lever		68	13407	-452	Chute Door	
25	14592		Handle Mount Brkt. Ass'y.—R.H.	N	69	732-0346		Torsion Spring	
26	736-0142		FI-Wash. .281" I.D. x .50" O.D. x .063		70	736-0219		Bell-Wash. .440 I.D.	
27	712-0267		Hex Nut 5/16-18 Thd.*		71	712-0342		Hex Jam Nut 3/8-16 Thd.	
28	731-0303		Engine Shroud†		72	10639		Pivot Brkt. Ass'y.—R.H.	
29	—		Engine		73	710-0654		Hex Wash. Hd. Self-Tap Scr. 3/8-16 x .88" Lg.	
30	13773	-462	Engine Mount Cover Plate		74	710-0258		Hex Bolt 1/4-20 x .62" Lg.*	
31	712-0271		Hex Sems Nut 1/4-20 Thd.*		75	736-0211		FI-Wash. .285" I.D. x 1.25" O.D. x .060 Thk.	
32	736-0329		L-Wash. 1/4" I.D.*		76	731-0449		Rear Flap Ass'y.	
33	710-0642		Hex Wash. Hd. Self-Tap Scr. 1/4-20 x .75" Lg.		77	14012	-452	Grass Catcher Hitch Brkt.	
34	12321		Height Adj. Ass'y.—L.H.		78	710-0703		Carriage Bolt 1/4-20 x .75" Lg.*	
	12322		Height Adj. Ass'y.—R.H. (Not Shown)		79	731-0430		Plastic Roller	
35	734-0845		Wheel Ass'y. Comp.—Front 8.0 x 1.75 (Ball Bearing)†		80	726-0100		Push Cap 3/8" Rod	
	734-0894		Wheel Ass'y. Comp.—Front 8 x 1.75 (Fortiflex Bearing)†		81	710-0776		Hex Wash. Hd. Self-Tap Scr. 1/4-20 x .62" Lg.	
36	14005	-462	22" Deck Ass'y.		86	741-0262		Fortiflex Bearing†	
37	712-0297		Oval Nut 3/8-16 Thd. (Special)		87	738-0102		Shoulder Bolt†	
38	738-0386		Hinge Pin .250" Dia. x 7.25" Lg.		89	764-0171		Grass Bag	
39	14235	-462	Rear Chute Ass'y. (Includes Ref. No.'s 38, 53, 68, & 69)		90	749-0278		Grass Catcher Upper Frame	
40	14014	-462	Rear Chute Baffle—L.H.		91	749-0377		Upper Handle—Chrome†	
41	710-0167		Carriage Bolt 1/4-20 x .50" Lg.*			749-0496		Upper Handle—Painted†	
					92	726-0134		Speed Nut #8-32 Twin Type	
					93	712-0107		Hex Cent. L-Nut 1/4-20 Thd.	

†Optional Parts

Models 342 and 343



Models 342 and 343

PARTS LIST FOR MODELS 342 AND 343 ROTARY MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	715-0105		Spring Pin Roll 3/16" Dia. x 1.50" Lg.		35	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
2	710-0642		Hex Tap Scr. 1/4-20 x .75" Lg.*		36	748-0187		Ratchet—Rear Wheel	
3	738-0255		Shld. Bolt .375" Dia. x .171 Lg.		37	741-0262		Flange Brg. Plastic .50" I.D.	
4	710-0599		Hex Wash. Hd. Self-Tap Scr. 1/4-20 x .50" Lg.		38	734-0880		Wheel Ass'y. Comp. 8.0 x 1.75"—Rear	
5	746-0308		Clutch Control Cable 58" Lg		39	736-0119		L-Wash. 5/16" I.D.*	
6	12309	—462	Belt Cover		40	712-0267		Hex Nut 5/16-18 Thd.*	
7	736-0329		L-Wash. 1/4" I.D.*		41	736-0219		Belleville Wash. .400" I.D.	
8	712-0298		Hex Jam Nut 1/4-20 Thd.*		42	715-0120		Spring Pin Spiral 3/16" Dia. x 1.00" Lg.	
9	13415		Idler Brkt. Ass'y.		43	750-0387		Spacer .505" I.D. x .880" O.D. x .44	
10	712-0287		Hex Nut 1/4-20 Thd.*		44	748-0248		Flange Brg. .506 I.D.—Plastic	
11	736-0329		L-Wash. 1/4" I.D.*		45	756-0191		Pulley w/9 Tooth Sprocket Ass'y.	
12	732-0357		Tension Spring		46	756-0360		Plastic Flat Idler Pulley	
13	12894		Cable Clip		47	754-0252		"V"-Belt 1/2" x 33" Long	
14	713-0144		#48 Chain 1/2" Pitch x 31 Links		48	712-0267		Hex Nut 5/16-18 Thd.*	
15	713-0122		#48 Master Link		49	736-0119		L-Wash. 5/16" Scr.*	
16	10641		Index Plate Ass'y.—L.H. (Rear)		50	738-0140		Shld. Bolt .437" Dia. x .180" Lg.	
	10642		Index Plate Ass'y.—R.H. (Rear—Not Shown)		51	756-0115		Engine Pulley	
17	13414		Rear Shaft Ass'y.		52	736-0160		FI-Wash. .531" I.D. x .930" O.D. x .050" Thk.	
18	1540-086		FI-Wash. .51" I.D. x 1.00" O.D. x .125" Thk.		53	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
19	750-0190		Spacer .70" I.D. x 7/8" O.D. x 1.00" Lg.		54	738-0471		Pulley Shaft 10.0" Lg.	
20	10531		Spring Lever Ass'y. w/Knob		55	750-0190		Spacer .70" I.D. x 7/8" O.D. x 1.00" Lg.	
21	736-0105		Belleville Wash. 3/8" I.D.		56	736-0160		FI-Wash. .531" I.D. x .930" O.D. x .050" Thk.	
22	712-0342		Hex Jam Nut 3/8-16 Thd.		57	714-0111		Cotter Pin 3/32" Dia. x 1.00" Lg.*	
24	736-0160		FI-Wash. .531 I.D. x .930 O.D. x .050" Thk.		58	736-0160		FI-Wash. .531" I.D. x .930" O.D. x .050" Thk.	
25	748-0142		Flange Bearing .503" I.D.		59	741-0248		Flange Brg. .506 I.D. Plastic	
26	10638		Pivot Bracket Ass'y.—L.H.		60	714-0111		Cotter Pin 3/32" Dia. x 1.00" Lg.*	
27	712-0342		Hex Jam Nut 3/8-16 Thd.		61	710-0599		Hex Wash. Self-Tap Scr. 1/4-20 x .50" Lg.	
28	736-0219		Belleville Wash. .400" I.D.		62	710-0200		Hex Wash. Hd. Self-Tap Scr. Type "A" #8 x .50" Lg.	
29	738-0137		Shoulder Bolt .342" Dia. x .268 Lg.						
30	10622		Nylon Spring						
31	748-0188		Pawl						
32	10647		Hub Cap—Rear Wheel						
33	712-0219		Elastic Stop Nut 1/4-20 Thd.						
34	710-0748		Pan Hd. Tap Scr. #12 x .50" Lg.						

*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)
(486—Star Orange)

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



NOTE

This instruction manual covers various models and all specifications shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

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."

Find It Fast
In The
Yellow Pages



PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment 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.

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	FORT SMITH	
Mity Mite Motors, Inc.	4515 S. 16th St.	72901
	NORTH LITTLE ROCK	
Sutton's Lawn Mower Shop	Rt. 4, Box 368	72117
CALIFORNIA	PORTERVILLE	
Billious	75 North D Street	93257
COLORADO	DENVER	
Spitzer Industrial Products Co.	6601 N. Washington St., Box 29114	80229
FLORIDA	JACKSONVILLE	
Radco Distributors	4909 Victor St., Box 5459	32207
	OPA LOCKA	
Small Eng. Dist.	2351 N.W. 147th St.	33054
GEORGIA	EAST POINT	
East Point Cycle & Key	2834 Church St.	30344
ILLINOIS	LYONS	
Keen Edge Co.	8615 Ogden Ave.	60534
INDIANA	ELKHART	
Parts & Sales Inc.	2101 Industrial Pkwy.	46514
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.	20012
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
MISSISSIPPI	BILOXI	
Biloxi Sales & Service, Inc.	506 Caillavet St.	39533
MISSOURI	KANSAS CITY	
Automotive Equip. Service	3117 Holmes St.	64109
	ST. JOSEPH	
Ross-Frazier 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	1023 Third St. N.W.	87103
NEW YORK	CARTHAGE	
Gamble Dist., Inc.	West End Ave.	13619

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS 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.

NORTH CAROLINA	GOLDSBORO
Smith Hardware Co.	515 N. George St.
	27530
	GREENSBORO
Dixie Sales Company	335 N. Green
	27402
OHIO	CARROLL
Stebe's Mid-State Mower Supply	71 High St., Box 366
	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
TENNESSEE	KNOXVILLE
Master Repair Service	2000 Western Ave.
	37921
	MEMPHIS
American Sales & Service, Inc.	3035-43 Bellbrook
	38116
TEXAS	DALLAS
Marr Brothers, Inc.	423 E. Jefferson
	75203
	FORT WORTH
Woodson Sales Corp.	1702 N. Sylvania
	76111
	HOUSTON
Bullard Supply Co.	2409 Commerce St.
	77003
UTAH	SALT LAKE CITY
A-1 Engine & Mower Co.	437 E. 9th St.
	84111
VERMONT	BURLINGTON
Vermont Hdwe. Co. Inc.	180 Flynn Ave.
	05401
VIRGINIA	ASHLAND
RBI Corp.	Lake Ridge Park, 101 Cedar Run Dr.
	23005
WASHINGTON	SEATTLE
Bailey's Inc.	1414 14th Ave.
	98102
WEST VIRGINIA	CHARLESTON
Young's, Inc.	233 Virginia St., E.
	25301
WISCONSIN	MARSHFIELD
Power Pac	301 E. 29th St.
	54449

WARRANTY PARTS AND SERVICE POLICY

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:

All claims MUST be substantiated with the following information:

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.

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