

**SEARS**

55-02-42

# CRAFTSMAN<sup>®</sup>

MODEL NUMBER 917.373231 OWNER'S MANUAL

**3one<sup>™</sup>**  
Convertible



- Assembly
- Operation
- Customer Responsibilities
- Service
- Adjustments
- Repair Parts

**Caution:**  
Read and Follow  
all Safety Rules  
and Instructions  
Before Operating  
This Equipment

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

# SAFETY RULES



**CAUTION: ALWAYS DISCONNECT SPARK PLUG WIRE AND PLACE WIRE WHERE IT CANNOT CONTACT SPARK PLUG TO PREVENT ACCIDENTAL STARTING WHEN SETTING UP, TRANSPORTING, ADJUSTING OR MAKING REPAIRS.**



## IMPORTANT

**SAFETY STANDARDS REQUIRE OPERATOR PRESENCE CONTROLS TO MINIMIZE THE RISK OF INJURY. YOUR UNIT IS EQUIPPED WITH SUCH CONTROLS. DO NOT ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR PRESENCE CONTROLS UNDER ANY CIRCUMSTANCES.**

### TRAINING:

- Read this operator's manual carefully. Become familiar with the controls and know how to operate your mower properly. Learn how to quickly stop mower.
- Do not allow children to use your mower. Never allow adults to use mower without proper instructions.
- Keep the area of operation clear of all persons, especially small children and pets.
- Use mower only as the manufacturer intended and as described in this manual.
- Do not operate mower if it has been dropped or damaged in any manner. Always have damage repaired before using your mower.
- Do not use accessory attachments that are not recommended by the manufacturer. Use of such attachments may be hazardous.
- Be aware that the mower blade turns when the engine is running.
- Always stop the engine whenever you leave or are not using your mower, or before crossing driveways, walks, roads, and any gravel-covered areas.
- Never direct discharge of material toward bystanders nor allow anyone near the mower while you are operating it.
- Before cleaning, inspecting, or repairing your mower, stop the engine and make absolutely sure the blade and all moving parts have stopped. Then disconnect the spark plug wire and keep it away from the spark plug to prevent accidental starting.
- Do not continue to run your mower if you hit a foreign object. Follow the procedure outlined above, then repair any damage before restarting and operating you mower.
- Do not change the governor settings or overspeed the engine. Engine damage or personal injury may result.
- Do not operate your mower if it vibrates abnormally. Excessive vibration is an indication of damage; stop the engine, safely check for the cause of vibration and repair as required.
- Do not run the engine indoors. Exhaust fumes are dangerous.
- Never cut grass by pulling the mower towards you. Mow across the face of slopes, never up and down or you might lose your footing. Do not mow excessively steep slopes. Use caution when operating the mower on uneven terrain or when changing directions - maintain good footing.
- Never operate your mower without proper guards, plates, grass catcher or other safety devices in place.

### PREPARATION:

- Always thoroughly check the area to be mowed and clear it of all stones, sticks, wires, bones, and other foreign objects. These objects will be thrown by the blade and can cause severe injury.
- Always wear safety glasses or eye shields when starting and while using your mower.
- Dress properly. Do not operate mower when barefoot or wearing open sandals. Wear only solid shoes with good traction when mowing.
- Check fuel tank before starting engine. Do not fill gas tank indoors, when the engine is running or when the engine is hot. Allow the engine to cool for several minutes before filling the gas tank. Clean off any spilled gasoline before starting the engine.
- Always make wheel height adjustments before starting your mower. Never attempt to do this while the engine is running.
- Mow only in daylight or good artificial light.

### OPERATION:

- Keep your eyes and mind on your mower and the area being cut. Do not let other interests distract you.
- Do not mow wet or slippery grass. Never run while operating your mower. Always be sure of your footing - keep a firm hold on the handles and walk.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.

### MAINTENANCE AND STORAGE:

- Check the blade and the engine mounting bolts often to be sure they are tightened properly.
- Check all bolts, nuts and screws at frequent intervals for proper tightness to be sure mower is in safe working condition.
- Keep all safety devices in place and working.
- To reduce fire hazard, keep the engine free of grass, leaves or excessive grease and oil.
- Check grass catcher often for deterioration and wear and replace worn bags. Use only replacement bags that are recommended by and comply with specifications of the manufacturer of your mower.
- Always keep a sharp blade on your mower.
- Allow engine to cool before storing in any enclosure.
- Never store mower with fuel in the tank inside a building where fumes may reach an open flame or an ignition source such as a hot water heater, space heater, clothes dryer, etc.



**LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS - ATTENTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.**

**CONGRATULATIONS** on your purchase of a Sears Craftsman Lawn Mower. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problems you cannot easily remedy, please contact your nearest Sears Service Center/Department. Sears has competent, well trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your lawn mower properly. Always observe the "SAFETY RULES".

**PRODUCT SPECIFICATIONS**

HORSEPOWER:	5.0
DISPLACEMENT:	11.57 cu. in.
GASOLINE CAPACITY:	1.6 quarts (Unleaded)
OIL (20 oz. Capacity):	SAE 30 (Above 32°F) 5W30 (Below 32°F)
SPARK PLUG (Gap .030 in.): (0.76 mm)	Champion RJ19LM or Sears <sup>TM</sup> 33312 or STD 361458 or STD 360950
VALVE CLEARANCE: Intake:	.005-.007 in.
Exhaust:	.007-.009 in.
SOLID STATE IGNITION AIR GAP:	.010 in.
BLADE BOLT TORQUE:	35-40 ft.-lbs.

<p>MODEL NUMBER 917.373231</p> <p>SERIAL NUMBER _____</p> <p>DATE OF PURCHASE _____</p> <p>THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A DECAL ATTACHED TO THE REAR OF THE LAWN MOWER HOUSING.</p> <p>YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.</p>
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**MAINTENANCE AGREEMENT**

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

**CUSTOMER RESPONSIBILITIES**

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your lawn mower.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this Owner's Manual.

**LIMITED TWO YEAR WARRANTY ON CRAFTSMAN POWER MOWER**

For two years from date of purchase, when this Craftsman Lawn Mower is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the owner's manual, Sears will repair free of charge any defect in material or workmanship.

If this Craftsman Lawn Mower is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as rotary mower blades, blade adapters, belts, air cleaners and spark plug.
- Repairs necessary because of operator abuse or negligence, including bent crankshafts and the failure to maintain the equipment according to the instructions contained in the owner's manual.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE CRAFTSMAN POWER MOWER TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES. THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN USE IN THE UNITED STATES.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SEARS, ROEBUCK AND CO., D/817 WA, HOFFMAN ESTATES, ILLINOIS 60179

# TABLE OF CONTENTS

SAFETY RULES .....	2	SERVICE AND ADJUSTMENTS .....	15
PRODUCT SPECIFICATIONS .....	3	STORAGE .....	18
CUSTOMER RESPONSIBILITIES .....	3, 12-14	TROUBLESHOOTING .....	19
WARRANTY .....	3	REPAIR PARTS - LAWN MOWER .....	20-24
LAWN MOWER ACCESSORIES .....	5	REPAIR PARTS - ENGINE .....	25-30
ASSEMBLY .....	6	PARTS ORDERING/SERVICE . BACK COVER	
OPERATION .....	8		

## INDEX



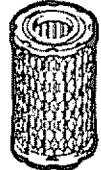
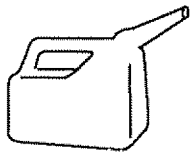
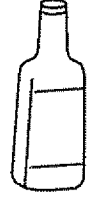

<b>A</b>		<b>F</b>		<b>P</b>	
Accessories .....	5	Fuel:		Repair Parts	
Adjustments:		Type .....	10	Lawn Mower .....	20-24
Carburetor .....	17	Storage .....	18	Engine .....	25-30
Handle Height .....	16			<b>R</b>	
Height of Cut .....	9			Responsibilities, Customer ....	3, 12-14
Air Filter:		<b>H</b>		<b>S</b>	
Service .....	14	Handle:		Safety Rules .....	2
Assembly:		Adjustment .....	16	Service and Adjustments:	
Handle .....	6	Assembly .....	6	Carburetor .....	17
Grass Catcher .....	7			Drive Belt .....	15
<b>B</b>		<b>L</b>		Engine Speed .....	17
Blade:		Lubrication:		Handle .....	16
Sharpening .....	13	Engine .....	12	Spark Plug .....	14
Replacement .....	13	Rear Door Hinge .....	12	Specifications .....	3
<b>C</b>		Handle Bracket Mounting Pin ..	12	Starting the Engine .....	10
Controls:		Wheel Adjuster .....	12	Stopping the Engine .....	10
Operator Presence Control Bar .	8	<b>M</b>		Storage .....	18
Drive Control .....	8	Maintenance Agreement .....	3	<b>T</b>	
Customer Responsibilities ....	3, 12-14	Maintenance Schedule .....	12	Trouble Shooting Chart .....	19
Air Filter .....	14	Mowing Tips .....	11	<b>W</b>	
Blade Care/Replacement .....	13	Mulching/Mowing Tips .....	11	Warranty .....	3
Drive Wheels .....	13	<b>O</b>		Wheels:	
Engine .....	14	Oil:		Wheel Adjusters .....	8
Gear Case .....	13	Engine .....	14		
Lubrication .....	12	Storage .....	18		
Spark Plug .....	14	Operation:			
<b>E</b>		Operating Lawn Mower .....	9		
Engine:		Drive Control .....	9		
Oil Change .....	14	Operator Presence Control Bar .....	8		
Oil Level .....	14	Options:			
Oil Type .....	14	Attachments .....	5		
Starting .....	10				
Storage .....	18				





# LAWN MOWER ACCESSORIES

These accessories were available when this lawn mower was produced. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can also order repair parts for you, when you provide the model number of your lawn mower. Some of these accessories may not apply to your lawn mower.


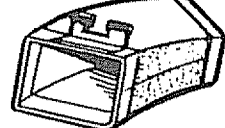
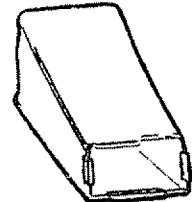
## ENGINE

<b>SPARK PLUG</b> 	<b>MUFFLER</b> 	<b>AIR FILTER</b> 	<b>GAS CAN</b> 	<b>ENGINE OIL</b> 	<b>STABILIZER</b> 
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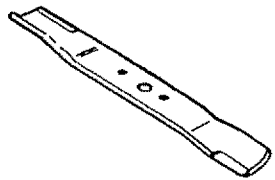
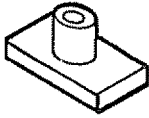


If lawn mower is an electric start

<b>CHARGER</b> 	<b>BATTERY</b> 
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## LAWN MOWER PERFORMANCE

<b>REAR BAG OPTIONAL</b>	<b>DUST SHIELD</b> 	<b>CLIPPING DEFLECTOR</b> 	
	<b>REPLACEMENT BAG FOR REAR DISCHARGE LAWN MOWERS</b>		<b>FABRIC BAG</b> 

## LAWN MOWER MAINTENANCE

<b>BELT</b> 	<b>BLADE</b> 	<b>BLADE ADAPTER</b> 	<b>WHEELS</b> 	<b>LAWN MOWER COVER</b> 
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# ASSEMBLY

Read these instructions and the Operator's Manual in its entirety before you attempt to assemble or operate your new lawn mower. Your new lawn mower has been assembled at the factory with the exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your lawn mower, all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to ensure proper tightness. All parts such as nuts, washers, bolts, etc., necessary to complete the assembly have been placed in the parts bag.

## TO REMOVE LAWN MOWER FROM CARTON

- Remove loose parts included with mower.
- Cut down two end corners of carton and lay end panel down flat.
- Remove all packing materials except padding between upper and lower handle and padding holding operator presence control bar to upper handle.
- Roll lawn mower out of carton and check carton thoroughly for additional loose parts.

## HOW TO SET UP YOUR LAWN MOWER

### TO UNFOLD HANDLE (See Fig. 1)

**IMPORTANT:** UNFOLD HANDLE CAREFULLY SO AS NOT TO PINCH OR DAMAGE CONTROL CABLES

- Raise handles until lower handle section locks into place in mowing position.
- Raise upper handle section into place on lower handle, remove protective padding and tighten both handle knobs.
- Remove handle padding holding operator presence control bar to upper handle.
- Your lawn mower handle can be adjusted for your mowing comfort. Refer to "Adjust Handle" in the Service and Adjustment section of this manual.

### TO INSTALL ATTACHMENTS (See Fig. 2)

Your lawn mower was shipped ready to be used as a mulcher. To convert to bagging or discharging:

- Open rear door and remove mulcher plate. Store mulcher plate in a safe place.
- You can now install catcher or optional clipping deflector.
- To return to mulching operation, install mulcher plate into discharge opening of mower. Be sure all tabs are seated properly.

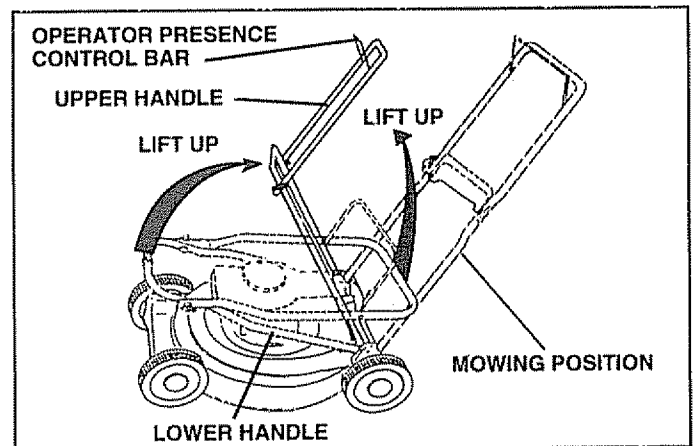


FIG. 1

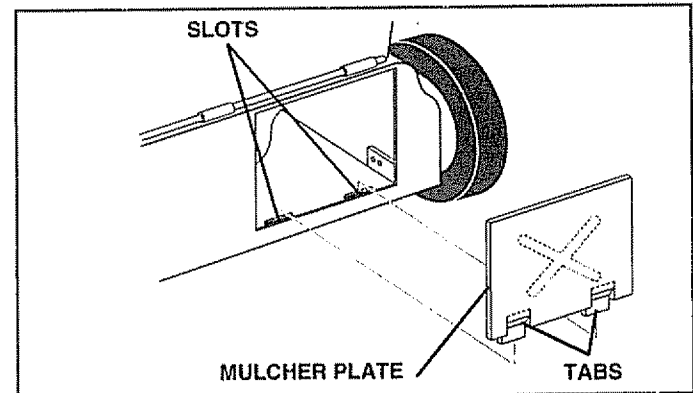


FIG. 2



**CAUTION:** Do not run your lawn mower without mulcher plate in place or approved clipping deflector or grass catcher in place. Never attempt to operate the lawn mower with the rear door removed or propped open.

# ASSEMBLY

## TO ASSEMBLE & ATTACH GRASS CATCHER (See Figs. 3-4)

- Put grass catcher frame into grass bag with rigid part of bag on the bottom.
- Slip vinyl bindings over frame.

**NOTE:** If vinyl bindings are too stiff, hold them in warm water for a few minutes. If bag gets wet, let it dry before using.

- Lift the rear door on the mower housing and place the grass catcher frame onto the formed tabs on the rear door hinge bracket.
- The grass catcher is secured to the lawn mower housing when the rear door is lowered onto the grass catcher frame.

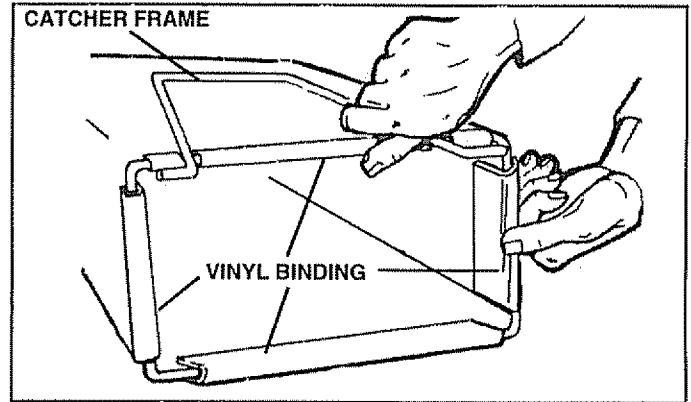


FIG. 3

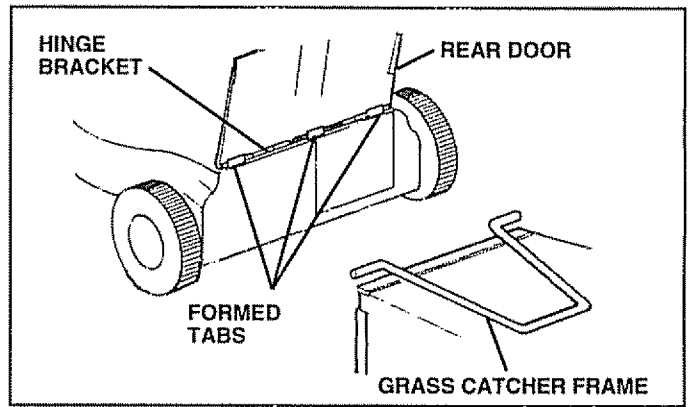


FIG. 4

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# OPERATION

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## KNOW YOUR LAWN MOWER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR LAWN MOWER. Compare the illustrations with your lawn mower to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

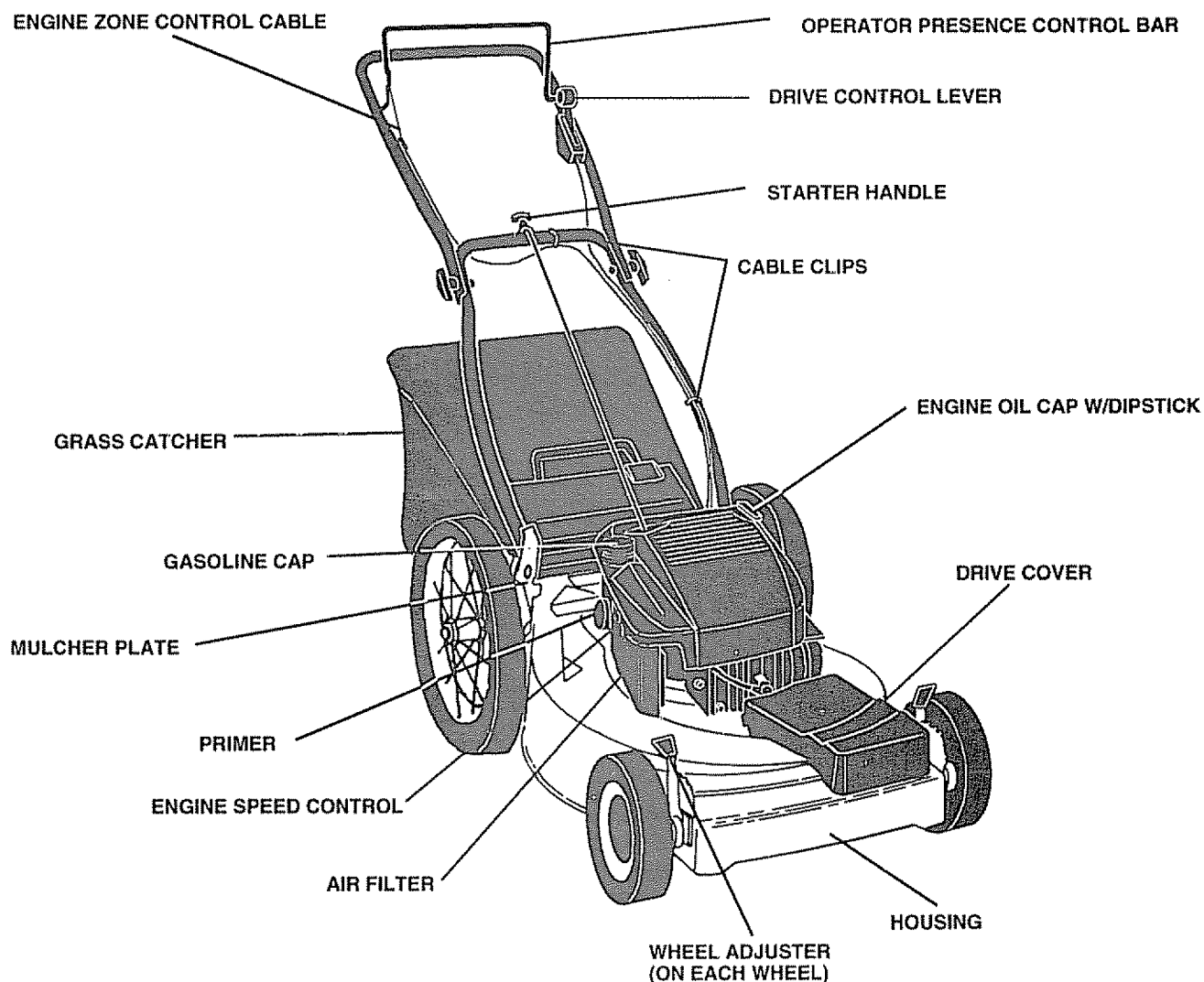


FIG. 5

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## MEETS CPSC SAFETY REQUIREMENTS

Sears rotary walk-behind power lawn mowers conform to the safety standards of the American National Standards Institute and the U.S. Consumer Product Safety Commission. The blade turns when the engine is running.

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**OPERATOR PRESENCE CONTROL** - must be held down to the handle to start the engine. Release to stop the engine.

**PRIMER** - pumps additional fuel from the carburetor to the cylinder for use when starting a cold engine.

**STARTER HANDLE** - used for starting the engine.

**DRIVE CONTROL LEVER** - used to engage power-propelled forward motion of lawn mower.

**ENGINE SPEED CONTROL** - located on the side of the engine which allows you to select either fast (☛) or slow (☞) engine speed.

**MULCHER PLATE** - located at the discharge opening, must be removed when converting to bagging or discharge operation.

# OPERATION

## HOW TO USE YOUR LAWN MOWER



**CAUTION:** Do not run your lawn mower without mulcher plate in place and door closed or without an approved clipping deflector or grasscatcher in place. Never attempt to operate the lawn mower with the rear door removed or propped open.

### ENGINE SPEED (See Fig. 6)

The engine speed is controlled by a lever located on the side of the engine. Fast (↻) position is for starting the engine, normal cutting, and better grass bagging. Slow (↻) position is for light cutting, trimming and fuel economy.

### ENGINE ZONE CONTROL



**CAUTION:** Federal regulations require an engine control to be installed on this lawn mower in order to minimize the risk of blade contact injury. Do not under any circumstances attempt to defeat the function of the operator control. The blade turns when the engine is running.

- Your lawn mower is equipped with an operator presence control bar which requires the operator to be positioned behind the lawn mower handle to start and operate the lawn mower.

### TO ADJUST CUTTING HEIGHT (See Fig. 7)

- Raise wheels for low cut and lower wheels for high cut.
- Wheels are set in low cut for shipping. Adjust cutting height to suit your requirements. Medium position is best for most lawns.
- To change cutting height, squeeze adjuster lever toward wheel. Move wheel up or down to suit your requirements. Be sure all wheels are in the same setting.

### TO EMPTY GRASS CATCHER (See Fig. 8)

- To remove grass catcher, release operator presence control bar to stop engine.
- Lift up rear door and remove the grass catcher by the handle.
- Do not drag the bag when emptying; it will cause unnecessary wear.

### DRIVE CONTROL (See Fig. 9)

- Self-propelling is controlled by holding the operator presence control bar down to the handle and pushing the drive control lever forward until it clicks; then release the lever.
- Forward motion will stop when the operator presence control bar is released. To stop forward motion without stopping engine, release the operator presence control bar slightly until the drive control disengages. Hold operator presence control bar down to handle to continue mowing without self-propelling.
- To keep drive control engaged when turning corners, push down on handle and lift front wheels off ground while turning lawn mower.

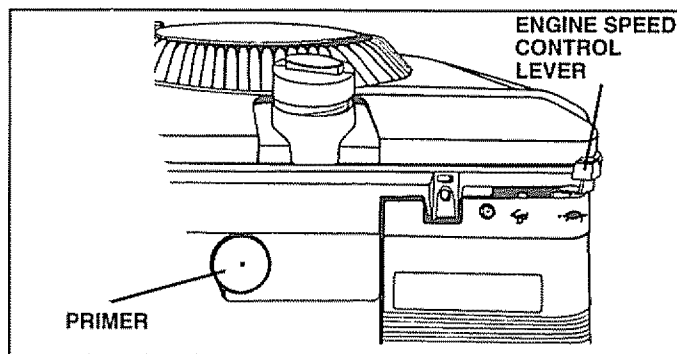


FIG. 6

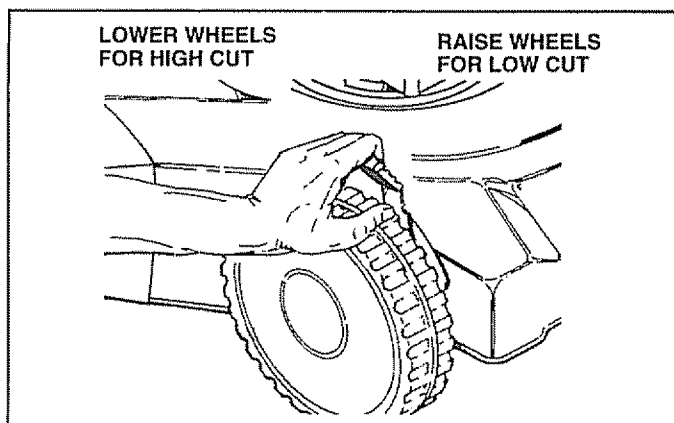


FIG. 7

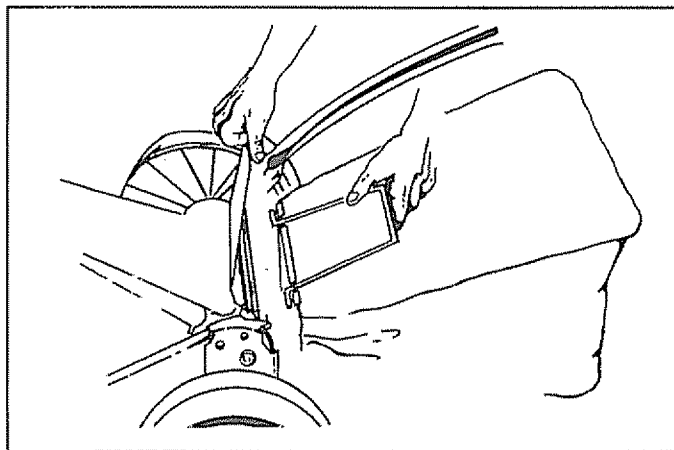


FIG. 8

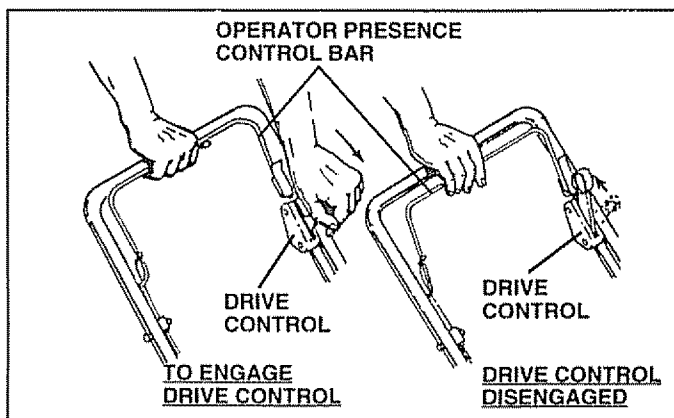


FIG. 9

# OPERATION

## BEFORE STARTING ENGINE OIL (See Fig. 10)

Your lawn mower is shipped without oil in the engine.

- Be sure mower is level and area around oil fill is clean.
- Remove engine oil cap w/dipstick and fill to the full line on the dipstick.
- Use 20 ozs. of oil. For type and grade of oil to use, see "ENGINE" in Customer Responsibilities section of this manual.
- Pour oil slowly. Do not over fill.
- Check oil level before each use. Add oil if needed. Fill to full line on dipstick.
- To read proper level, tighten engine oil cap each time.
- Reinstall engine oil cap and tighten.
- After the first two (2) hours of mowing, change the oil, and every 25 hours thereafter. You may need to change the oil more often under dusty, dirty conditions.

## GAS (See Fig. 10)

- Fill gasoline tank with fresh, clean, unleaded gasoline. DO NOT USE PREMIUM GASOLINE. BE CAREFUL NOT TO OVER FILL TANK.

**WARNING:** Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the fuel tank, start the engine and let it run until fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in fuel tank or permanent damage may occur.

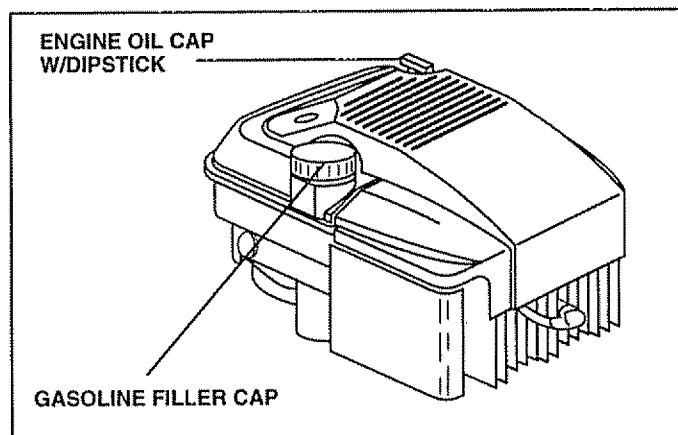


FIG. 10

## TO START ENGINE

- To start a cold engine, push primer three (3) times before trying to start. Use a firm push. This step is not usually necessary when starting an engine which has already run for a few minutes.
- Move engine speed control lever to fast (⚡) position.
- Hold operator presence control bar down to the handle and pull starter handle quickly. Do not allow starter rope to snap back.
- To stop engine, release operator presence control bar.

**NOTE:** In cooler weather it may be necessary to repeat priming steps. In warmer weather over priming may cause flooding and engine will not start. If you do flood engine, wait a few minutes before attempting to start and do not repeat priming steps.

# OPERATION

## MOWING TIPS

- Under certain conditions, such as very tall grass, it may be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of grass clippings.
- For extremely heavy cutting, reduce the width of cut and raise the rear of the lawn mower housing one (1) wheel adjuster setting higher than the front for better discharge of grass.
- For better grass bagging and most cutting conditions, the engine speed should be set in the fast (⚡) position.
- When using a rear discharge lawn mower in moist, heavy grass, clumps of cut grass may not enter the grass catcher. Reduce ground speed (pushing speed) and/or run the lawn mower over the area a second time.
- If a trail of grass clippings is left on the right side of a rear discharge lawn mower, mow in a clockwise direction with a small overlap to collect the clippings on the next pass.
- Keep top of engine around starter clear and clean of grass clippings and chaff. This will help engine air flow and extend engine life.
- Pores in cloth grass catchers can become filled with dirt and dust with use and catchers will collect less grass. To prevent this, regularly hose catchers off with water and let dry before using.

## MULCHING MOWING TIPS

**IMPORTANT:** FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN AFTER EACH USE. SEE "CLEANING" IN CUSTOMER RESPONSIBILITIES SECTION OF THIS MANUAL.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.

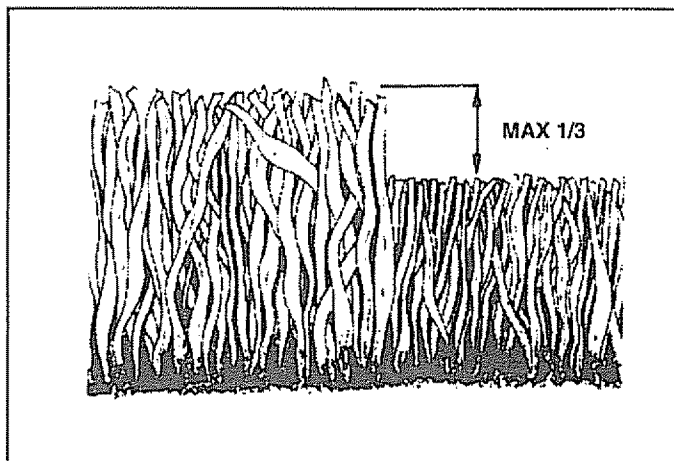


FIG. 11

- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the lawn mower cutting height so that the lawn mower cuts off only the top one-third of the grass blades (See Fig. 11). If the lawn is overgrown it will be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of mulched grass. For extremely heavy mulching, reduce your width of cut, mow slowly and raise the rear of the lawn mower one wheel adjuster setting higher than the front.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.



# CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE		SERVICE DATES																
		BEFORE EACH USE	AFTER EACH USE	FIRST 2 HOURS	EVERY 5 HOURS	EVERY 25 HOURS	EVERY SEASON	BEFORE STORAGE										
MOWER	Check for Loose Fasteners	✓						✓										
	Clean/Inspect Grass Catcher (If Equipped)	✓	✓							✓								
	Clean Lawn Mower		✓							✓								
	Inspect/Clean Drive Wheels (Self-Propelled Mowers)	✓			✓													
	Sharpen/Replace Mower Blade						✓ <sub>3</sub>											
	Lubrication Chart						✓			✓								
	Clean Battery/Recharge (Electric Start Mowers)						✓			✓ <sub>4</sub>								
ENGINE	Check Engine Oil Level	✓			✓													
	Change Engine Oil			✓			✓ <sub>1,2</sub>											
	Clean Air Filter						✓ <sub>2</sub>											
	Inspect Muffler						✓											
	Replace Spark Plug									✓								
	Replace Air Filter Paper Cartridge									✓ <sub>2</sub>								

- 1 - Change more often when operating under a heavy load or in high ambient temperatures.
- 2 - Service more often when operating in dirty or dusty conditions.
- 3 - Replace blades more often when mowing in sandy soil
- 4 - Charge 48 hours at end of season.

## GENERAL RECOMMENDATIONS

The warranty on this lawn mower does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain mower as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your unit.

All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- Once a year, replace the spark plug, replace air filter element and check blade for wear. A new spark plug and clean/new air filter element assures proper air-fuel mixture and helps your engine run better and last longer.
- Follow the maintenance schedule in this manual.

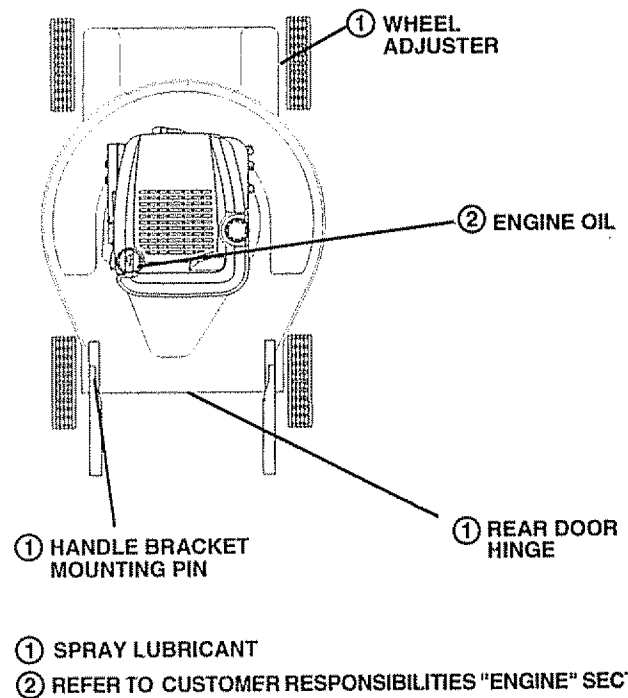
## BEFORE EACH USE

- Check engine oil level.
- Check for loose fasteners.

## LUBRICATION

Keep unit well lubricated (See "LUBRICATION CHART").

## LUBRICATION CHART



**IMPORTANT:** DO NOT OIL OR GREASE PLASTIC WHEEL BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY.

# CUSTOMER RESPONSIBILITIES

## LAWN MOWER

Always observe safety rules when performing any maintenance.

### TIRES

- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

### BLADE CARE

For best results, mower blade must be kept sharp. Replace bent or damaged blades.

#### TO REMOVE BLADE (See Fig. 12)

- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with spark plug.
- Turn lawn mower on its side. Make sure air filter and carburetor are up.
- Use a wood block between blade and mower housing to prevent blade from turning when removing blade bolt.
- Protect your hands with gloves and/or wrap blade with heavy cloth.
- Remove blade bolt by turning counter-clockwise. Use a 9/16" box or open-end wrench.
- Remove blade and attaching hardware (bolt, lock washer and hardened washer).

**NOTE:** Remove the blade adapter and check the key inside hub of blade adapter. The key must be in good condition to work properly. Replace adapter if damaged.

#### TO REPLACE BLADE (See Fig. 12)

- Position the blade adapter on the engine crankshaft. Be sure key in adapter and crankshaft keyway are aligned.
- Position blade on the blade adapter aligning the two (2) holes in the blade with the raised lugs on the adapter.
- Be sure the trailing edge of blade (opposite sharp edge) is up toward the engine.
- Install the blade bolt with the lock washer and hardened washer into blade adapter and crankshaft.
- Use block of wood between blade and lawn mower housing and tighten the blade bolt, turning clockwise.
- The recommended tightening torque is 35-40 ft. lbs.

**IMPORTANT:** BLADE BOLT IS GRADE 8 HEAT TREATED.

**NOTE:** We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

#### TO SHARPEN BLADE

Care should be taken to keep the blade balanced. An unbalanced blade will cause eventual damage to lawn mower or engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of blade over the head of the nail. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

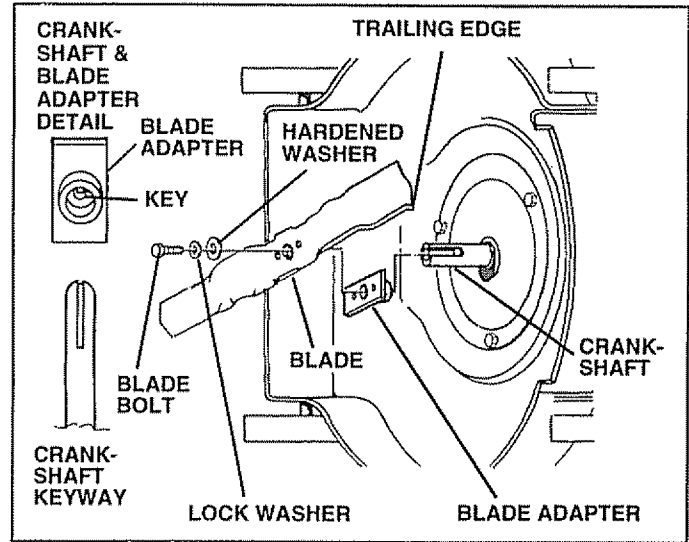


FIG. 12

## GEAR CASE

- To keep your drive system working properly, the gear case and area around the drive should be kept clean and free of trash build-up. Clean under the drive cover twice a season.
- The gear case is filled with lubricant to the proper level at the factory. The only time the lubricant needs attention is if service has been performed on the gear case.
- If lubricant is required, use only Texaco Starplex Premium Grease, part no. 750355. Do not substitute.

## DRIVE WHEELS

Check front drive wheels each time before you mow to be sure they move freely.

The wheels not turning freely means trash, grass cuttings, etc. are in the drive wheel area and must be cleaned to free drive wheels.

If necessary to clean the drive wheels, check both front wheels.

- Remove hubcaps, hairpin cotters and washers.
- Remove wheels from wheel adjusters.
- Remove any trash or grass cuttings from inside the dust cover, pinion and/or drive wheel gear teeth.
- Put wheels back in place.
- If after cleaning, the drive wheels do not turn freely, contact your nearest service center.

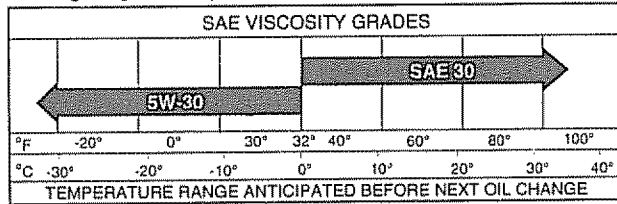
## GRASS CATCHER

- The grass catcher may be hosed with water, but must be dry when used.
- Check your grass catcher often for damage or deterioration. Through normal use it will wear. If catcher needs replacing, replace only with a manufacturer approved replacement catcher. Give the lawn mower model number when ordering.

# CUSTOMER RESPONSIBILITIES

## ENGINE LUBRICATION

Use only high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature.



**NOTE:** Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil. Change the oil after the first two hours of operation and every 25 hours thereafter or at least once a year if the lawn mower is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each five (5) hours of continuous use. Tighten oil plug securely each time you check the oil level.

TO CHANGE ENGINE OIL (See Fig. 13)

- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with spark plug.
- Remove engine oil cap; lay aside on a clean surface.
- Tip lawn mower on its side and drain oil into a suitable container. Rock lawn mower back and forth to remove any oil trapped inside of engine.
- Wipe off any spilled oil on lawn mower and on side of engine.
- Fill engine with oil. Fill only to the "FULL" line on the dipstick. **DO NOT OVER FILL.**
- Replace engine oil cap.
- Reconnect spark plug wire to spark plug.

## AIR FILTER

Your engine will not run properly and may be damaged by using a dirty air filter.

Replace the air filter every year, more often if you mow in very dusty, dirty conditions.

TO CLEAN AIR FILTER (See Fig. 14)

- Loosen screw and tilt cover to remove.
- Carefully remove cartridge.
- Clean by gently tapping on a flat surface. If very dirty, replace cartridge or clean as follows: Wash in a low or non-sudsing detergent and warm water solution. Rinse thoroughly with flowing water from mesh side until water runs clear. Let cartridge air dry thoroughly before using.



**CAUTION:** Petroleum solvents, such as kerosene, are not to be used to clean cartridge. They may cause deterioration of the cartridge. Do not oil cartridge. Do not use pressurized air to clean or dry cartridge.

- Install cartridge, then replace cover making sure the tabs are aligned with the slots in the back plate. Fasten screw securely.

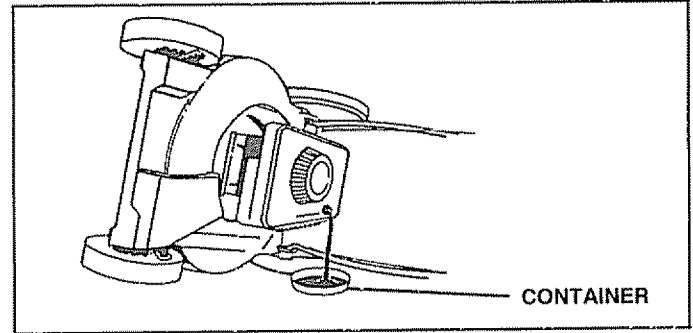


FIG. 13

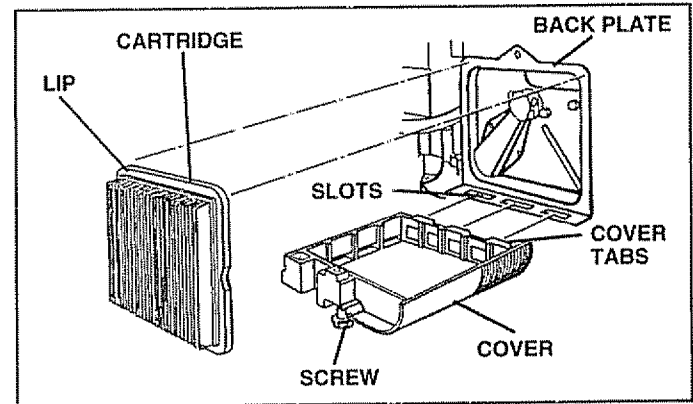


FIG. 14

## MUFFLER

Inspect and replace corroded muffler as it could create a fire hazard and/or damage.

## SPARK PLUG

Change your spark plug each year to make your engine start easier and run better. Set spark plug gap at .030 inch.

## CLEANING

**IMPORTANT:** FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN UNDERSIDE OF MOWER HOUSING AFTER EACH USE.



**CAUTION:** Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with the spark plug.

- Turn lawn mower on its side. Make sure air filter and carburetor are up. Clean the underside of your lawn mower by scraping to remove build-up of grass and trash.
- Clean engine often to keep trash from accumulating. A clogged engine runs hotter and shortens engine life.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- We **DO NOT** recommend using a garden hose to clean lawn mower unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in shortened engine life.

## CLEAN UNDER DRIVE COVER

Clean under drive cover at least twice a season. Scrape underside of cover with putty knife or similar tool to remove any build-up of trash or grass on underside of drive cover.

# SERVICE AND ADJUSTMENTS



**CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:**

- Release control bar.
- Make sure the blade and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place where it cannot come in contact with plug.

## LAWN MOWER

### TO ADJUST CUTTING HEIGHT

See "TO ADJUST CUTTING HEIGHT" in the Operation section of this manual.

### REAR DEFLECTOR

The rear deflector, attached between the rear wheels of your lawn mower, is provided to minimize the possibility that objects will be thrown out the rear of the lawn mower into the operator's mowing position.

If the rear deflector becomes damaged, it should be replaced.

### TO REMOVE/REPLACE DRIVE BELT

(See Fig. 15)

- Remove drive cover. Remove belt by pushing down on gear case pulley.
- Turn lawn mower on its side with carburetor and fuel cap up
- Remove blade.
- Remove debris shield.
- Remove belt from engine pulley on crankshaft.
- Install new belt by reversing above steps.
- Always use factory approved belt to assure fit and long life.

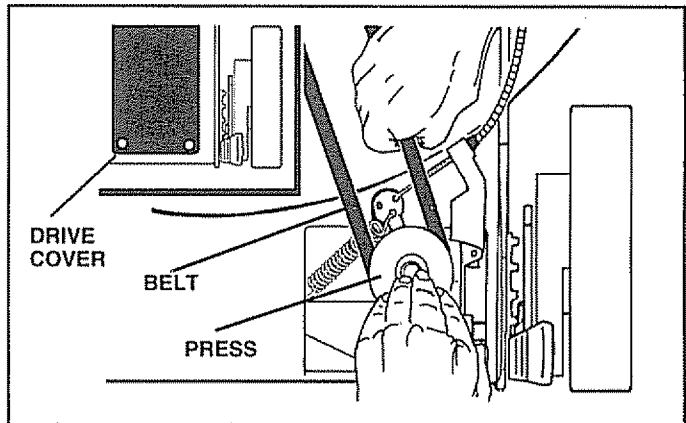


FIG. 15

# SERVICE AND ADJUSTMENTS

## TO ADJUST HANDLE (See Figs. 16 Thru 18)

Your lawn mower handle can be raised or lowered for your mowing comfort. Four (4) positions are available: high, medium high, medium low and low. Handles are shipped mounted in the medium low position.

- To change from medium low to medium high position, the upper and lower handle sections will have to be turned over (See Fig. 16B).
- Remove the controls and operator presence control bar from the upper handle.
- Remove the starter rope guide from the lower handle.
- Remove hairpin cotters.
- Disconnect the lower handle from the handle brackets (See Fig. 18).
- Turn the handle over and reassemble the hairpin cotters that have been removed.
- Reassemble the starter rope guide.
- Reassemble the controls and the operator presence control bar to the upper handle.



**CAUTION:** The operator presence control bar must pivot freely to permit blade brake engagement when control bar is released. Do not over tighten the fasteners holding the controls to the upper handle.

- To change from medium low to high position only the upper handle section will have to be turned over (See Fig. 17A).
- To change from medium low to low position, only the lower handle section will have to be turned over (See Fig. 17B).

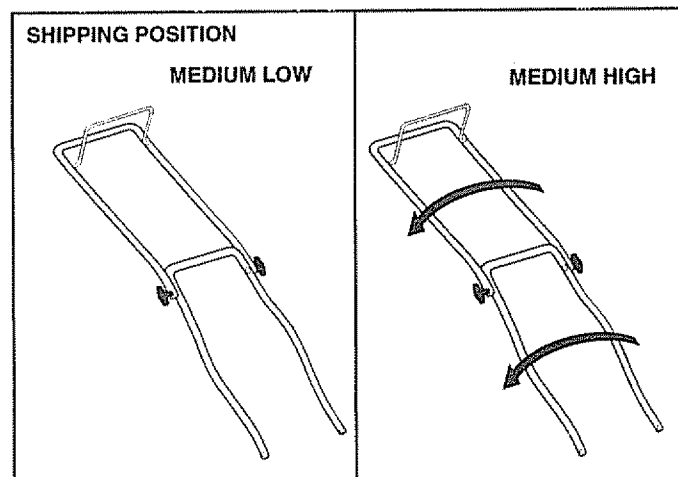


FIG. 16A

FIG. 16B

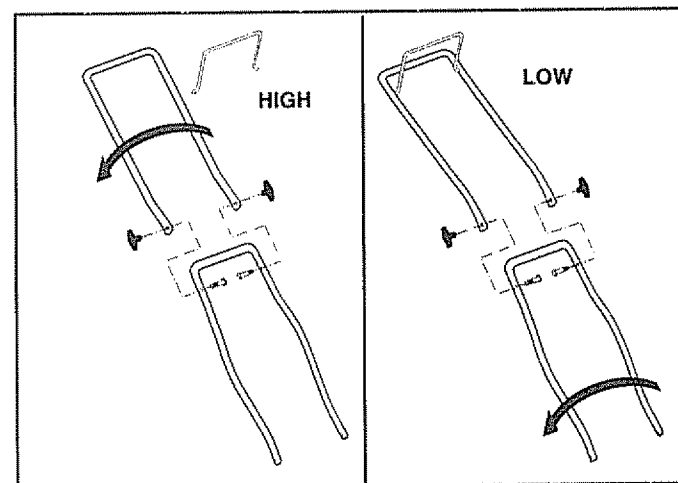


FIG. 17A

FIG. 17B

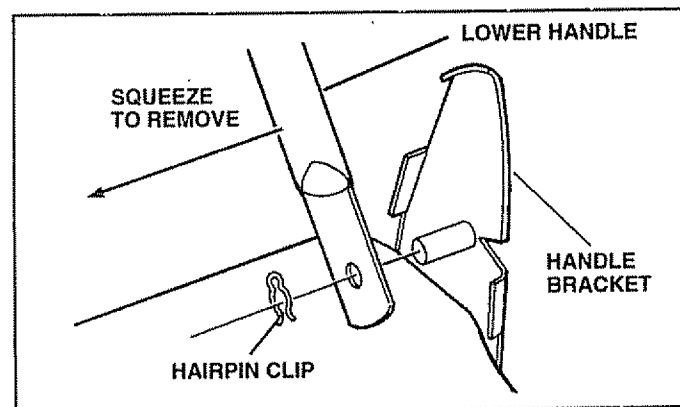


FIG. 18

# SERVICE AND ADJUSTMENTS

## ENGINE

### ENGINE SPEED

Your engine speed has been factory set. Do not attempt to increase engine speed or it may result in personal injury. If you believe that the engine is running too fast or too slow, take your lawn mower to an authorized service center for repair and adjustment.

### TO ADJUST CARBURETOR (See Fig. 19)

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude or load. The air cleaner and air cleaner cover must be assembled to carburetor when running.

#### INITIAL ADJUSTMENT-

With the engine not running, gently turn idle mixture screw clockwise until it just closes. Screw may be damaged by turning it in too far.

Next open the screw one turn counter-clockwise. This initial adjustment will permit the engine to be started and warmed up (approximately 5 minutes) prior to final adjustment.

**NOTE:** Do not adjust top no load adjusting screw. It was pre-set at the factory.

#### FINAL ADJUSTMENT-

Place engine speed control lever in idle or slow (☞) position. Adjust idle RPM by turning idle speed adjusting screw to obtain 1700 RPM. Next, turn idle mixture screw in (clockwise - lean mixture) until engine just starts to slow. Then turn idle mixture screw out (counter-clockwise - rich mixture) until engine runs unevenly. Now turn idle mixture screw midway between rich and lean. Engine should accelerate smoothly. If engine does not accelerate properly, the carburetor should be readjusted, usually to a richer mixture, by turning the idle mixture screw counter-clockwise 1/8 turn more.

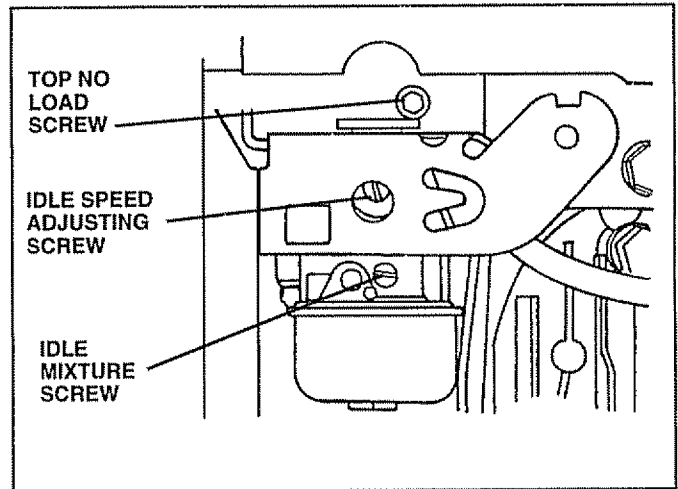


FIG. 19

**IMPORTANT:** NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

# STORAGE

Immediately prepare your lawn mower for storage at the end of the season or if the unit will not be used for 30 days or more.

## LAWN MOWER

When lawn mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire lawn mower (See "CLEANING" in the Customer Responsibilities section of this manual).
- Lubricate as shown in the Customer Responsibilities section of this manual.
- Be sure that all nuts, bolts, screws, and pins are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- Touch up all rusted or chipped paint surfaces; sand lightly before painting.

## HANDLE (See Fig. 20)

You can fold your lawn mower handle for storage.

- Squeeze the bottom ends of the lower handle toward each other until the lower handle clears the handle bracket, then move handle forward.
- Loosen upper handle mounting bolts enough to allow upper handle to be folded back.

**IMPORTANT:** WHEN FOLDING THE HANDLE FOR STORAGE OR TRANSPORTATION, BE SURE TO FOLD THE HANDLE AS SHOWN OR YOU MAY DAMAGE THE CONTROL CABLES.

- When setting up your handle from the storage position, the lower handle will automatically lock into the mowing position.

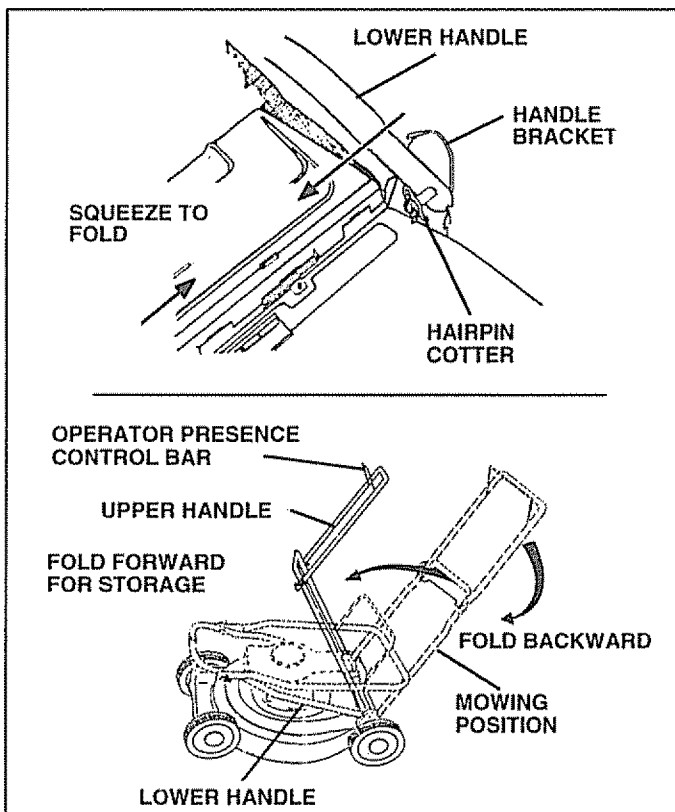


FIG. 20

## ENGINE FUEL SYSTEM

**IMPORTANT:** IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Drain the fuel tank.
- Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

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

## ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Customer Responsibilities section of this manual).

## CYLINDER

- Remove spark plug.
- Pour one ounce (29 ml) of oil through spark plug hole into cylinder.
- Pull starter handle slowly a few times to distribute oil.
- Replace with new spark plug.

## OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your unit indoors and cover it to give protection from dust and dirt.
- Cover your unit with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your unit to rust.

**IMPORTANT:** NEVER COVER MOWER WHILE ENGINE AND EXHAUST ARE STILL WARM.



**CAUTION:** Never store the lawn mower with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

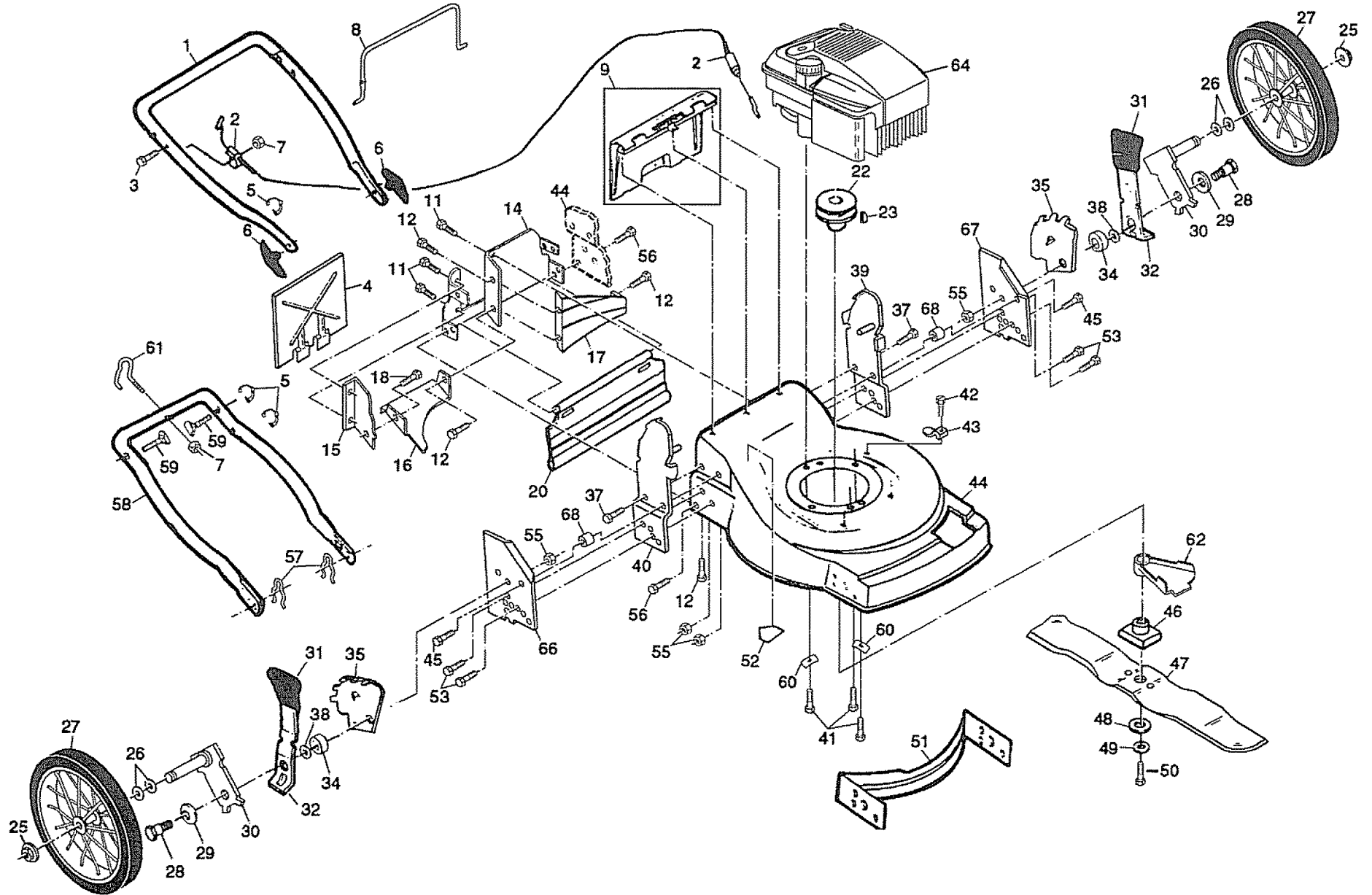


# TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
<b>Does not start</b>	<ol style="list-style-type: none"> <li>1. Dirty air filter.</li> <li>2. Out of fuel.</li> <li>3. Stale fuel.</li> <li>4. Water in fuel</li>   <li>5. Spark plug wire is disconnected.</li> <li>6. Bad spark plug.</li> <li>7. Loose blade or broken blade adapter.</li> <li>8. Control bar in released position</li> <li>9. Control bar defective</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean/replace air filter.</li> <li>2. Fill fuel tank.</li> <li>3. Drain tank and refill with fresh clean fuel.</li> <li>4. Drain fuel tank and carburetor and refill tank with fresh gasoline.</li> <li>5. Connect wire to plug.</li> <li>6. Replace spark plug.</li> <li>7. Tighten blade bolt or replace blade adapter.</li> <li>8. Depress control bar to handle.</li> <li>9. Replace control bar.</li> </ol>
<b>Loss of power</b>	<ol style="list-style-type: none"> <li>1. Rear of lawn mower housing/blade dragging in heavy grass.</li> <li>2. Cutting too much grass</li> <li>3. Dirty air filter.</li> <li>4. Buildup of grass, leaves and trash under mower.</li> <li>5. Too much oil in engine.</li> <li>6. Walking speed too fast</li> </ol>	<ol style="list-style-type: none"> <li>1. Set in "Higher Cut" position.</li> <li>2. Set in "Higher Cut" position.</li> <li>3. Clean/replace air filter.</li> <li>4. Clean underside of mower housing</li> <li>5. Check oil level.</li> <li>6. Cut at slower walking speed.</li> </ol>
<b>Poor cut - uneven</b>	<ol style="list-style-type: none"> <li>1. Worn, bent or loose blade</li> <li>2. Wheel heights uneven.</li> <li>3. Low engine speed</li> <li>4. Buildup of grass, leaves, and trash under mower.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade. Tighten blade bolt.</li> <li>2. Set all wheels at same height.</li> <li>3. Set engine speed control in fast position.</li> <li>4. Clean underside of mower housing.</li> </ol>
<b>Excessive vibration</b>	<ol style="list-style-type: none"> <li>1. Worn, bent or loose blade</li> <li>2. Bent engine crankshaft</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade. Tighten blade bolt.</li> <li>2. Contact authorized service center/department.</li> </ol>
<b>Starter rope hard to pull</b>	<ol style="list-style-type: none"> <li>1. Engine flywheel brake is on when control bar is released.</li> <li>2. Bent engine crankshaft</li> <li>3. Blade adapter broken.</li> <li>4. Blade dragging in grass.</li> </ol>	<ol style="list-style-type: none"> <li>1. Depress control bar to upper handle before pulling starter rope</li> <li>2. Contact authorized service center/department.</li> <li>3. Replace blade adapter.</li> <li>4. Move lawn mower to cut grass or to hard surface to start engine</li> </ol>
<b>Loss of drive</b>	<ol style="list-style-type: none"> <li>1. Drive wheels not turning with drive control engaged</li> <li>2. Belt not driving.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust or replace drive control cable, if broken.</li> <li>2. Put belt on pulleys or replace belts if broken</li> </ol>
<b>Grass catcher not filling (If so equipped)</b>	<ol style="list-style-type: none"> <li>1. Cutting height too low.</li> <li>2. Lift on blade worn off</li> <li>3. Catcher not venting air.</li> <li>4. Low engine speed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Raise cutting height.</li> <li>2. Replace blade</li> <li>3. Clean grass catcher.</li> <li>4. Set engine speed control in fast position</li> </ol>
<b>Hard to push</b>	<ol style="list-style-type: none"> <li>1. Grass is too high or wheel height is too low.</li> <li>2. Rear of lawn mower housing/blade dragging in grass.</li> <li>3. Grass catcher too full.</li> <li>4. Handle height position not right for you</li> </ol>	<ol style="list-style-type: none"> <li>1. Raise cutting height.</li> <li>2. Raise rear of lawn mower housing one (1) setting higher</li> <li>3. Empty grass catcher.</li> <li>4. Adjust handle height to suit.</li> </ol>

# REPAIR PARTS

CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231



# REPAIR PARTS

## CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

KEY NO.	PART NO	DESCRIPTION
1	133088X479	Upper Handle
2	130861	Engine Zone Control Cable
3	74350424	Hex Head Screw 1/4-20 x 1-1/2
4	133170X479	Mulcher Plate
5	85827	Cable Clip
6	136376	Handle Knob
7	STD541425	Locknut 1/4-20
8	851509	Control Bar
9	48137	Rear Door Kit
11	86344	Self Tapping Screw #10-24 x 5/8
12	STD512505	Hex Tapping Screw w/Sems 1/4-20 x 1/2
14	700483X479	Back Plate
15	700365X479	Side Baffle
16	133190X479	Discharge Baffle
17	87596X479	Rear Baffle
18	86344	Hex Head Self-Tapping #10-24 x 1/2
20	128796	Rear Skirt
22	84596	Engine Pulley
23	87677	Hi-Pro Key #505
25	83923	Hex Flange Nut
26	57143	Wave Washer
27	88017	Wheel
28	84921	Shoulder Bolt 3/8-16 x 1-3/8
29	61651	Spring Washer
30	750913X004	Axle Arm Assembly
31	87877	Selector Knob
32	700331X004	Selector Spring
34	84920	Spacer
35	700375	Wheel Adjusting Bracket (Left)
37	55187	Thread Cutting Screw w/Sems 5/16-18 x 3/4
38	88348	Flat Washer 3/8
39	701143X459	Handle Bracket Assembly (Left)
40	701144X459	Handle Bracket Assembly (Right)

KEY NO.	PART NO	DESCRIPTION
41	850998	Hex Head Thread Rolling Screw 3/8-16 x 1-1/8
42	750097	Hex Washer Head Screw #10-24 x 1/2
43	87930	Guide Clip
44	48364	Lawn Mower Housing (Incl. Key #14, 15, 51 & 52)
45	83253	Self-Tapping Screw w/Sems 5/16-18 x 1-1/2
46	851514	Blade Adapter
47	752234	Blade 22"
48	851074	Hardened Washer
49	850263	Helical Washer 3/8-24 x 1-3/8 Gr. 8
50	851084	Hex Head Machine Screw 3/8-24 x 1-3/8 Gr. 8
51	700869X479	Front Baffle
52	85463	Danger Decal
53	STD523707	Hex Bolt 3/8-16 x 3/4
55	751592	Locknut 3/8-16
56	88652	Hinge Screw 1/4-20 x 1-1/4
57	51793	Hairpin Cotter
58	84676X479	Lower Handle
59	131959	Handle Bolt
60	851201X004	Washer
61	103672X	Rope Guide
62	134612	Debris Shield
64	700796	Engine-Briggs & Stratton Model No. 126802, Type 3215-01
66	700170X459	Bracket Support (Right)
67	700172X459	Bracket Support (Left)
68	86969	Spacer
--	702553	Owner's Manual (English)
--	701853	Owner's Manual (Spanish)

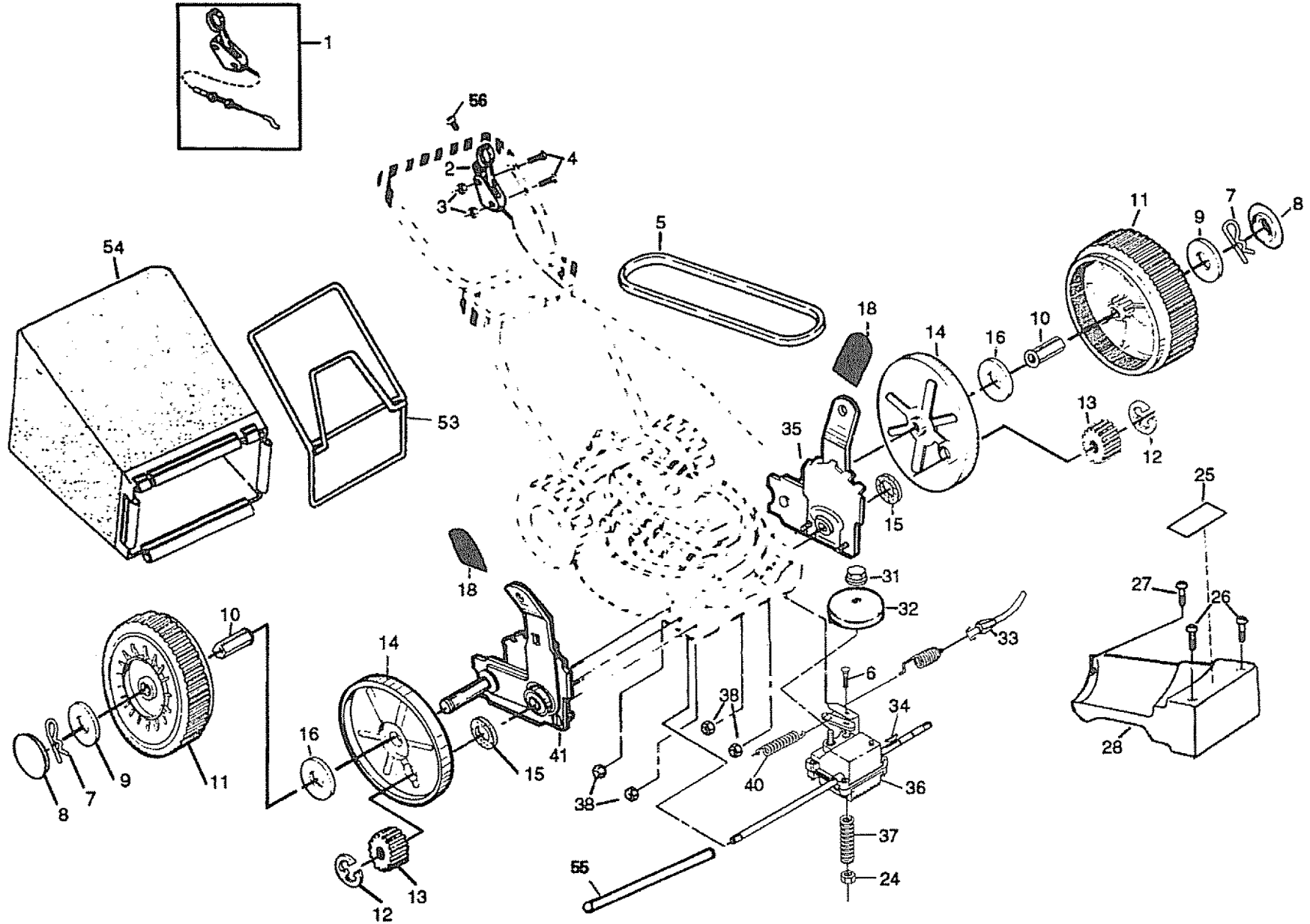
Available accessories not included with lawn mower:

<u>71</u>	33303	Clipping Deflector
<u>71</u>	33623	Gas Can (2.5 gal.)
<u>71</u>	33500	Fuel Stabilizer
<u>71</u>	33300	SAE 30W Oil (20 oz.)
<u>71</u>	33417	Dust Shield
<u>71</u>	33316	Mower Cover

# REPAIR PARTS

CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

22



# REPAIR PARTS

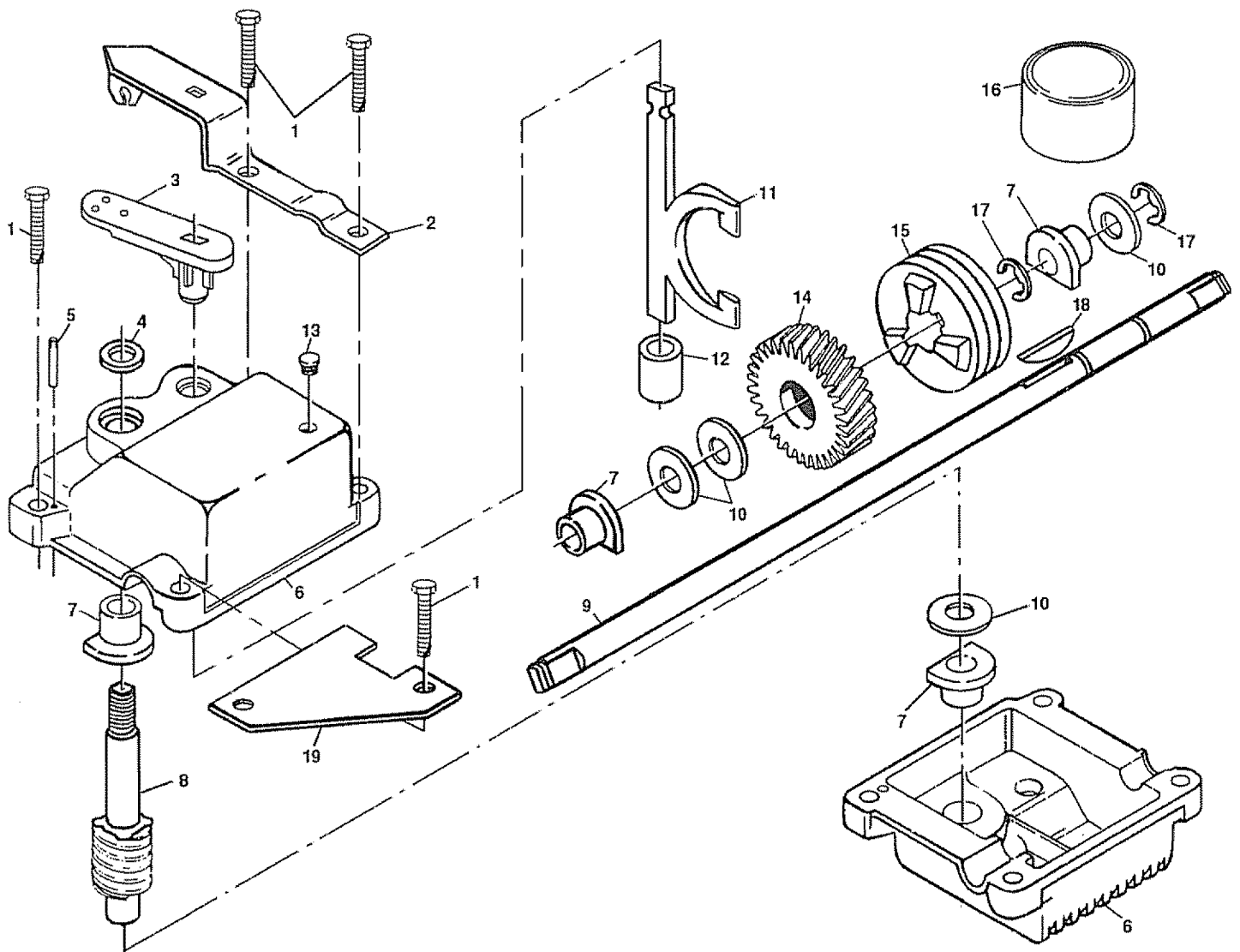
## CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	137076	Control Cable Assembly	25	702182	Drive Cover Decal
2	48029	Control Head Kit	26	87866	Pan Head Tapping Screw #10-24 x 2-3/4
3	74189	Locknut #10-24	27	750097	Hex Washer Head Screw #10-24 x 3/4
4	750029	Pan Head Machine Screw #10-24 x 2	28	137088	Drive Cover
5	137078	V-Belt	31	132010	Hex Flange Nut
6	700875	Carriage Bolt 1/4-20 x 2	32	137052	Drive Pulley
7	85179	Retainer Clip	33	48323	Drive Control Cable Kit
8	77400	Hubcap	34	850848	Hi-Pro Key
9	52160	Washer	35	700339	Wheel Adjuster Assembly (Left)
10	86960	Nylon Bushing	36	702511	Gear Case Assembly
11	700953	Wheel & Tire Assembly	37	137090	Spring
12	12000057	E-Ring	38	STD541425	Locknut 1/4-20
13	137054	Pinion	40	75192	Spring
14	88080	Dust Cover	41	700340	Wheel Adjuster Assembly (Right)
15	88118	Felt Washer	53	88614	Frame Assembly
16	67725	Washer 1/2 x 1-1/2 x .134	54	751663	Grassbag Assembly
18	87877	Selector Knob	55	86012	Driveshaft Cover
			56	851552	Screw, Pan Head, Hi-Lo #10-16 x 1/2

# REPAIR PARTS

22" CRAFTSMAN POWER PROPELLED LAWN MOWER - - MODEL NO. 917.373231

GEAR CASE ASSEMBLY PART NUMBER 702511



KEY NO.	PART NO.	DESCRIPTION
1	17490416	Screw, Tapping 1/4-20 x 1-1/4
2	137055	Bracket, Adjusting
3	137053	Shifter
4	57072	Seal
5	57388	Pin, Grooved 1/8 x 1/2
6	48281	Gear Case Halves, Upper and Lower (Includes Key #4, 5 and 7)
7	77881	Bearing
8	137051	Shaft, Worm
9	137074	Drive Shaft

KEY NO.	PART NO.	DESCRIPTION
10	57079	Washer, Hardened
11	131484	Yoke, Clutch
12	700343	Bushing
13	86447	Plug
14	137050	Gear, Helical
15	750436X	Jaw, Clutch
16	750355	Grease
17	12000003	E-Ring
18	850848	Key, Hi-Pro
19	81585X004	Spring Bracket

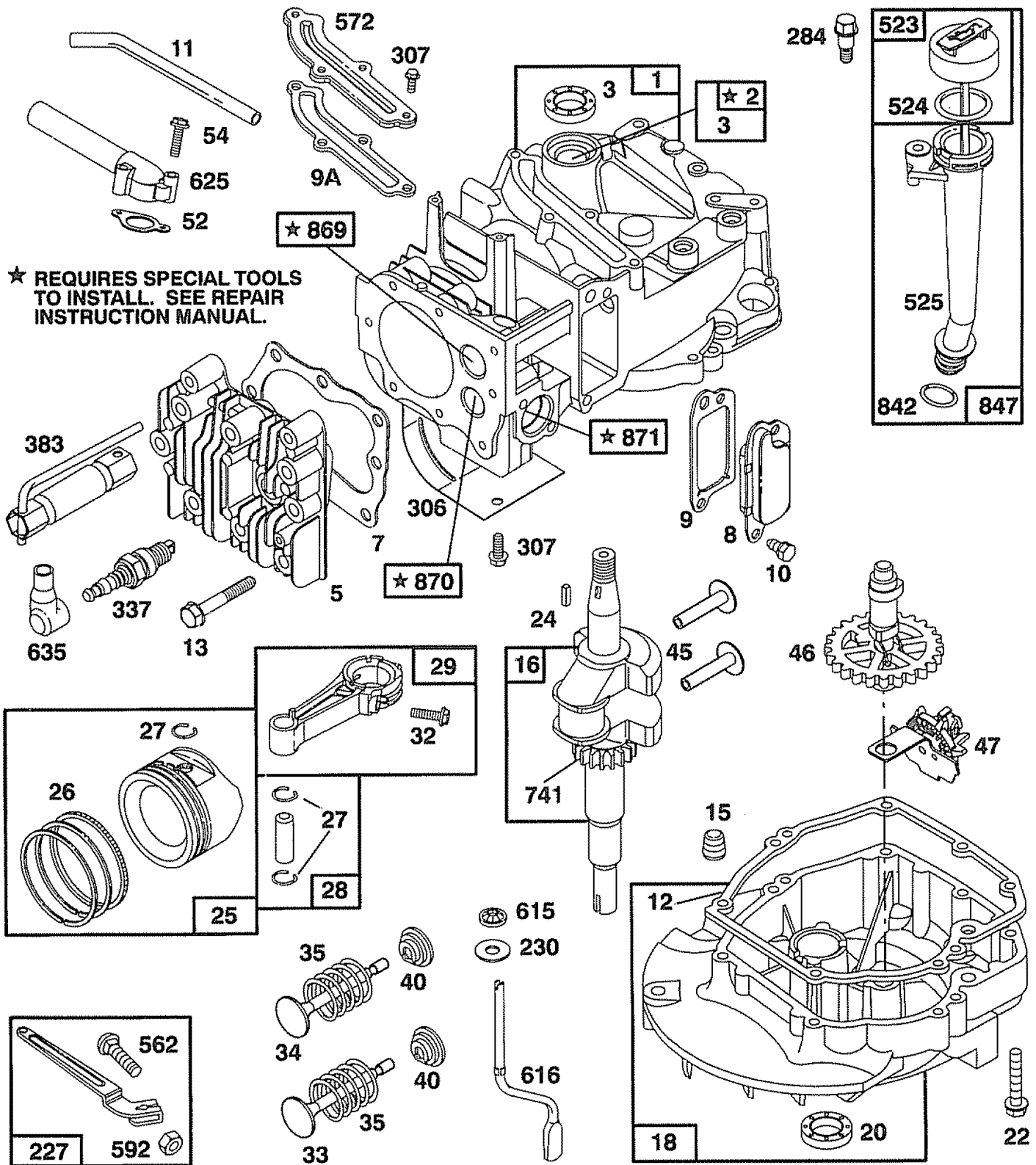
**NOTE:** All component dimensions given in U.S. inches  
1 inch = 25.4 mm

**NOTE:** To reseal housing halves use Loctite No. 515

# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

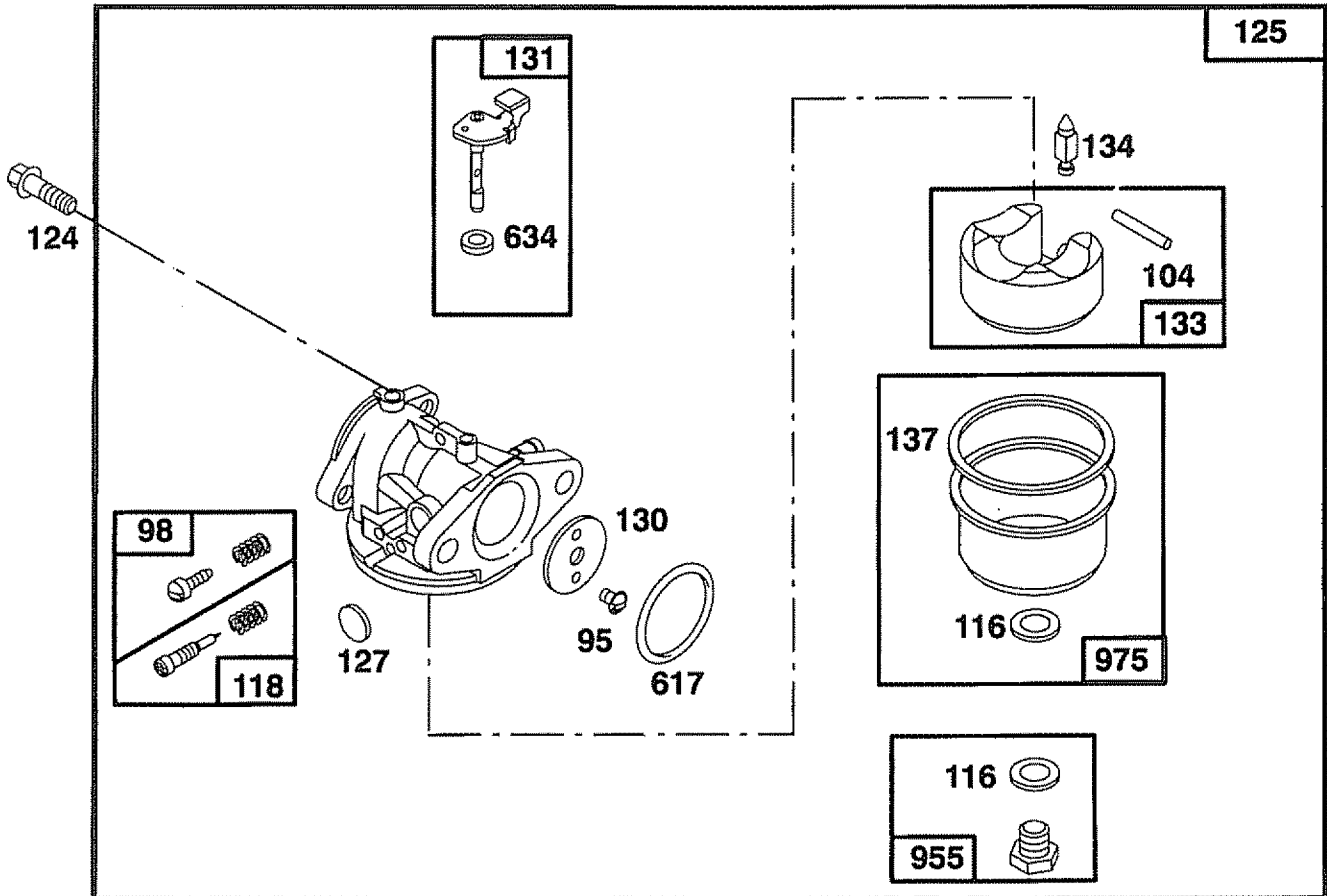
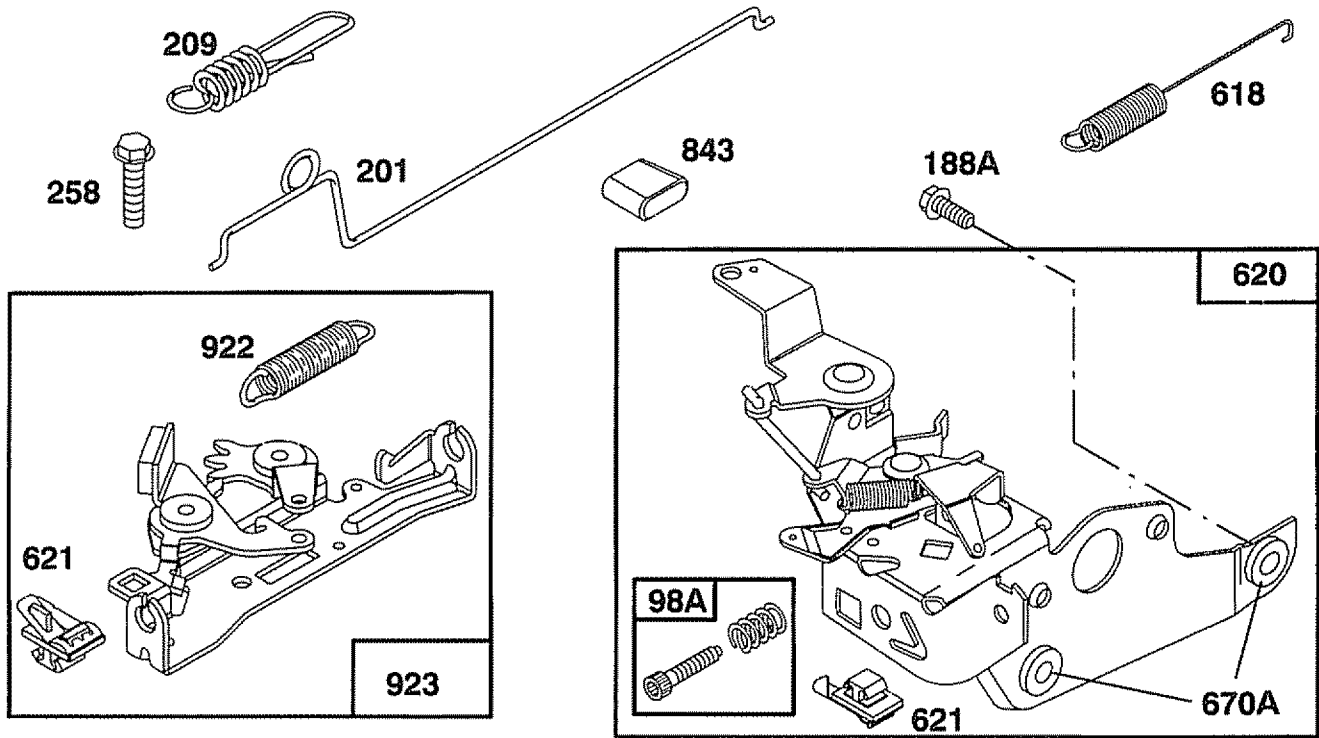
BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01





# REPAIR PARTS

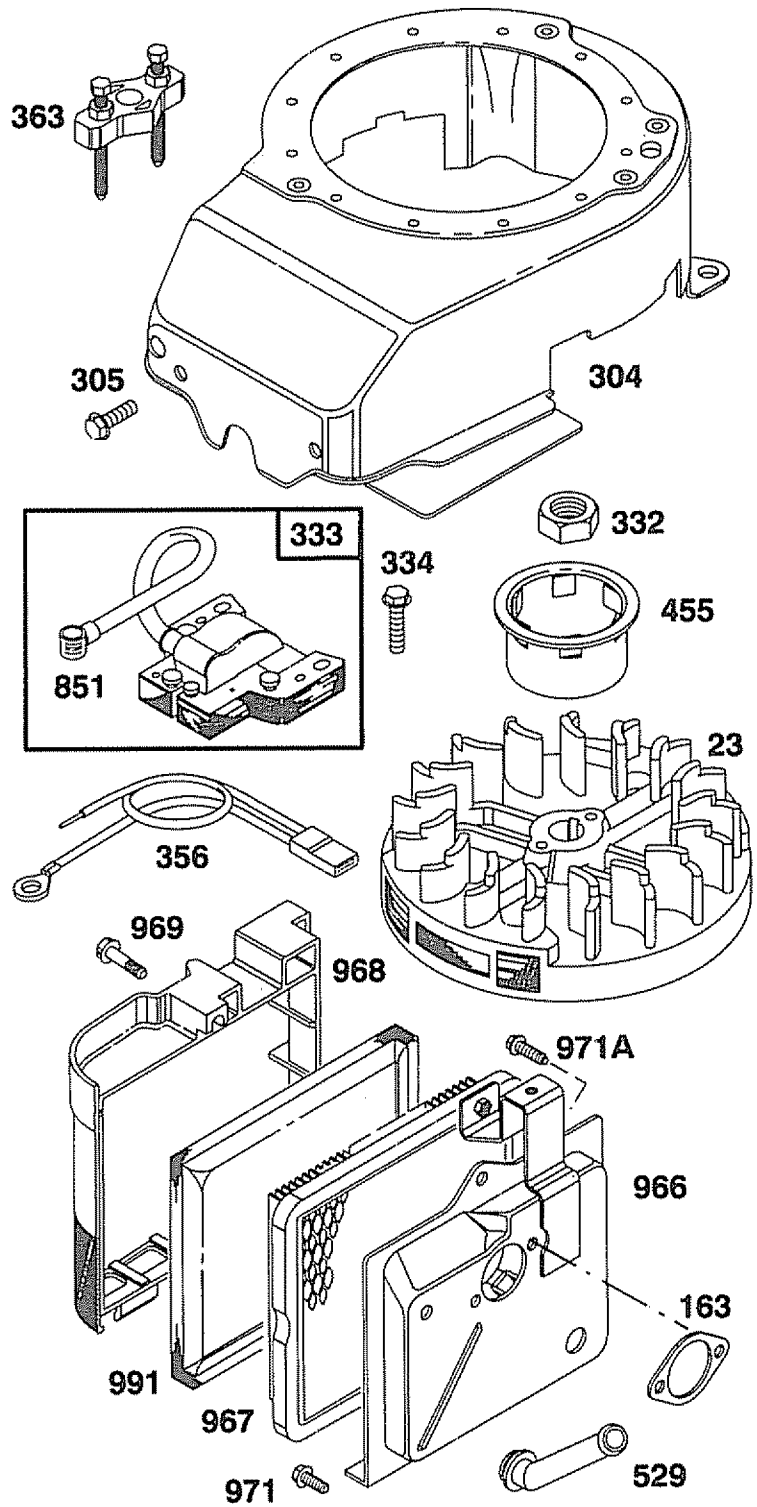
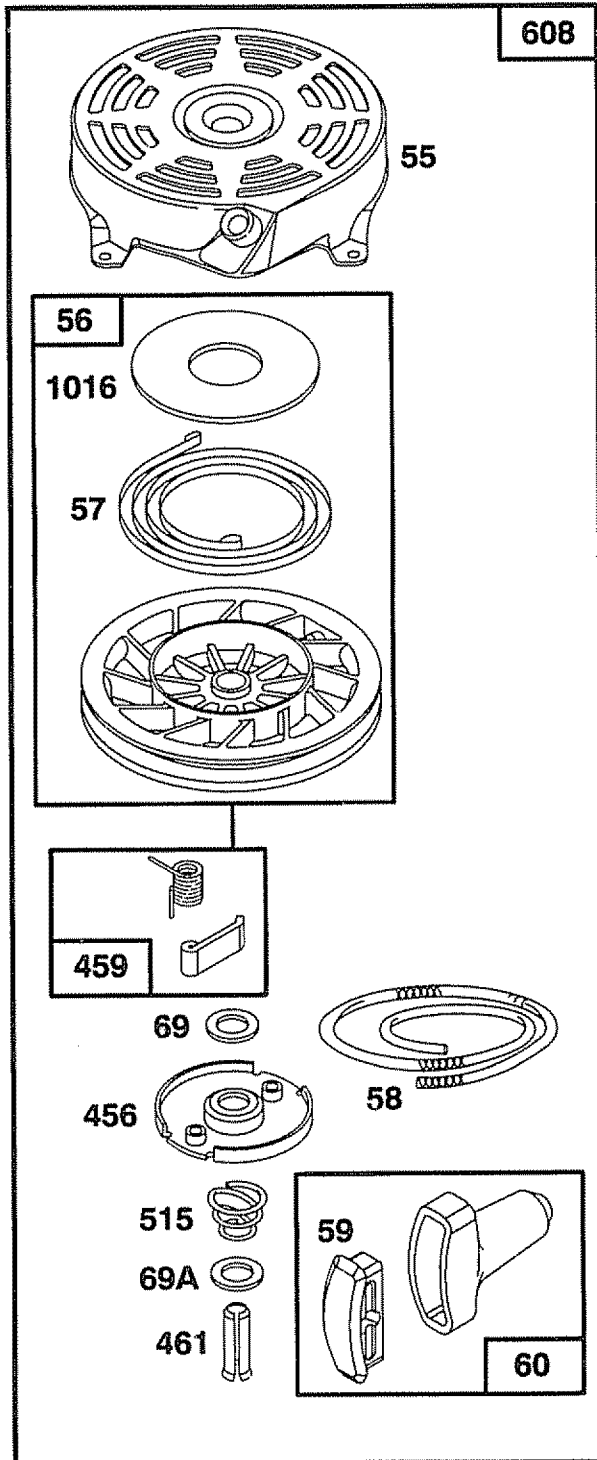
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 BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01



# REPAIR PARTS

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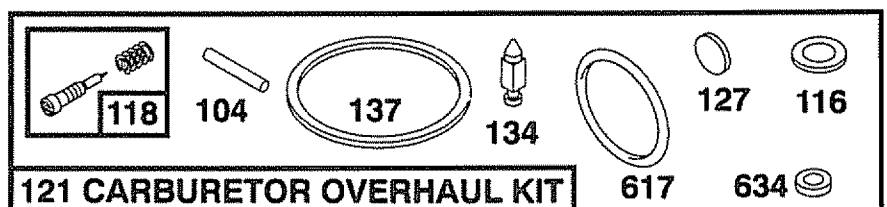
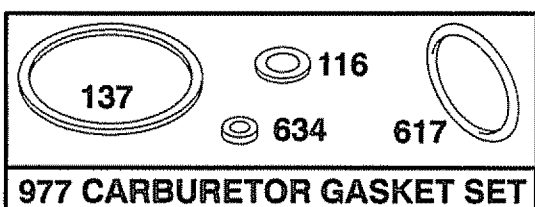
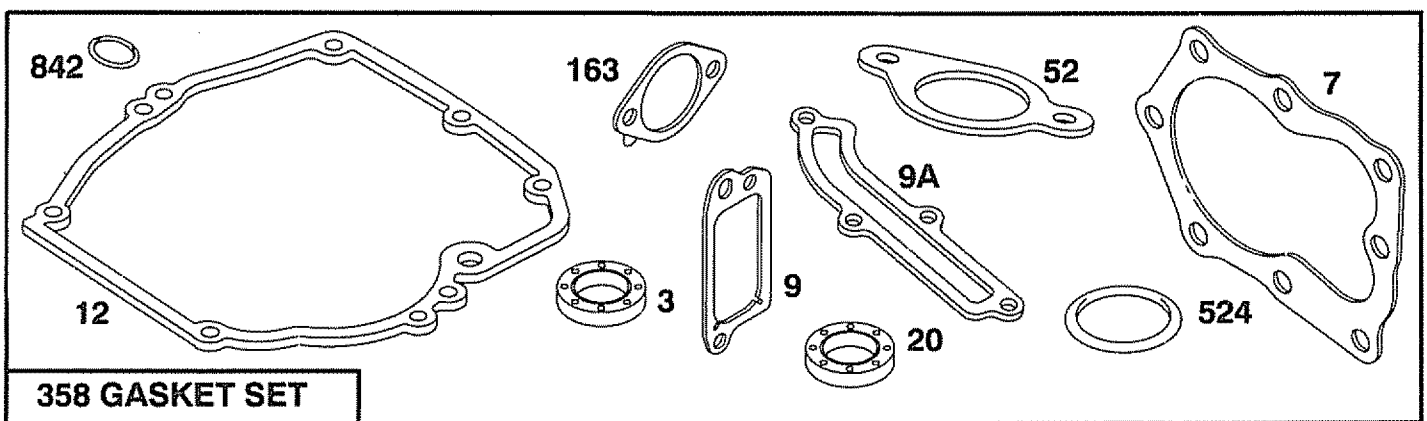
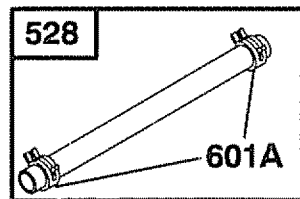
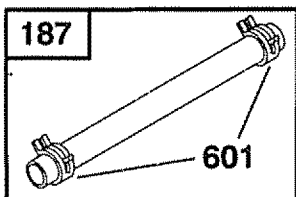
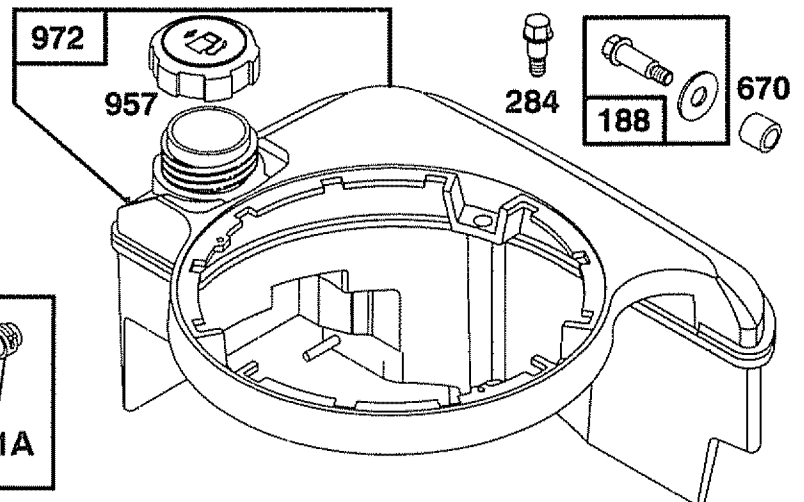
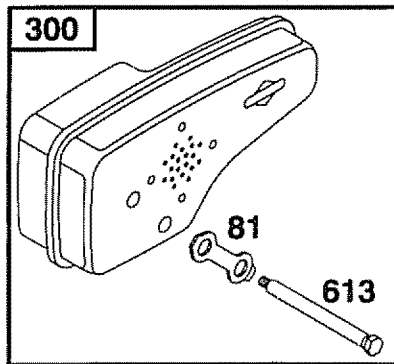
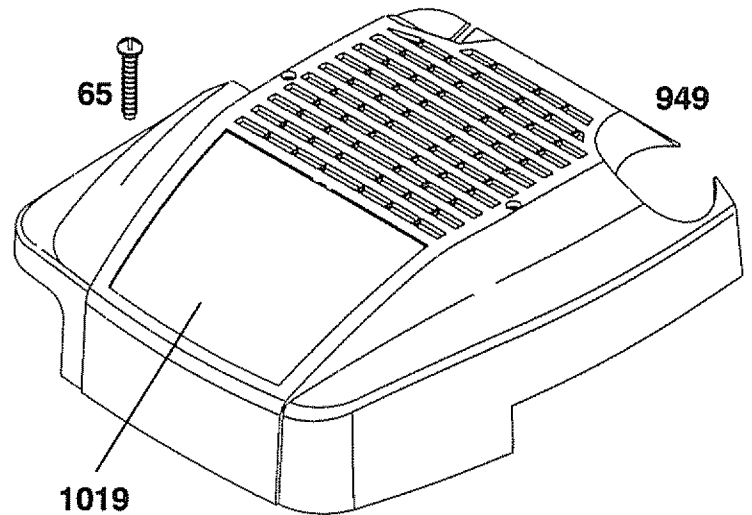
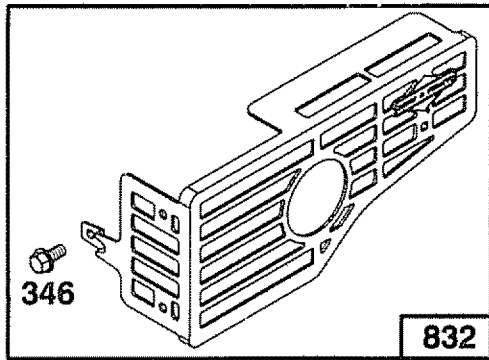
BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01



# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01



# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01

KEY PART			KEY PART		
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	494062	Cylinder Assembly	46	492830	Gear, Cam
2	399269	Bushing, Cylinder	47	493737	Oil Slinger Gear and Bracket
3	299819	* Seal, Oil	52	272199	* Gasket, Intake Elbow
5	213861	Head, Cylinder	54	94526	Screw, Intake Elbow Mounting
7	272200	* Gasket, Cylinder Head	55	492831	Housing, Rewind Starter
8	494489	Breather, Valve Chamber	56	493824	Pulley, Rewind Starter
9	272481	* Gasket, Valve Cover	57	262594	Spring, Rewind Starter
9A	272238	* Gasket, Baffle Plate	58	280399	Rope, Rewind Starter (Cut To 88-5/8")
10	94650	Screw, Breather Mounting	59	396892	Insert, Handle
11	231685	Tube, Breather	60	393152	Handle, Rewind Starter
12	272198	* Gasket, Crankcase	65	94696	Screw, Guard Mounting
13	94547	Screw, Cylinder Head	69	280973	Washer, Rewind Starter
15	94720	Plug, Oil Drain	69A	224322	Washer, Rewind Starter
16	493362	Crankshaft	81	223664	Lock, Muffler Screw
	94388	Timing Gear Key	95	94098	Screw, Sems, Throttle Valve Mounting
18	493279	Sump, Engine	98	398185	Screw, Idle Adjustment
20	399781	* Seal, Oil	98A	493280	Screw Assembly, Speed Adjust
22	94220	Screw, Sump Mounting, Sems	104	231371	** Pin, Float Hinge
	94612	Screw, Sump Mounting (Used in Hole Nearest Breather)	116	- - -	*** Gasket, Sealing (Sold in Kit Only)
23	492177	Flywheel, Magneto	118	493765	** Valve and Spring, Needle
24	222698	Key, Flywheel	121	493762	Carburetor Overhaul Kit
25	494058	Piston Assembly, Standard Size	124	94525	Screw, Carburetor Mounting
	494059	Piston Assembly .010" Oversize	125	493627	Carburetor Assembly
	494060	Piston Assembly .020" Oversize	127	- - -	** Plug, Welch (Sold in Kit Only)
	494061	Piston Assembly .030" Oversize	130	223470	Valve, Throttle
26	493261	Ring Set, Piston, Standard Size	131	493267	Shaft and Lever, Throttle
	493388	Ring Set, Piston .010" Oversize	133	398187	Float Assembly, Carburetor
	493389	Ring Set, Piston .020" Oversize	134	398188	** Valve, Inlet (Includes Seat)
	493390	Ring Set, Piston .030" Oversize	137	- - -	*** Gasket, Bowl (Sold in Kit Only)
27	26026	Lock, Piston Pin	163	272296	* Gasket, Air Cleaner
28	298909	Pin Assembly, Piston, Standard	187	492790	Hose, Fuel
	298908	Pin Assembly, Piston .005" Over	188	398540	Screw, Tank Mounting (Includes Washer)
29	490566	Rod Assembly, Connecting	188A	94644	Screw, Hex Head
	490743	Rod Assembly, Connecting .020" Undersize Crankpin Bearing	201	262579	Link, Governor
32	94405	Screw, Connecting Rod	209	262660	Spring, Governor
33	262651	Valve, Exhaust	227	492349	Lever Assembly, Governor
34	262652	Valve, Intake	230	67072	Washer, Governor Crank
35	262224	Spring, Valve	258	94512	Screw, Hex Head
38	94608	Screw, Hex Head	284	94511	Screw, Hex Head
40	93312	Retainer, Valve Spring		*	Included in Gasket Set (493263)
45	262204	Tappet, Valve		**	Included in Carburetor Overhaul Kit (493762)
				***	Included in both Carburetor Overhaul Kit (493762), and Carburetor Gasket Set (490937)

**NOTE:** All component dimensions given in U.S. inches  
1 inch = 25.4 mm

# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01

## KEY PART

NO.	NO.	DESCRIPTION
300	490547	Muffler, Exhaust
304	493293	Housing, Blower
305	94744	Screw, Sems, Hex Head
306	224324	Shield, Cylinder
307	94515	Screw, Hex Head
332	92284	Nut, Flywheel
333	802574	Armature, Magneto
334	94731	Screw, Armature Mounting
337	802592	Plug, Spark
346	94602	Screw, Hex Head
353	94581	Locknut
356	398808	Wire, Ground
358	493263	Gasket Set
363	19069	Puller, Flywheel
383	89838	Wrench, Spark Plug
387	394281	Primer, Fuel
455	224250	Cup, Starter
456	224321	Retainer, Rewind Starter
459	492833	Pawl, Starter
461	262626	Pin, Starter
515	262625	Spring, Torsion
523	493950	Cap With Dipstick, Oil Filler
524	280393	* Seal, Filler Tube
525	493952	Tube, Oil Filler
528	399254	Hose, Primer
529	280943	Grommet, Breather
562	92613	Bolt, Governor Lever
572	224328	Baffle, Cylinder
592	231082	Nut, Hex
601	93807	Clamp, Hose, Black
601A	94171	Clamp, Hose
608	493295	Starter Assembly, Rewind
	Includes:	94128 Screw, Hex Head
		92987 Nut, Hex
613	94231	Screw, Muffler Mounting
615	94474	Pushnut, Governor Crank
616	262578	Crank, Governor
617	270344	*** Seal, Fuel Intake Tube
620	493895	Bracket Assembly, Carburetor Control

## KEY PART

NO.	NO.	DESCRIPTION
621	396847	Switch, Stop
625	492717	Tube, Fuel Intake
634	---	*** Washer, Shaft (Sold in Kit Only)
635	66538	Elbow, Spark Plug
670	280512	Spacer, Fuel Tank
670A	493823	Spacer, Carburetor Bracket (2)
741	262598	Gear, Timing
832	494224	Guard, Muffler
842	280966	* Seal, O-Ring
843	272616	Sleeve, Control Lever
847	493459	Dipstick and Tube Assembly, Oil Filler
851	221798	Terminal, Ignition Cable
869	213512	Seat, Intake Valve, Standard
870	213513	Seat, Exhaust Valve, Standard
871	262001	Guide, Exhaust Valve
	63709	Guide, Intake Valve (See Repair Instruction Manual)
922	262640	Spring, Brake
923	493442	Brake Assembly
949	281191	Guard, Finger
955	493637	Screw, Fuel Bowl, Standard
957	397974	Cap Assembly, Fuel
966	494735	Base, Air Cleaner
967	491588	Filter, Air
968	281069	Cover, Air Cleaner
969	94173	Screw, Cover Mounting
971	94269	Screw, Air Cleaner
971A	94121	Screw, Base to Carburetor
972	495224	Tank Assembly, Fuel
975	493640	Bowl Assembly, Carburetor
977	490937	Gasket Set, Carburetor
991	493537	Pre-Filter
1016	224278	Cover, Rewind Starter
1019	495354	Label Kit
	*	Included in Gasket Set (493263)
	**	Included in Carburetor Overhaul Kit (493762)
	***	Included in both Carburetor Overhaul Kit(493762), and Carburetor Gasket Set (490937)

**NOTE:** All component dimensions given in U.S. inches  
1 inch = 25.4 mm

RPM Settings:      Low Speed 1900-2100  
                             High Speed 3000-3200

## SERVICE NOTES

**SEARS**

**OWNER'S  
MANUAL**

**MODEL NO.  
917.373231**

**HOW TO ORDER  
REPAIR PARTS**

**CRAFTSMAN®**

**5.0 HORSEPOWER  
22" REAR DISCHARGE  
3 in ONE Convertible  
POWER PROPELLED  
ROTARY LAWN MOWER**

Each lawn mower has its own model number. Each engine has its own model number.

The model number for your lawn mower will be found on a decal attached to the rear of the lawn mower housing.

The model number for your engine will be found on the blower housing of the engine.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Center/Department and most Retail Stores.

**WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:**

- **PRODUCT - LAWN MOWER**
- **MODEL NUMBER - 917.373231**
- **ENGINE MODEL NO. - 126802, TYPE NO. 3215-01**
- **PART NUMBER**
- **PART DESCRIPTION**

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.

702553 02/02/93

Printed in U.S.A.

**Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.**

**SEARS**

55-02-42

# CRAFTSMAN®

MODEL NUMBER 917.373231 OWNER'S MANUAL

**3one™**  
Convertible



- Assembly
- Operation
- Customer Responsibilities
- Service
- Adjustments
- Repair Parts

**Caution:**  
Read and Follow  
all Safety Rules  
and Instructions  
Before Operating  
This Equipment

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.



# SAFETY RULES



**CAUTION: ALWAYS DISCONNECT SPARK PLUG WIRE AND PLACE WIRE WHERE IT CANNOT CONTACT SPARK PLUG TO PREVENT ACCIDENTAL STARTING WHEN SETTING UP, TRANSPORTING, ADJUSTING OR MAKING REPAIRS.**



## IMPORTANT

**SAFETY STANDARDS REQUIRE OPERATOR PRESENCE CONTROLS TO MINIMIZE THE RISK OF INJURY. YOUR UNIT IS EQUIPPED WITH SUCH CONTROLS. DO NOT ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR PRESENCE CONTROLS UNDER ANY CIRCUMSTANCES.**

### TRAINING:

- Read this operator's manual carefully. Become familiar with the controls and know how to operate your mower properly. Learn how to quickly stop mower.
- Do not allow children to use your mower. Never allow adults to use mower without proper instructions.
- Keep the area of operation clear of all persons, especially small children and pets.
- Use mower only as the manufacturer intended and as described in this manual.
- Do not operate mower if it has been dropped or damaged in any manner. Always have damage repaired before using your mower.
- Do not use accessory attachments that are not recommended by the manufacturer. Use of such attachments may be hazardous.
- Be aware that the mower blade turns when the engine is running.
- Always stop the engine whenever you leave or are not using your mower, or before crossing driveways, walks, roads, and any gravel-covered areas.
- Never direct discharge of material toward bystanders nor allow anyone near the mower while you are operating it.
- Before cleaning, inspecting, or repairing your mower, stop the engine and make absolutely sure the blade and all moving parts have stopped. Then disconnect the spark plug wire and keep it away from the spark plug to prevent accidental starting.
- Do not continue to run your mower if you hit a foreign object. Follow the procedure outlined above, then repair any damage before restarting and operating you mower.
- Do not change the governor settings or overspeed the engine. Engine damage or personal injury may result.
- Do not operate your mower if it vibrates abnormally. Excessive vibration is an indication of damage; stop the engine, safely check for the cause of vibration and repair as required.
- Do not run the engine indoors. Exhaust fumes are dangerous.
- Never cut grass by pulling the mower towards you. Mow across the face of slopes, never up and down or you might lose your footing. Do not mow excessively steep slopes. Use caution when operating the mower on uneven terrain or when changing directions - maintain good footing.
- Never operate your mower without proper guards, plates, grass catcher or other safety devices in place.

### PREPARATION:

- Always thoroughly check the area to be mowed and clear it of all stones, sticks, wires, bones, and other foreign objects. These objects will be thrown by the blade and can cause severe injury.
- Always wear safety glasses or eye shields when starting and while using your mower.
- Dress properly. Do not operate mower when barefoot or wearing open sandals. Wear only solid shoes with good traction when mowing.
- Check fuel tank before starting engine. Do not fill gas tank indoors, when the engine is running or when the engine is hot. Allow the engine to cool for several minutes before filling the gas tank. Clean off any spilled gasoline before starting the engine.
- Always make wheel height adjustments before starting your mower. Never attempt to do this while the engine is running.
- Mow only in daylight or good artificial light.

### OPERATION:

- Keep your eyes and mind on your mower and the area being cut. Do not let other interests distract you.
- Do not mow wet or slippery grass. Never run while operating your mower. Always be sure of your footing - keep a firm hold on the handles and walk.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.

### MAINTENANCE AND STORAGE:

- Check the blade and the engine mounting bolts often to be sure they are tightened properly.
- Check all bolts, nuts and screws at frequent intervals for proper tightness to be sure mower is in safe working condition.
- Keep all safety devices in place and working.
- To reduce fire hazard, keep the engine free of grass, leaves or excessive grease and oil.
- Check grass catcher often for deterioration and wear and replace worn bags. Use only replacement bags that are recommended by and comply with specifications of the manufacturer of your mower.
- Always keep a sharp blade on your mower.
- Allow engine to cool before storing in any enclosure.
- Never store mower with fuel in the tank inside a building where fumes may reach an open flame or an ignition source such as a hot water heater, space heater, clothes dryer, etc.



**LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS - ATTENTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.**

**CONGRATULATIONS** on your purchase of a Sears Craftsman Lawn Mower. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problems you cannot easily remedy, please contact your nearest Sears Service Center/Department. Sears has competent, well trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your lawn mower properly. Always observe the "SAFETY RULES".

**PRODUCT SPECIFICATIONS**

HORSEPOWER:	5.0
DISPLACEMENT:	11.57 cu. in.
GASOLINE CAPACITY:	1.6 quarts (Unleaded)
OIL (20 oz. Capacity):	SAE 30 (Above 32°F) 5W30 (Below 32°F)
SPARK PLUG (Gap .030 in.): (0.76 mm)	Champion RJ19LM or Sears <sup>TM</sup> 33312 or STD 361458 or STD 360950
VALVE CLEARANCE: Intake:	.005-.007 in.
Exhaust:	.007-.009 in.
SOLID STATE IGNITION AIR GAP:	.010 in.
BLADE BOLT TORQUE:	35-40 ft.-lbs.

<p>MODEL NUMBER 917.373231</p> <p>SERIAL NUMBER _____</p> <p>DATE OF PURCHASE _____</p> <p>THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A DECAL ATTACHED TO THE REAR OF THE LAWN MOWER HOUSING.</p> <p>YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.</p>
--

**MAINTENANCE AGREEMENT**

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

**CUSTOMER RESPONSIBILITIES**

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your lawn mower.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this Owner's Manual.

**LIMITED TWO YEAR WARRANTY ON CRAFTSMAN POWER MOWER**

For two years from date of purchase, when this Craftsman Lawn Mower is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the owner's manual, Sears will repair free of charge any defect in material or workmanship.

If this Craftsman Lawn Mower is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as rotary mower blades, blade adapters, belts, air cleaners and spark plug.
- Repairs necessary because of operator abuse or negligence, including bent crankshafts and the failure to maintain the equipment according to the instructions contained in the owner's manual.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE CRAFTSMAN POWER MOWER TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES. THIS WARRANTY APPLIES ONLY WHILE THIS PRODUCT IS IN USE IN THE UNITED STATES.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SEARS, ROEBUCK AND CO., D/817 WA, HOFFMAN ESTATES, ILLINOIS 60179

# TABLE OF CONTENTS

SAFETY RULES .....	2	SERVICE AND ADJUSTMENTS .....	15
PRODUCT SPECIFICATIONS .....	3	STORAGE .....	18
CUSTOMER RESPONSIBILITIES .....	3, 12-14	TROUBLESHOOTING .....	19
WARRANTY .....	3	REPAIR PARTS - LAWN MOWER .....	20-24
LAWN MOWER ACCESSORIES .....	5	REPAIR PARTS - ENGINE .....	25-30
ASSEMBLY .....	6	PARTS ORDERING/SERVICE . BACK COVER	
OPERATION .....	8		



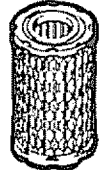
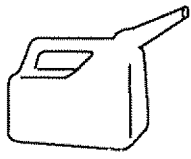
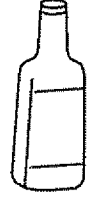

## INDEX

<b>A</b>		<b>F</b>		<b>P</b>	
Accessories .....	5	Fuel:		Repair Parts	
Adjustments:		Type .....	10	Lawn Mower .....	20-24
Carburetor .....	17	Storage .....	18	Engine .....	25-30
Handle Height .....	16			<b>R</b>	
Height of Cut .....	9			Responsibilities, Customer ....	3, 12-14
Air Filter:		<b>H</b>		<b>S</b>	
Service .....	14	Handle:		Safety Rules .....	2
Assembly:		Adjustment .....	16	Service and Adjustments:	
Handle .....	6	Assembly .....	6	Carburetor .....	17
Grass Catcher .....	7			Drive Belt .....	15
<b>B</b>		<b>L</b>		Engine Speed .....	17
Blade:		Lubrication:		Handle .....	16
Sharpening .....	13	Engine .....	12	Spark Plug .....	14
Replacement .....	13	Rear Door Hinge .....	12	Specifications .....	3
<b>C</b>		Handle Bracket Mounting Pin ..	12	Starting the Engine .....	10
Controls:		Wheel Adjuster .....	12	Stopping the Engine .....	10
Operator Presence Control Bar .	8	<b>M</b>		Storage .....	18
Drive Control .....	8	Maintenance Agreement .....	3	<b>T</b>	
Customer Responsibilities ....	3, 12-14	Maintenance Schedule .....	12	Trouble Shooting Chart .....	19
Air Filter .....	14	Mowing Tips .....	11	<b>W</b>	
Blade Care/Replacement .....	13	Mulching/Mowing Tips .....	11	Warranty .....	3
Drive Wheels .....	13	<b>O</b>		Wheels:	
Engine .....	14	Oil:		Wheel Adjusters .....	8
Gear Case .....	13	Engine .....	14		
Lubrication .....	12	Storage .....	18		
Spark Plug .....	14	Operation:			
<b>E</b>		Operating Lawn Mower .....	9		
Engine:		Drive Control .....	9		
Oil Change .....	14	Operator Presence Control Bar .....	8		
Oil Level .....	14	Options:			
Oil Type .....	14	Attachments .....	5		
Starting .....	10				
Storage .....	18				



# LAWN MOWER ACCESSORIES

These accessories were available when this lawn mower was produced. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can also order repair parts for you, when you provide the model number of your lawn mower. Some of these accessories may not apply to your lawn mower.


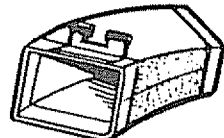
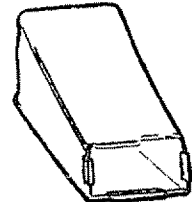
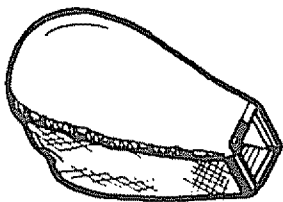
## ENGINE

<b>SPARK PLUG</b> 	<b>MUFFLER</b> 	<b>AIR FILTER</b> 	<b>GAS CAN</b> 	<b>ENGINE OIL</b> 	<b>STABILIZER</b> 
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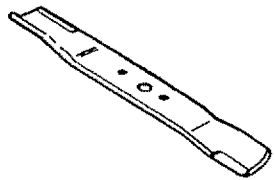
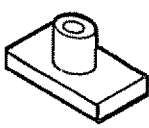
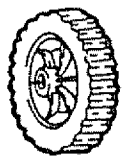

If lawn mower is an electric start

<b>CHARGER</b> 	<b>BATTERY</b> 
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## LAWN MOWER PERFORMANCE

<b>REAR BAG OPTIONAL</b>	<b>DUST SHIELD</b> 	<b>CLIPPING DEFLECTOR</b> 
	<b>REPLACEMENT BAG FOR REAR DISCHARGE LAWN MOWERS</b>	<b>FABRIC BAG</b> 
		<b>SIDE DISCHARGE CATCHER</b> 

## LAWN MOWER MAINTENANCE

<b>BELT</b> 	<b>BLADE</b> 	<b>BLADE ADAPTER</b> 	<b>WHEELS</b> 	<b>LAWN MOWER COVER</b> 
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# ASSEMBLY

Read these instructions and the Operator's Manual in its entirety before you attempt to assemble or operate your new lawn mower. Your new lawn mower has been assembled at the factory with the exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your lawn mower, all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to ensure proper tightness. All parts such as nuts, washers, bolts, etc., necessary to complete the assembly have been placed in the parts bag.

## TO REMOVE LAWN MOWER FROM CARTON

- Remove loose parts included with mower.
- Cut down two end corners of carton and lay end panel down flat.
- Remove all packing materials except padding between upper and lower handle and padding holding operator presence control bar to upper handle.
- Roll lawn mower out of carton and check carton thoroughly for additional loose parts.

## HOW TO SET UP YOUR LAWN MOWER

### TO UNFOLD HANDLE (See Fig. 1)

**IMPORTANT:** UNFOLD HANDLE CAREFULLY SO AS NOT TO PINCH OR DAMAGE CONTROL CABLES

- Raise handles until lower handle section locks into place in mowing position.
- Raise upper handle section into place on lower handle, remove protective padding and tighten both handle knobs.
- Remove handle padding holding operator presence control bar to upper handle.
- Your lawn mower handle can be adjusted for your mowing comfort. Refer to "Adjust Handle" in the Service and Adjustment section of this manual.

### TO INSTALL ATTACHMENTS (See Fig. 2)

Your lawn mower was shipped ready to be used as a mulcher. To convert to bagging or discharging:

- Open rear door and remove mulcher plate. Store mulcher plate in a safe place.
- You can now install catcher or optional clipping deflector.
- To return to mulching operation, install mulcher plate into discharge opening of mower. Be sure all tabs are seated properly.

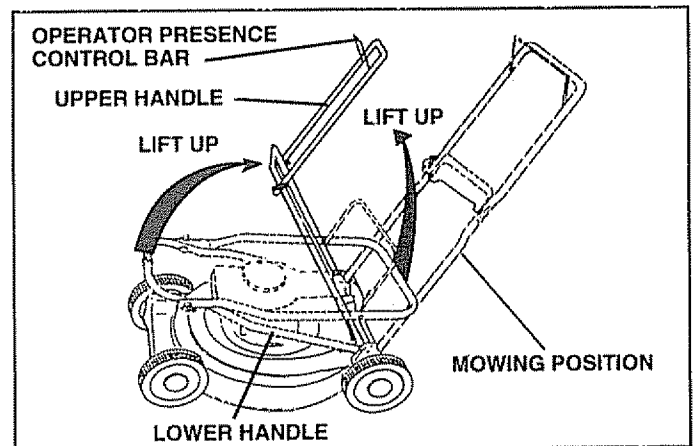


FIG. 1

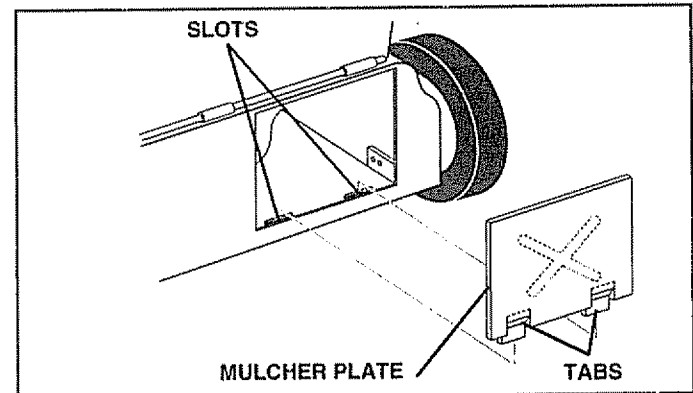


FIG. 2



**CAUTION:** Do not run your lawn mower without mulcher plate in place or approved clipping deflector or grass catcher in place. Never attempt to operate the lawn mower with the rear door removed or propped open.

# ASSEMBLY

## TO ASSEMBLE & ATTACH GRASS CATCHER (See Figs. 3-4)

- Put grass catcher frame into grass bag with rigid part of bag on the bottom.
- Slip vinyl bindings over frame.

**NOTE:** If vinyl bindings are too stiff, hold them in warm water for a few minutes. If bag gets wet, let it dry before using.

- Lift the rear door on the mower housing and place the grass catcher frame onto the formed tabs on the rear door hinge bracket.
- The grass catcher is secured to the lawn mower housing when the rear door is lowered onto the grass catcher frame.

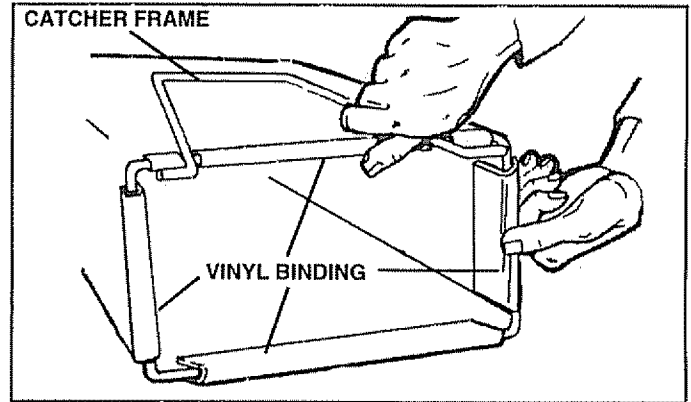


FIG. 3

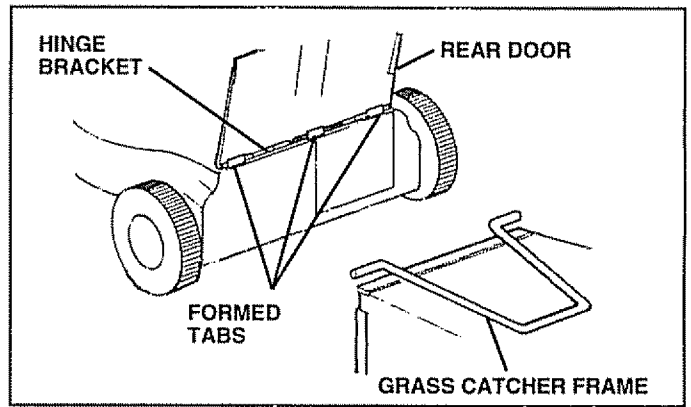


FIG. 4

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# OPERATION

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## KNOW YOUR LAWN MOWER

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR LAWN MOWER. Compare the illustrations with your lawn mower to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

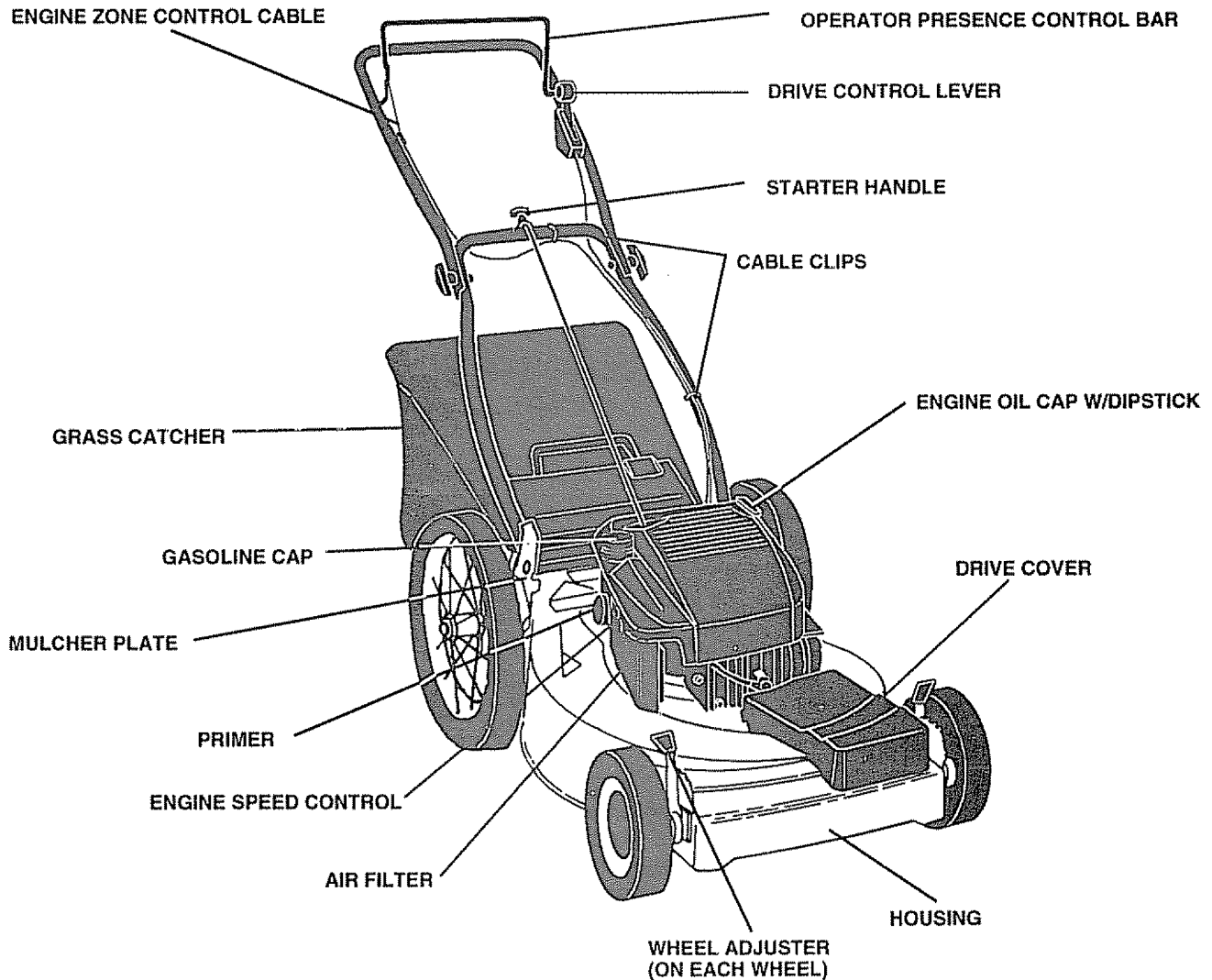


FIG. 5

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## MEETS CPSC SAFETY REQUIREMENTS

Sears rotary walk-behind power lawn mowers conform to the safety standards of the American National Standards Institute and the U.S. Consumer Product Safety Commission. The blade turns when the engine is running.

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**OPERATOR PRESENCE CONTROL** - must be held down to the handle to start the engine. Release to stop the engine.

**PRIMER** - pumps additional fuel from the carburetor to the cylinder for use when starting a cold engine.

**STARTER HANDLE** - used for starting the engine.

**DRIVE CONTROL LEVER** - used to engage power-propelled forward motion of lawn mower.

**ENGINE SPEED CONTROL** - located on the side of the engine which allows you to select either fast (☛) or slow (☞) engine speed.

**MULCHER PLATE** - located at the discharge opening, must be removed when converting to bagging or discharge operation.

# OPERATION

## HOW TO USE YOUR LAWN MOWER



**CAUTION:** Do not run your lawn mower without mulcher plate in place and door closed or without an approved clipping deflector or grasscatcher in place. Never attempt to operate the lawn mower with the rear door removed or propped open.

### ENGINE SPEED (See Fig. 6)

The engine speed is controlled by a lever located on the side of the engine. Fast (↻) position is for starting the engine, normal cutting, and better grass bagging. Slow (↻) position is for light cutting, trimming and fuel economy.

### ENGINE ZONE CONTROL



**CAUTION:** Federal regulations require an engine control to be installed on this lawn mower in order to minimize the risk of blade contact injury. Do not under any circumstances attempt to defeat the function of the operator control. The blade turns when the engine is running.

- Your lawn mower is equipped with an operator presence control bar which requires the operator to be positioned behind the lawn mower handle to start and operate the lawn mower.

### TO ADJUST CUTTING HEIGHT (See Fig. 7)

- Raise wheels for low cut and lower wheels for high cut.
- Wheels are set in low cut for shipping. Adjust cutting height to suit your requirements. Medium position is best for most lawns.
- To change cutting height, squeeze adjuster lever toward wheel. Move wheel up or down to suit your requirements. Be sure all wheels are in the same setting.

### TO EMPTY GRASS CATCHER (See Fig. 8)

- To remove grass catcher, release operator presence control bar to stop engine.
- Lift up rear door and remove the grass catcher by the handle.
- Do not drag the bag when emptying; it will cause unnecessary wear.

### DRIVE CONTROL (See Fig. 9)

- Self-propelling is controlled by holding the operator presence control bar down to the handle and pushing the drive control lever forward until it clicks; then release the lever.
- Forward motion will stop when the operator presence control bar is released. To stop forward motion without stopping engine, release the operator presence control bar slightly until the drive control disengages. Hold operator presence control bar down to handle to continue mowing without self-propelling.
- To keep drive control engaged when turning corners, push down on handle and lift front wheels off ground while turning lawn mower.

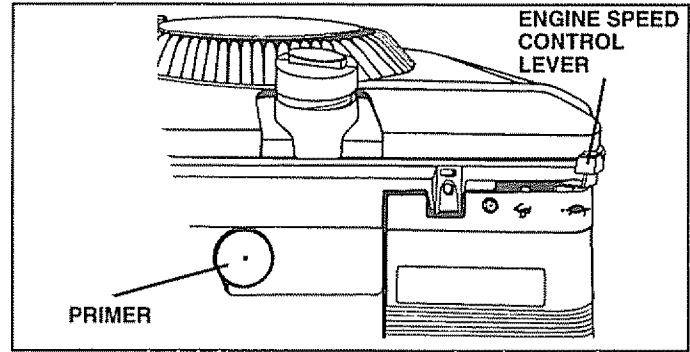


FIG. 6

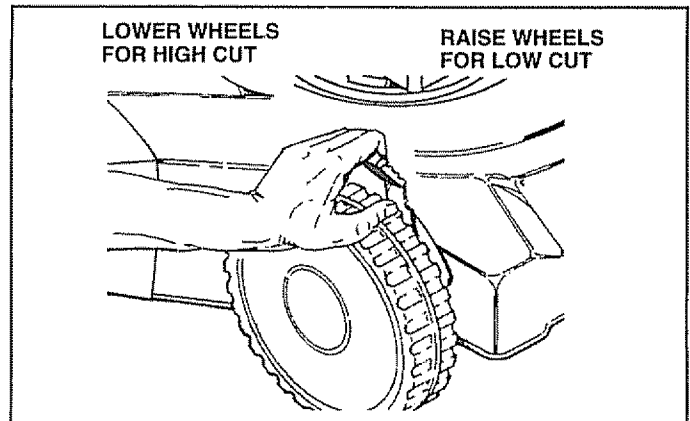


FIG. 7

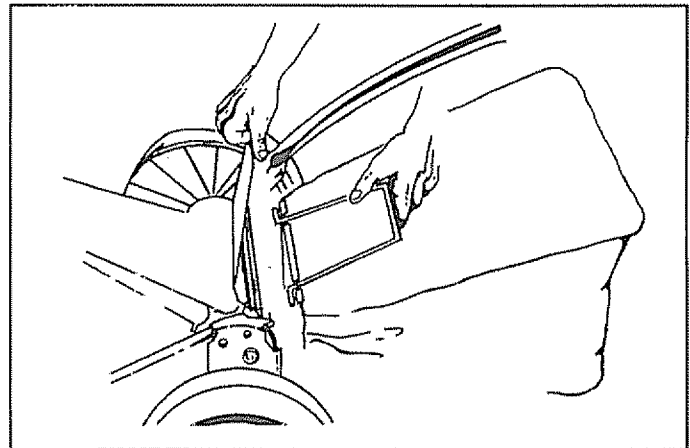


FIG. 8

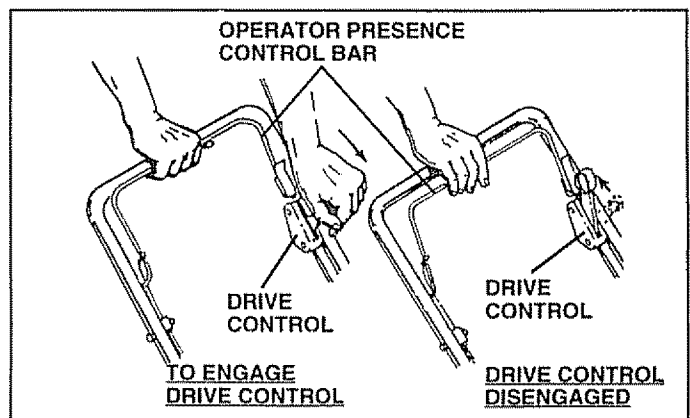


FIG. 9



# OPERATION

## BEFORE STARTING ENGINE OIL (See Fig. 10)

Your lawn mower is shipped without oil in the engine.

- Be sure mower is level and area around oil fill is clean.
- Remove engine oil cap w/dipstick and fill to the full line on the dipstick.
- Use 20 ozs. of oil. For type and grade of oil to use, see "ENGINE" in Customer Responsibilities section of this manual.
- Pour oil slowly. Do not over fill.
- Check oil level before each use. Add oil if needed. Fill to full line on dipstick.
- To read proper level, tighten engine oil cap each time.
- Reinstall engine oil cap and tighten.
- After the first two (2) hours of mowing, change the oil, and every 25 hours thereafter. You may need to change the oil more often under dusty, dirty conditions.

## GAS (See Fig. 10)

- Fill gasoline tank with fresh, clean, unleaded gasoline. DO NOT USE PREMIUM GASOLINE. BE CAREFUL NOT TO OVER FILL TANK.

**WARNING:** Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the fuel tank, start the engine and let it run until fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in fuel tank or permanent damage may occur.

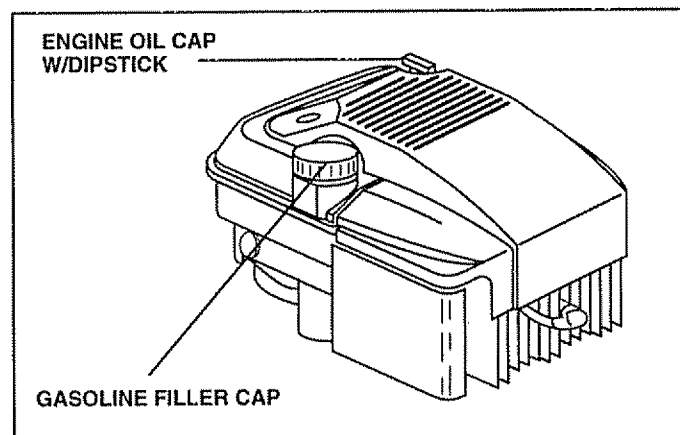


FIG. 10

## TO START ENGINE

- To start a cold engine, push primer three (3) times before trying to start. Use a firm push. This step is not usually necessary when starting an engine which has already run for a few minutes.
- Move engine speed control lever to fast (⚡) position.
- Hold operator presence control bar down to the handle and pull starter handle quickly. Do not allow starter rope to snap back.
- To stop engine, release operator presence control bar.

**NOTE:** In cooler weather it may be necessary to repeat priming steps. In warmer weather over priming may cause flooding and engine will not start. If you do flood engine, wait a few minutes before attempting to start and do not repeat priming steps.

# OPERATION

## MOWING TIPS

- Under certain conditions, such as very tall grass, it may be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of grass clippings.
- For extremely heavy cutting, reduce the width of cut and raise the rear of the lawn mower housing one (1) wheel adjuster setting higher than the front for better discharge of grass.
- For better grass bagging and most cutting conditions, the engine speed should be set in the fast (⚡) position.
- When using a rear discharge lawn mower in moist, heavy grass, clumps of cut grass may not enter the grass catcher. Reduce ground speed (pushing speed) and/or run the lawn mower over the area a second time.
- If a trail of grass clippings is left on the right side of a rear discharge lawn mower, mow in a clockwise direction with a small overlap to collect the clippings on the next pass.
- Keep top of engine around starter clear and clean of grass clippings and chaff. This will help engine air flow and extend engine life.
- Pores in cloth grass catchers can become filled with dirt and dust with use and catchers will collect less grass. To prevent this, regularly hose catchers off with water and let dry before using.

## MULCHING MOWING TIPS

**IMPORTANT:** FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN AFTER EACH USE. SEE "CLEANING" IN CUSTOMER RESPONSIBILITIES SECTION OF THIS MANUAL.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.

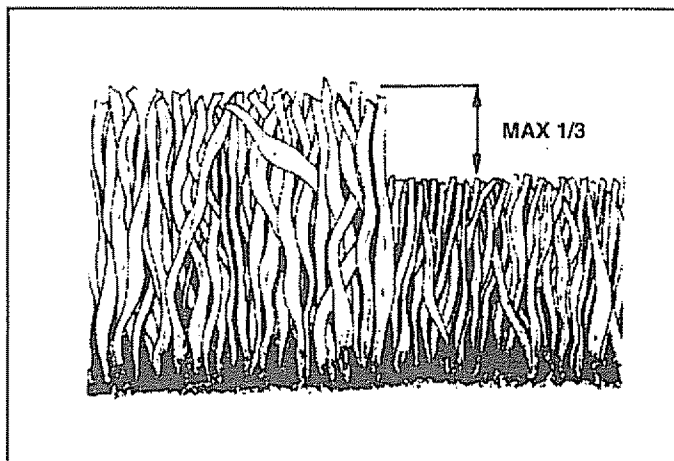


FIG. 11

- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the lawn mower cutting height so that the lawn mower cuts off only the top one-third of the grass blades (See Fig. 11). If the lawn is overgrown it will be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of mulched grass. For extremely heavy mulching, reduce your width of cut, mow slowly and raise the rear of the lawn mower one wheel adjuster setting higher than the front.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

# CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE		SERVICE DATES															
		BEFORE EACH USE	AFTER EACH USE	FIRST 2 HOURS	EVERY 5 HOURS	EVERY 25 HOURS	EVERY SEASON	BEFORE STORAGE									
MOWER	Check for Loose Fasteners	✓						✓									
	Clean/Inspect Grass Catcher (If Equipped)	✓	✓						✓								
	Clean Lawn Mower		✓						✓								
	Inspect/Clean Drive Wheels (Self-Propelled Mowers)	✓			✓												
	Sharpen/Replace Mower Blade						✓ <sub>3</sub>										
	Lubrication Chart					✓			✓								
	Clean Battery/Recharge (Electric Start Mowers)					✓			✓ <sub>4</sub>								
ENGINE	Check Engine Oil Level	✓			✓												
	Change Engine Oil			✓		✓ <sub>1,2</sub>											
	Clean Air Filter					✓ <sub>2</sub>											
	Inspect Muffler					✓											
	Replace Spark Plug							✓									
	Replace Air Filter Paper Cartridge							✓ <sub>2</sub>									

- 1 - Change more often when operating under a heavy load or in high ambient temperatures.
- 2 - Service more often when operating in dirty or dusty conditions.
- 3 - Replace blades more often when mowing in sandy soil
- 4 - Charge 48 hours at end of season.

## GENERAL RECOMMENDATIONS

The warranty on this lawn mower does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain mower as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your unit.

All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- Once a year, replace the spark plug, replace air filter element and check blade for wear. A new spark plug and clean/new air filter element assures proper air-fuel mixture and helps your engine run better and last longer.
- Follow the maintenance schedule in this manual.

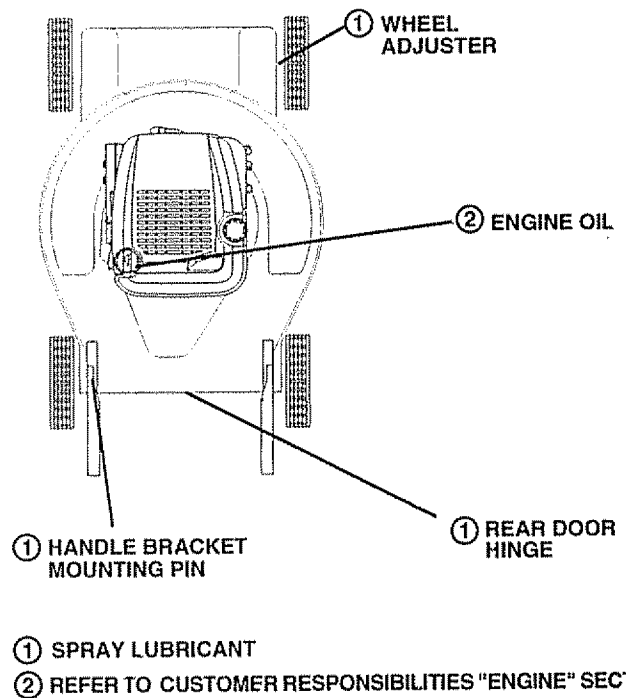
## BEFORE EACH USE

- Check engine oil level.
- Check for loose fasteners.

## LUBRICATION

Keep unit well lubricated (See "LUBRICATION CHART").

## LUBRICATION CHART



**IMPORTANT:** DO NOT OIL OR GREASE PLASTIC WHEEL BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY.

# CUSTOMER RESPONSIBILITIES

## LAWN MOWER

Always observe safety rules when performing any maintenance.

### TIRES

- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

### BLADE CARE

For best results, mower blade must be kept sharp. Replace bent or damaged blades.

#### TO REMOVE BLADE (See Fig. 12)

- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with spark plug.
- Turn lawn mower on its side. Make sure air filter and carburetor are up.
- Use a wood block between blade and mower housing to prevent blade from turning when removing blade bolt.
- Protect your hands with gloves and/or wrap blade with heavy cloth.
- Remove blade bolt by turning counter-clockwise. Use a 9/16" box or open-end wrench.
- Remove blade and attaching hardware (bolt, lock washer and hardened washer).

**NOTE:** Remove the blade adapter and check the key inside hub of blade adapter. The key must be in good condition to work properly. Replace adapter if damaged.

#### TO REPLACE BLADE (See Fig. 12)

- Position the blade adapter on the engine crankshaft. Be sure key in adapter and crankshaft keyway are aligned.
- Position blade on the blade adapter aligning the two (2) holes in the blade with the raised lugs on the adapter.
- Be sure the trailing edge of blade (opposite sharp edge) is up toward the engine.
- Install the blade bolt with the lock washer and hardened washer into blade adapter and crankshaft.
- Use block of wood between blade and lawn mower housing and tighten the blade bolt, turning clockwise.
- The recommended tightening torque is 35-40 ft. lbs.

**IMPORTANT:** BLADE BOLT IS GRADE 8 HEAT TREATED.

**NOTE:** We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

#### TO SHARPEN BLADE

Care should be taken to keep the blade balanced. An unbalanced blade will cause eventual damage to lawn mower or engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of blade over the head of the nail. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

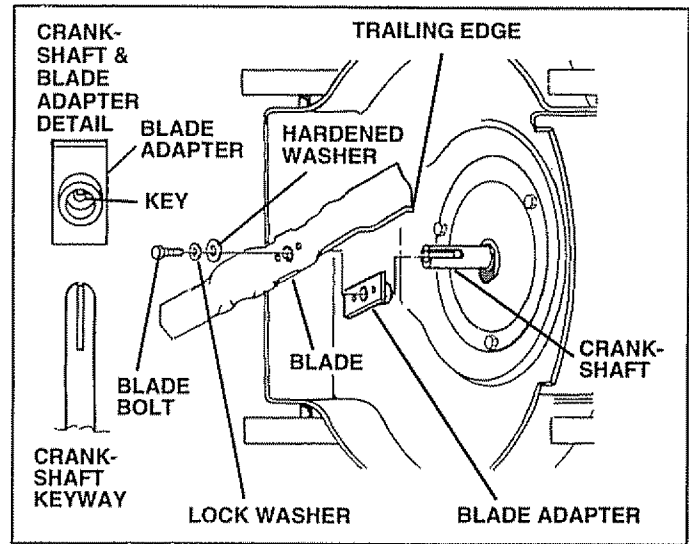


FIG. 12

## GEAR CASE

- To keep your drive system working properly, the gear case and area around the drive should be kept clean and free of trash build-up. Clean under the drive cover twice a season.
- The gear case is filled with lubricant to the proper level at the factory. The only time the lubricant needs attention is if service has been performed on the gear case.
- If lubricant is required, use only Texaco Starplex Premium Grease, part no. 750355. Do not substitute.

## DRIVE WHEELS

Check front drive wheels each time before you mow to be sure they move freely.

The wheels not turning freely means trash, grass cuttings, etc. are in the drive wheel area and must be cleaned to free drive wheels.

If necessary to clean the drive wheels, check both front wheels.

- Remove hubcaps, hairpin cotters and washers.
- Remove wheels from wheel adjusters.
- Remove any trash or grass cuttings from inside the dust cover, pinion and/or drive wheel gear teeth.
- Put wheels back in place.
- If after cleaning, the drive wheels do not turn freely, contact your nearest service center.

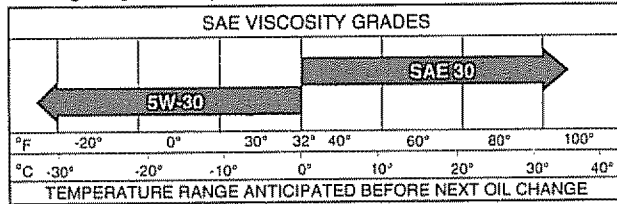
## GRASS CATCHER

- The grass catcher may be hosed with water, but must be dry when used.
- Check your grass catcher often for damage or deterioration. Through normal use it will wear. If catcher needs replacing, replace only with a manufacturer approved replacement catcher. Give the lawn mower model number when ordering.

# CUSTOMER RESPONSIBILITIES

## ENGINE LUBRICATION

Use only high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature.



**NOTE:** Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil. Change the oil after the first two hours of operation and every 25 hours thereafter or at least once a year if the lawn mower is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each five (5) hours of continuous use. Tighten oil plug securely each time you check the oil level.

TO CHANGE ENGINE OIL (See Fig. 13)

- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with spark plug.
- Remove engine oil cap; lay aside on a clean surface.
- Tip lawn mower on its side and drain oil into a suitable container. Rock lawn mower back and forth to remove any oil trapped inside of engine.
- Wipe off any spilled oil on lawn mower and on side of engine.
- Fill engine with oil. Fill only to the "FULL" line on the dipstick. **DO NOT OVER FILL.**
- Replace engine oil cap.
- Reconnect spark plug wire to spark plug.

## AIR FILTER

Your engine will not run properly and may be damaged by using a dirty air filter.

Replace the air filter every year, more often if you mow in very dusty, dirty conditions.

TO CLEAN AIR FILTER (See Fig. 14)

- Loosen screw and tilt cover to remove.
- Carefully remove cartridge.
- Clean by gently tapping on a flat surface. If very dirty, replace cartridge or clean as follows: Wash in a low or non-sudsing detergent and warm water solution. Rinse thoroughly with flowing water from mesh side until water runs clear. Let cartridge air dry thoroughly before using.



**CAUTION:** Petroleum solvents, such as kerosene, are not to be used to clean cartridge. They may cause deterioration of the cartridge. Do not oil cartridge. Do not use pressurized air to clean or dry cartridge.

- Install cartridge, then replace cover making sure the tabs are aligned with the slots in the back plate. Fasten screw securely.

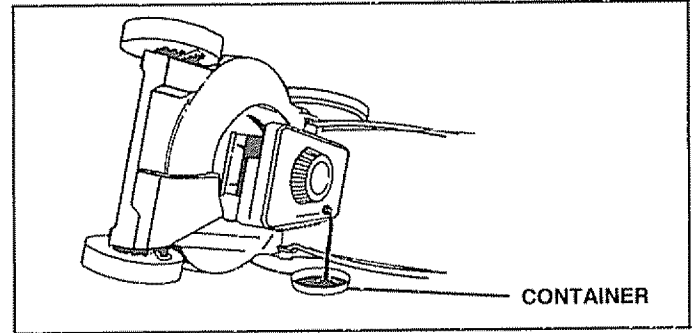


FIG. 13

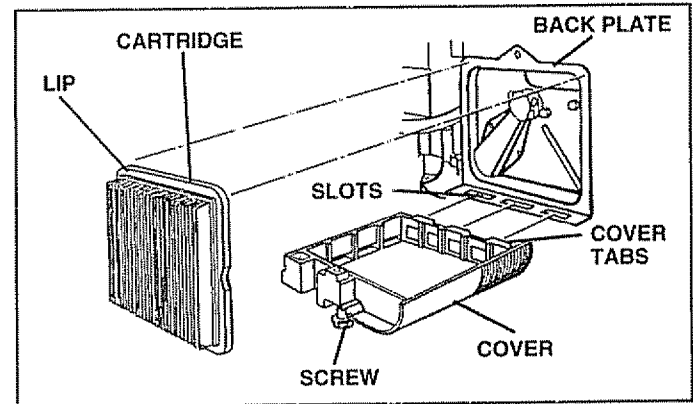


FIG. 14

## MUFFLER

Inspect and replace corroded muffler as it could create a fire hazard and/or damage.

## SPARK PLUG

Change your spark plug each year to make your engine start easier and run better. Set spark plug gap at .030 inch.

## CLEANING

**IMPORTANT:** FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN UNDERSIDE OF MOWER HOUSING AFTER EACH USE.



**CAUTION:** Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with the spark plug.

- Turn lawn mower on its side. Make sure air filter and carburetor are up. Clean the underside of your lawn mower by scraping to remove build-up of grass and trash.
- Clean engine often to keep trash from accumulating. A clogged engine runs hotter and shortens engine life.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- We **DO NOT** recommend using a garden hose to clean lawn mower unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in shortened engine life.

## CLEAN UNDER DRIVE COVER

Clean under drive cover at least twice a season. Scrape underside of cover with putty knife or similar tool to remove any build-up of trash or grass on underside of drive cover.

# SERVICE AND ADJUSTMENTS



**CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:**

- Release control bar.
- Make sure the blade and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place where it cannot come in contact with plug.

## LAWN MOWER

### TO ADJUST CUTTING HEIGHT

See "TO ADJUST CUTTING HEIGHT" in the Operation section of this manual.

### REAR DEFLECTOR

The rear deflector, attached between the rear wheels of your lawn mower, is provided to minimize the possibility that objects will be thrown out the rear of the lawn mower into the operator's mowing position.

If the rear deflector becomes damaged, it should be replaced.

### TO REMOVE/REPLACE DRIVE BELT

(See Fig. 15)

- Remove drive cover. Remove belt by pushing down on gear case pulley.
- Turn lawn mower on its side with carburetor and fuel cap up
- Remove blade.
- Remove debris shield.
- Remove belt from engine pulley on crankshaft.
- Install new belt by reversing above steps.
- Always use factory approved belt to assure fit and long life.

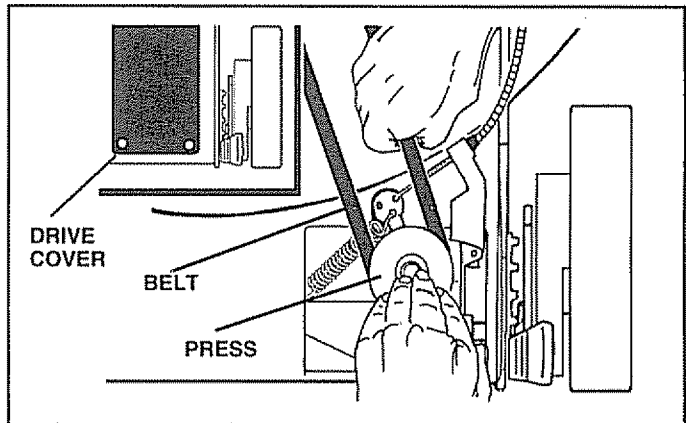


FIG. 15

# SERVICE AND ADJUSTMENTS

## TO ADJUST HANDLE (See Figs. 16 Thru 18)

Your lawn mower handle can be raised or lowered for your mowing comfort. Four (4) positions are available: high, medium high, medium low and low. Handles are shipped mounted in the medium low position.

- To change from medium low to medium high position, the upper and lower handle sections will have to be turned over (See Fig. 16B).
- Remove the controls and operator presence control bar from the upper handle.
- Remove the starter rope guide from the lower handle.
- Remove hairpin cotters.
- Disconnect the lower handle from the handle brackets (See Fig. 18).
- Turn the handle over and reassemble the hairpin cotters that have been removed.
- Reassemble the starter rope guide.
- Reassemble the controls and the operator presence control bar to the upper handle.



**CAUTION:** The operator presence control bar must pivot freely to permit blade brake engagement when control bar is released. Do not over tighten the fasteners holding the controls to the upper handle.

- To change from medium low to high position only the upper handle section will have to be turned over (See Fig. 17A).
- To change from medium low to low position, only the lower handle section will have to be turned over (See Fig. 17B).

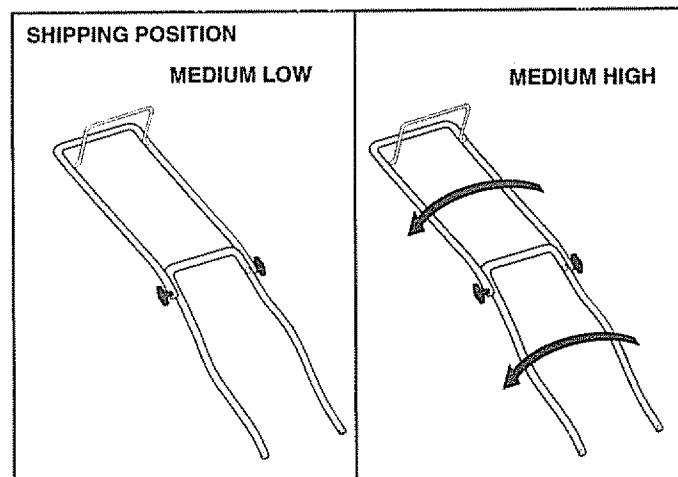


FIG. 16A

FIG. 16B

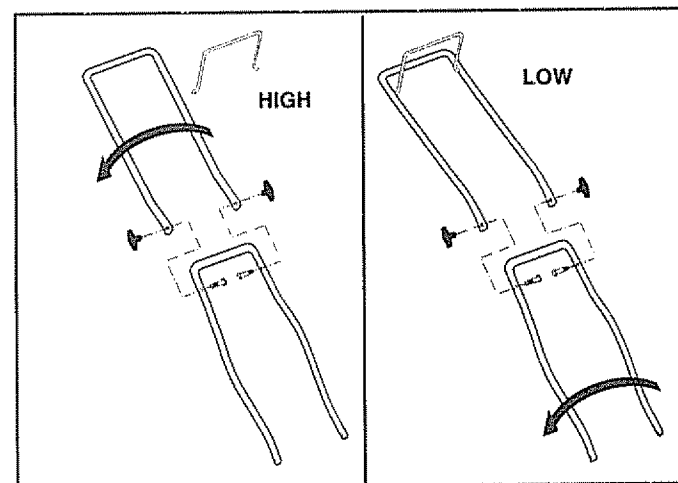


FIG. 17A

FIG. 17B

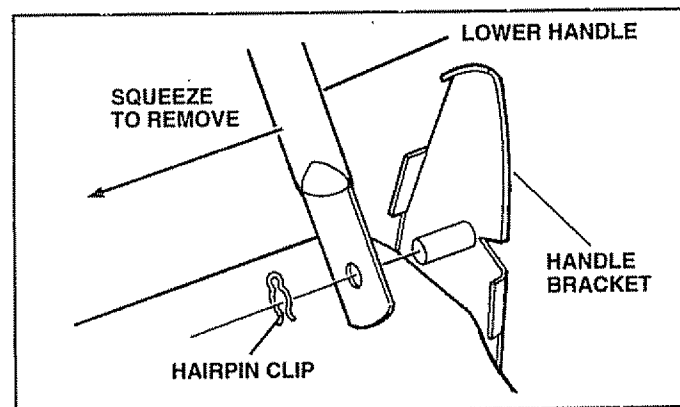


FIG. 18

# SERVICE AND ADJUSTMENTS

## ENGINE

### ENGINE SPEED

Your engine speed has been factory set. Do not attempt to increase engine speed or it may result in personal injury. If you believe that the engine is running too fast or too slow, take your lawn mower to an authorized service center for repair and adjustment.

### TO ADJUST CARBURETOR (See Fig. 19)

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude or load. The air cleaner and air cleaner cover must be assembled to carburetor when running.

#### INITIAL ADJUSTMENT-

With the engine not running, gently turn idle mixture screw clockwise until it just closes. Screw may be damaged by turning it in too far.

Next open the screw one turn counter-clockwise. This initial adjustment will permit the engine to be started and warmed up (approximately 5 minutes) prior to final adjustment.

**NOTE:** Do not adjust top no load adjusting screw. It was pre-set at the factory.

#### FINAL ADJUSTMENT-

Place engine speed control lever in idle or slow (☞) position. Adjust idle RPM by turning idle speed adjusting screw to obtain 1700 RPM. Next, turn idle mixture screw in (clockwise - lean mixture) until engine just starts to slow. Then turn idle mixture screw out (counter-clockwise - rich mixture) until engine runs unevenly. Now turn idle mixture screw midway between rich and lean. Engine should accelerate smoothly. If engine does not accelerate properly, the carburetor should be readjusted, usually to a richer mixture, by turning the idle mixture screw counter-clockwise 1/8 turn more.

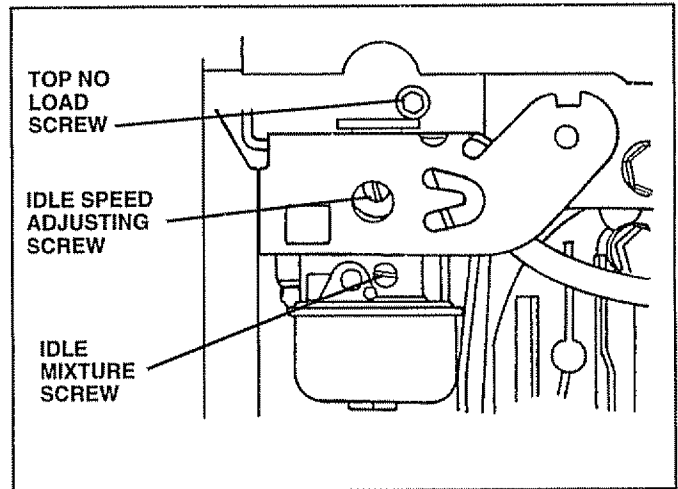


FIG. 19

**IMPORTANT:** NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.



# STORAGE

Immediately prepare your lawn mower for storage at the end of the season or if the unit will not be used for 30 days or more.

## LAWN MOWER

When lawn mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire lawn mower (See "CLEANING" in the Customer Responsibilities section of this manual).
- Lubricate as shown in the Customer Responsibilities section of this manual.
- Be sure that all nuts, bolts, screws, and pins are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- Touch up all rusted or chipped paint surfaces; sand lightly before painting.

## HANDLE (See Fig. 20)

You can fold your lawn mower handle for storage.

- Squeeze the bottom ends of the lower handle toward each other until the lower handle clears the handle bracket, then move handle forward.
- Loosen upper handle mounting bolts enough to allow upper handle to be folded back.

**IMPORTANT:** WHEN FOLDING THE HANDLE FOR STORAGE OR TRANSPORTATION, BE SURE TO FOLD THE HANDLE AS SHOWN OR YOU MAY DAMAGE THE CONTROL CABLES.

- When setting up your handle from the storage position, the lower handle will automatically lock into the mowing position.

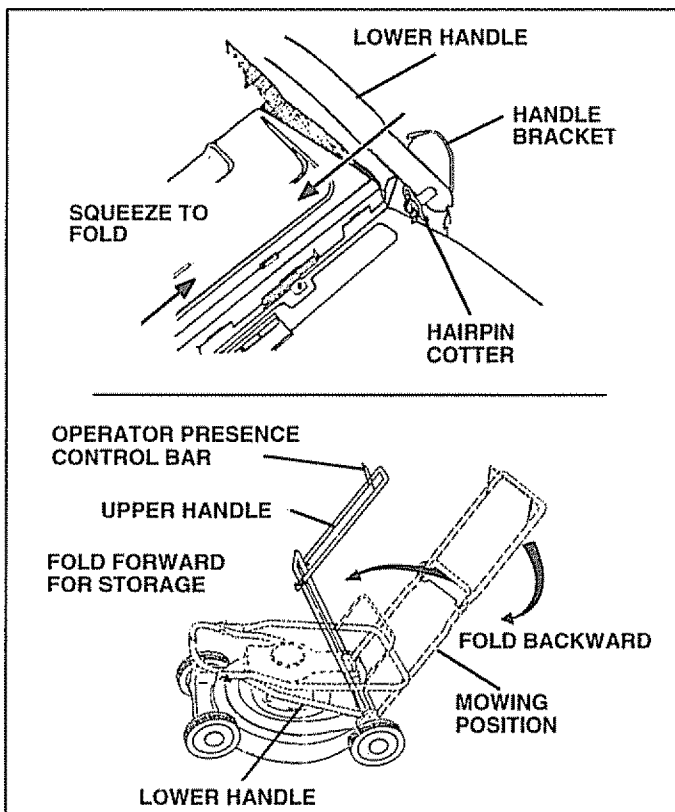


FIG. 20

## ENGINE FUEL SYSTEM

**IMPORTANT:** IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Drain the fuel tank.
- Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

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

## ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Customer Responsibilities section of this manual).

## CYLINDER

- Remove spark plug.
- Pour one ounce (29 ml) of oil through spark plug hole into cylinder.
- Pull starter handle slowly a few times to distribute oil.
- Replace with new spark plug.

## OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your unit indoors and cover it to give protection from dust and dirt.
- Cover your unit with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your unit to rust.

**IMPORTANT:** NEVER COVER MOWER WHILE ENGINE AND EXHAUST ARE STILL WARM.



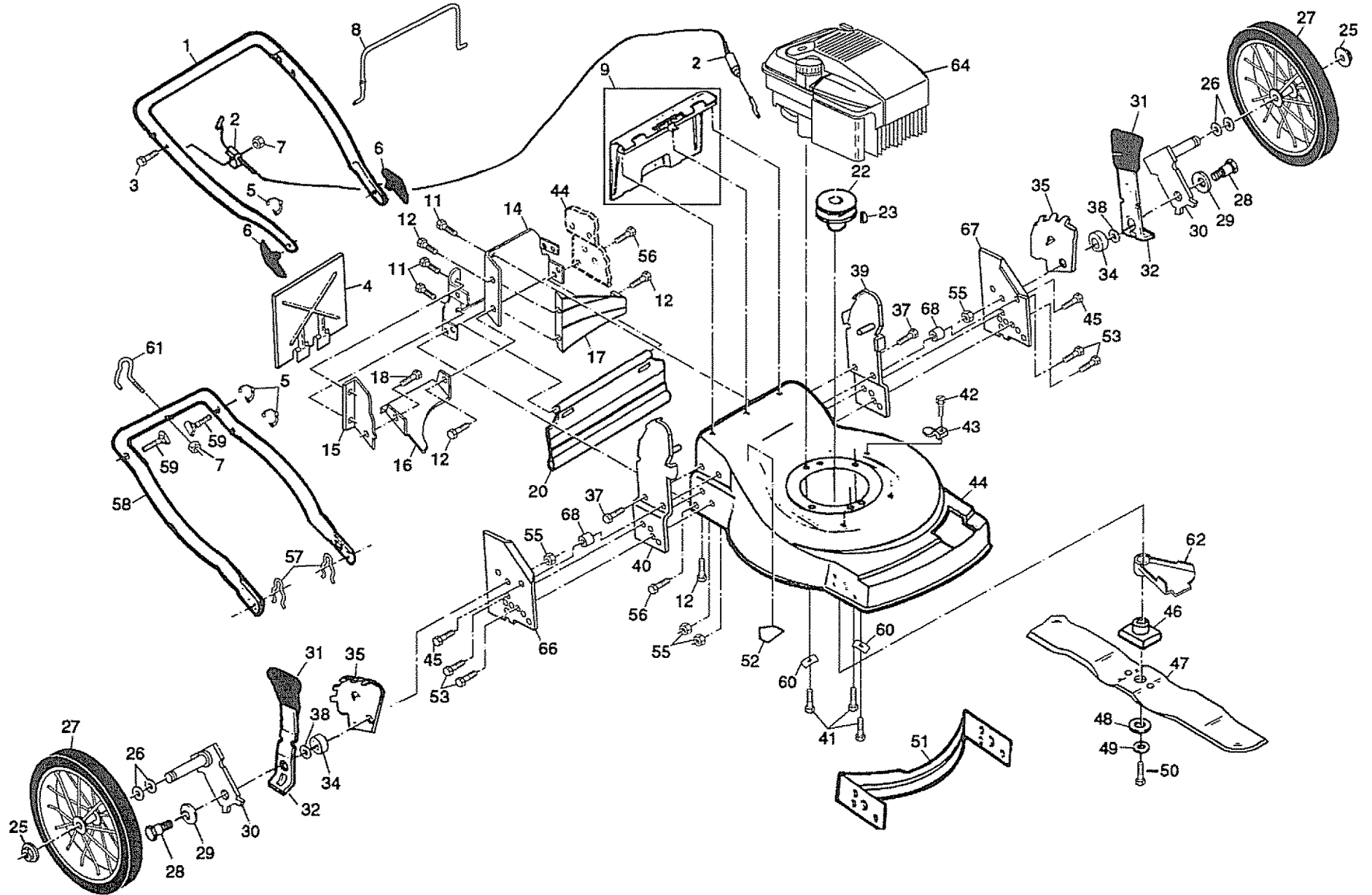
**CAUTION:** Never store the lawn mower with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

# TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
<b>Does not start</b>	<ol style="list-style-type: none"> <li>1. Dirty air filter.</li> <li>2. Out of fuel.</li> <li>3. Stale fuel.</li> <li>4. Water in fuel</li>   <li>5. Spark plug wire is disconnected.</li> <li>6. Bad spark plug.</li> <li>7. Loose blade or broken blade adapter.</li> <li>8. Control bar in released position</li> <li>9. Control bar defective</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean/replace air filter.</li> <li>2. Fill fuel tank.</li> <li>3. Drain tank and refill with fresh clean fuel.</li> <li>4. Drain fuel tank and carburetor and refill tank with fresh gasoline.</li> <li>5. Connect wire to plug.</li> <li>6. Replace spark plug.</li> <li>7. Tighten blade bolt or replace blade adapter.</li> <li>8. Depress control bar to handle.</li> <li>9. Replace control bar.</li> </ol>
<b>Loss of power</b>	<ol style="list-style-type: none"> <li>1. Rear of lawn mower housing/blade dragging in heavy grass.</li> <li>2. Cutting too much grass</li> <li>3. Dirty air filter.</li> <li>4. Buildup of grass, leaves and trash under mower.</li> <li>5. Too much oil in engine.</li> <li>6. Walking speed too fast</li> </ol>	<ol style="list-style-type: none"> <li>1. Set in "Higher Cut" position.</li> <li>2. Set in "Higher Cut" position.</li> <li>3. Clean/replace air filter.</li> <li>4. Clean underside of mower housing</li> <li>5. Check oil level.</li> <li>6. Cut at slower walking speed.</li> </ol>
<b>Poor cut - uneven</b>	<ol style="list-style-type: none"> <li>1. Worn, bent or loose blade</li> <li>2. Wheel heights uneven.</li> <li>3. Low engine speed</li> <li>4. Buildup of grass, leaves, and trash under mower.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade. Tighten blade bolt.</li> <li>2. Set all wheels at same height.</li> <li>3. Set engine speed control in fast position.</li> <li>4. Clean underside of mower housing.</li> </ol>
<b>Excessive vibration</b>	<ol style="list-style-type: none"> <li>1. Worn, bent or loose blade</li> <li>2. Bent engine crankshaft</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade. Tighten blade bolt.</li> <li>2. Contact authorized service center/department.</li> </ol>
<b>Starter rope hard to pull</b>	<ol style="list-style-type: none"> <li>1. Engine flywheel brake is on when control bar is released.</li> <li>2. Bent engine crankshaft</li> <li>3. Blade adapter broken.</li> <li>4. Blade dragging in grass.</li> </ol>	<ol style="list-style-type: none"> <li>1. Depress control bar to upper handle before pulling starter rope</li> <li>2. Contact authorized service center/department.</li> <li>3. Replace blade adapter.</li> <li>4. Move lawn mower to cut grass or to hard surface to start engine.</li> </ol>
<b>Loss of drive</b>	<ol style="list-style-type: none"> <li>1. Drive wheels not turning with drive control engaged</li> <li>2. Belt not driving.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust or replace drive control cable, if broken.</li> <li>2. Put belt on pulleys or replace belts if broken</li> </ol>
<b>Grass catcher not filling (If so equipped)</b>	<ol style="list-style-type: none"> <li>1. Cutting height too low.</li> <li>2. Lift on blade worn off</li> <li>3. Catcher not venting air.</li> <li>4. Low engine speed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Raise cutting height.</li> <li>2. Replace blade</li> <li>3. Clean grass catcher.</li> <li>4. Set engine speed control in fast position</li> </ol>
<b>Hard to push</b>	<ol style="list-style-type: none"> <li>1. Grass is too high or wheel height is too low.</li> <li>2. Rear of lawn mower housing/blade dragging in grass.</li> <li>3. Grass catcher too full.</li> <li>4. Handle height position not right for you</li> </ol>	<ol style="list-style-type: none"> <li>1. Raise cutting height.</li> <li>2. Raise rear of lawn mower housing one (1) setting higher</li> <li>3. Empty grass catcher.</li> <li>4. Adjust handle height to suit.</li> </ol>

# REPAIR PARTS

CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231



# REPAIR PARTS

## CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

KEY NO.	PART NO	DESCRIPTION
1	133088X479	Upper Handle
2	130861	Engine Zone Control Cable
3	74350424	Hex Head Screw 1/4-20 x 1-1/2
4	133170X479	Mulcher Plate
5	85827	Cable Clip
6	136376	Handle Knob
7	STD541425	Locknut 1/4-20
8	851509	Control Bar
9	48137	Rear Door Kit
11	86344	Self Tapping Screw #10-24 x 5/8
12	STD512505	Hex Tapping Screw w/Sems 1/4-20 x 1/2
14	700483X479	Back Plate
15	700365X479	Side Baffle
16	133190X479	Discharge Baffle
17	87596X479	Rear Baffle
18	86344	Hex Head Self-Tapping #10-24 x 1/2
20	128796	Rear Skirt
22	84596	Engine Pulley
23	87677	Hi-Pro Key #505
25	83923	Hex Flange Nut
26	57143	Wave Washer
27	88017	Wheel
28	84921	Shoulder Bolt 3/8-16 x 1-3/8
29	61651	Spring Washer
30	750913X004	Axle Arm Assembly
31	87877	Selector Knob
32	700331X004	Selector Spring
34	84920	Spacer
35	700375	Wheel Adjusting Bracket (Left)
37	55187	Thread Cutting Screw w/Sems 5/16-18 x 3/4
38	88348	Flat Washer 3/8
39	701143X459	Handle Bracket Assembly (Left)
40	701144X459	Handle Bracket Assembly (Right)

KEY NO.	PART NO	DESCRIPTION
41	850998	Hex Head Thread Rolling Screw 3/8-16 x 1-1/8
42	750097	Hex Washer Head Screw #10-24 x 1/2
43	87930	Guide Clip
44	48364	Lawn Mower Housing (Incl. Key #14, 15, 51 & 52)
45	83253	Self-Tapping Screw w/Sems 5/16-18 x 1-1/2
46	851514	Blade Adapter
47	752234	Blade 22"
48	851074	Hardened Washer
49	850263	Helical Washer 3/8-24 x 1-3/8 Gr. 8
50	851084	Hex Head Machine Screw 3/8-24 x 1-3/8 Gr. 8
51	700869X479	Front Baffle
52	85463	Danger Decal
53	STD523707	Hex Bolt 3/8-16 x 3/4
55	751592	Locknut 3/8-16
56	88652	Hinge Screw 1/4-20 x 1-1/4
57	51793	Hairpin Cotter
58	84676X479	Lower Handle
59	131959	Handle Bolt
60	851201X004	Washer
61	103672X	Rope Guide
62	134612	Debris Shield
64	700796	Engine-Briggs & Stratton Model No. 126802, Type 3215-01
66	700170X459	Bracket Support (Right)
67	700172X459	Bracket Support (Left)
68	86969	Spacer
--	702553	Owner's Manual (English)
--	701853	Owner's Manual (Spanish)

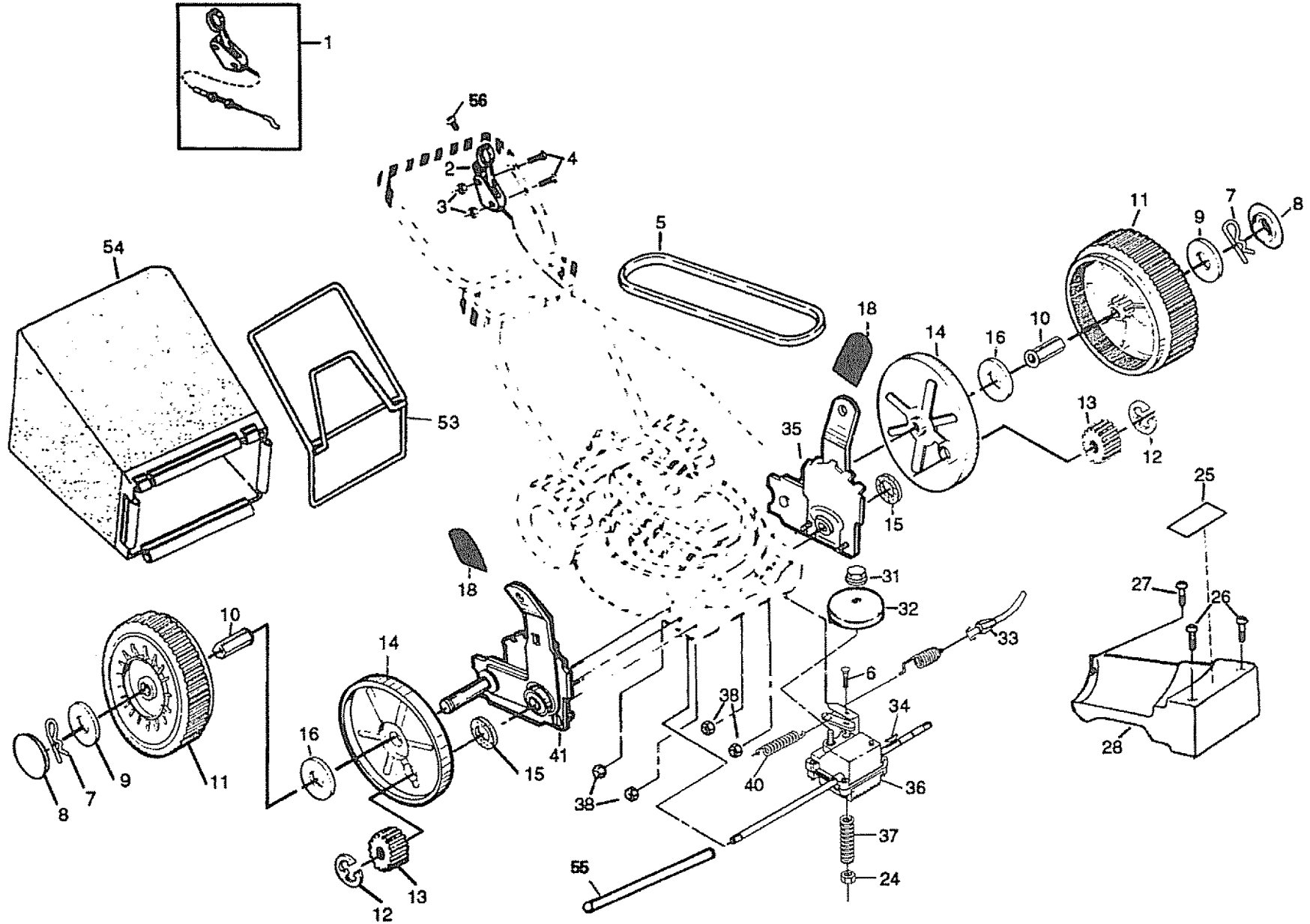
Available accessories not included with lawn mower:

<u>71</u>	33303	Clipping Deflector
<u>71</u>	33623	Gas Can (2.5 gal.)
<u>71</u>	33500	Fuel Stabilizer
<u>71</u>	33300	SAE 30W Oil (20 oz.)
<u>71</u>	33417	Dust Shield
<u>71</u>	33316	Mower Cover

# REPAIR PARTS

CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

22



# REPAIR PARTS

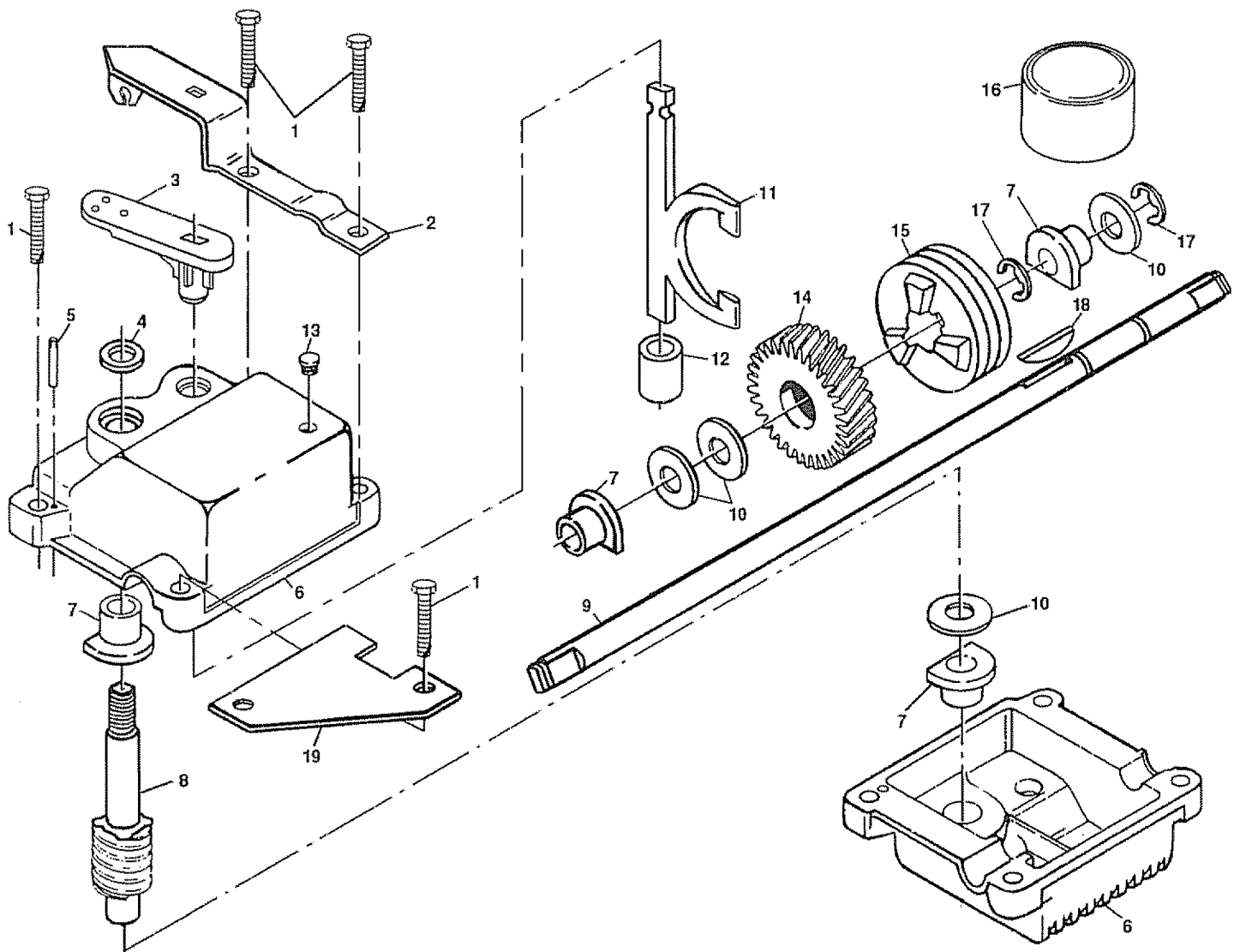
## CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	137076	Control Cable Assembly	25	702182	Drive Cover Decal
2	48029	Control Head Kit	26	87866	Pan Head Tapping Screw #10-24 x 2-3/4
3	74189	Locknut #10-24	27	750097	Hex Washer Head Screw #10-24 x 3/4
4	750029	Pan Head Machine Screw #10-24 x 2	28	137088	Drive Cover
5	137078	V-Belt	31	132010	Hex Flange Nut
6	700875	Carriage Bolt 1/4-20 x 2	32	137052	Drive Pulley
7	85179	Retainer Clip	33	48323	Drive Control Cable Kit
8	77400	Hubcap	34	850848	Hi-Pro Key
9	52160	Washer	35	700339	Wheel Adjuster Assembly (Left)
10	86960	Nylon Bushing	36	702511	Gear Case Assembly
11	700953	Wheel & Tire Assembly	37	137090	Spring
12	12000057	E-Ring	38	STD541425	Locknut 1/4-20
13	137054	Pinion	40	75192	Spring
14	88080	Dust Cover	41	700340	Wheel Adjuster Assembly (Right)
15	88118	Felt Washer	53	88614	Frame Assembly
16	67725	Washer 1/2 x 1-1/2 x .134	54	751663	Grassbag Assembly
18	87877	Selector Knob	55	86012	Driveshaft Cover
			56	851552	Screw, Pan Head, Hi-Lo #10-16 x 1/2

# REPAIR PARTS

22" CRAFTSMAN POWER PROPELLED LAWN MOWER - - MODEL NO. 917.373231

GEAR CASE ASSEMBLY PART NUMBER 702511



KEY NO.	PART NO.	DESCRIPTION
1	17490416	Screw, Tapping 1/4-20 x 1-1/4
2	137055	Bracket, Adjusting
3	137053	Shifter
4	57072	Seal
5	57388	Pin, Grooved 1/8 x 1/2
6	48281	Gear Case Halves, Upper and Lower (Includes Key #4, 5 and 7)
7	77881	Bearing
8	137051	Shaft, Worm
9	137074	Drive Shaft

KEY NO.	PART NO.	DESCRIPTION
10	57079	Washer, Hardened
11	131484	Yoke, Clutch
12	700343	Bushing
13	86447	Plug
14	137050	Gear, Helical
15	750436X	Jaw, Clutch
16	750355	Grease
17	12000003	E-Ring
18	850848	Key, Hi-Pro
19	81585X004	Spring Bracket

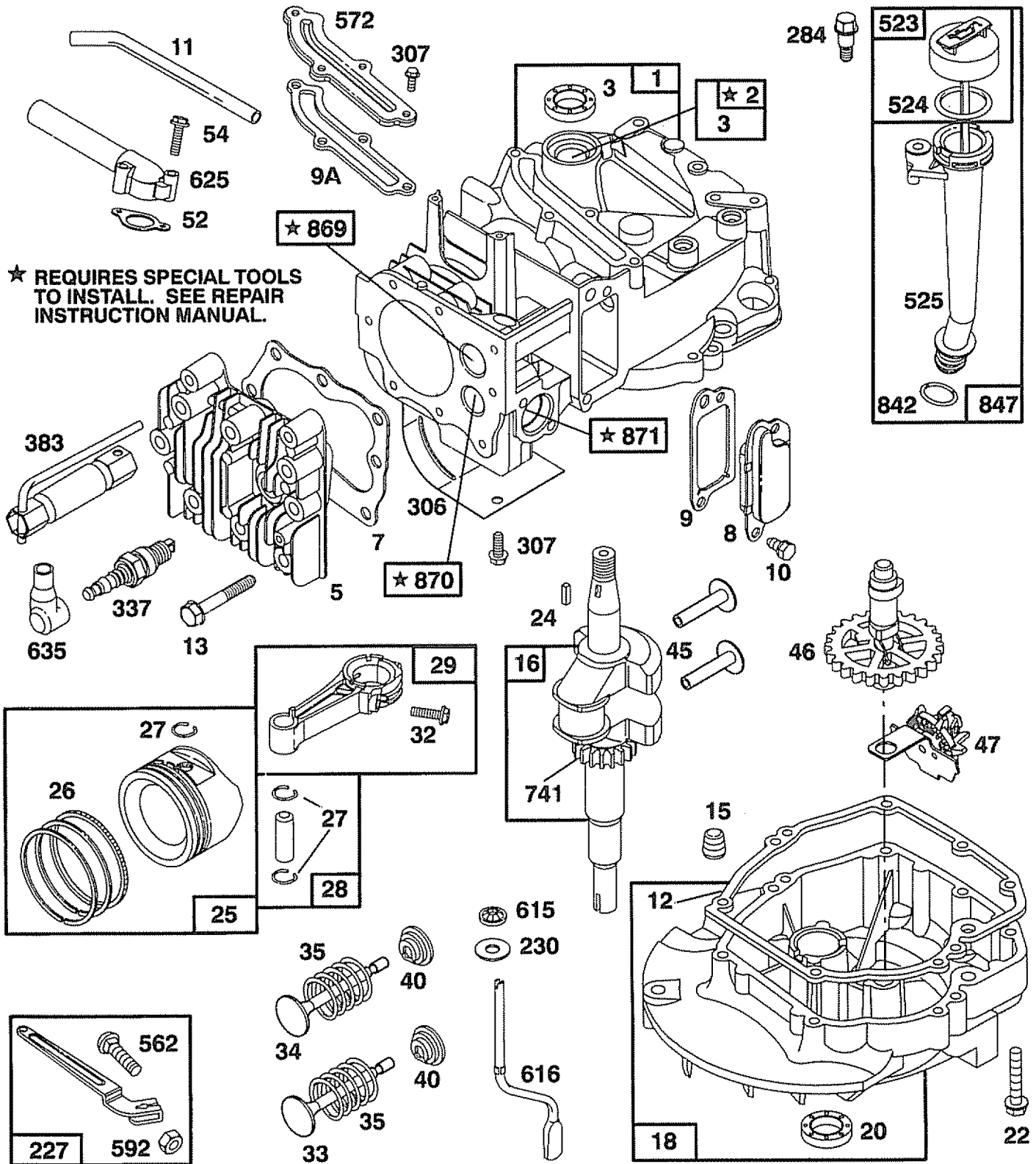
**NOTE:** All component dimensions given in U.S. inches  
1 inch = 25.4 mm

**NOTE:** To reseal housing halves use Loctite No. 515

# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

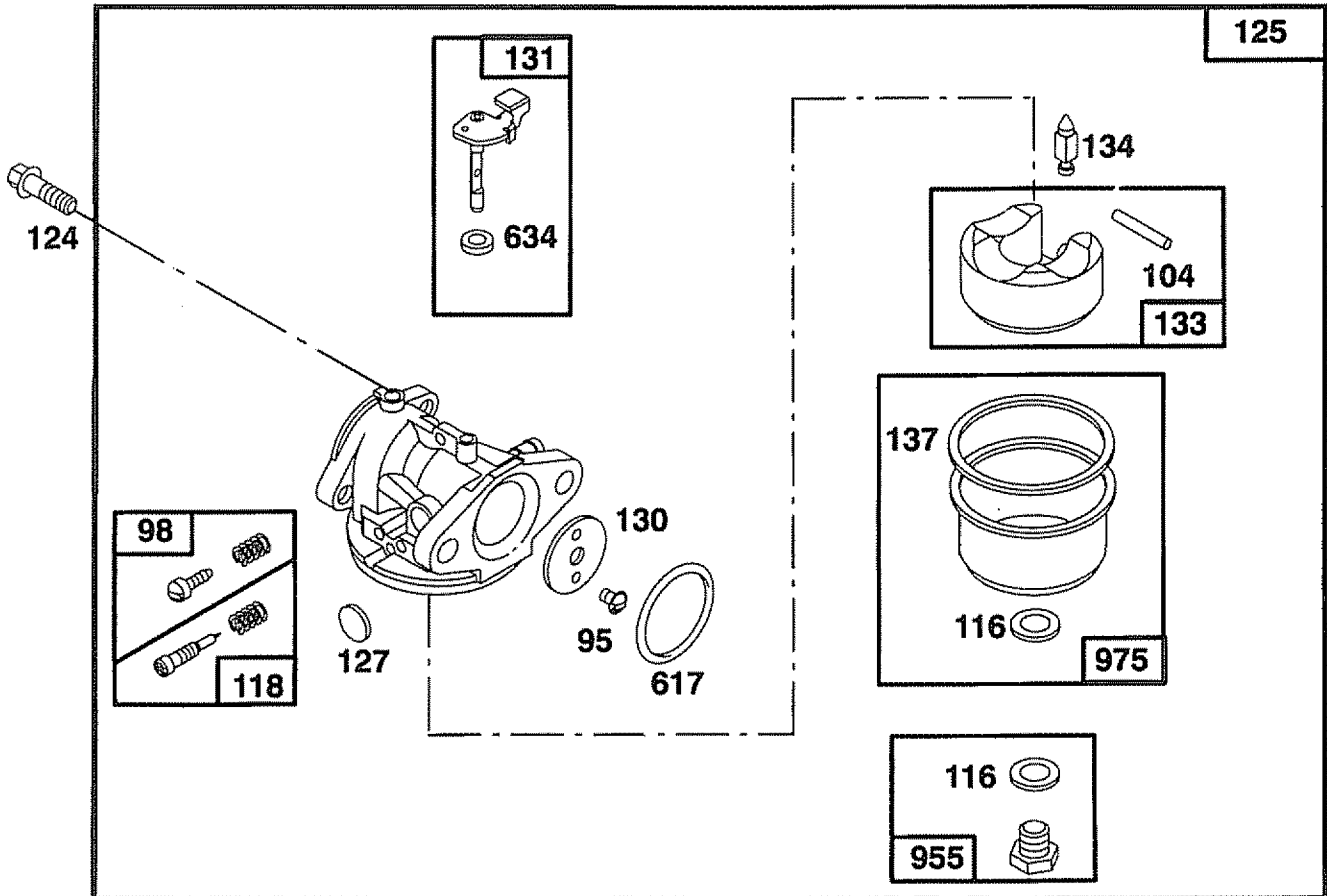
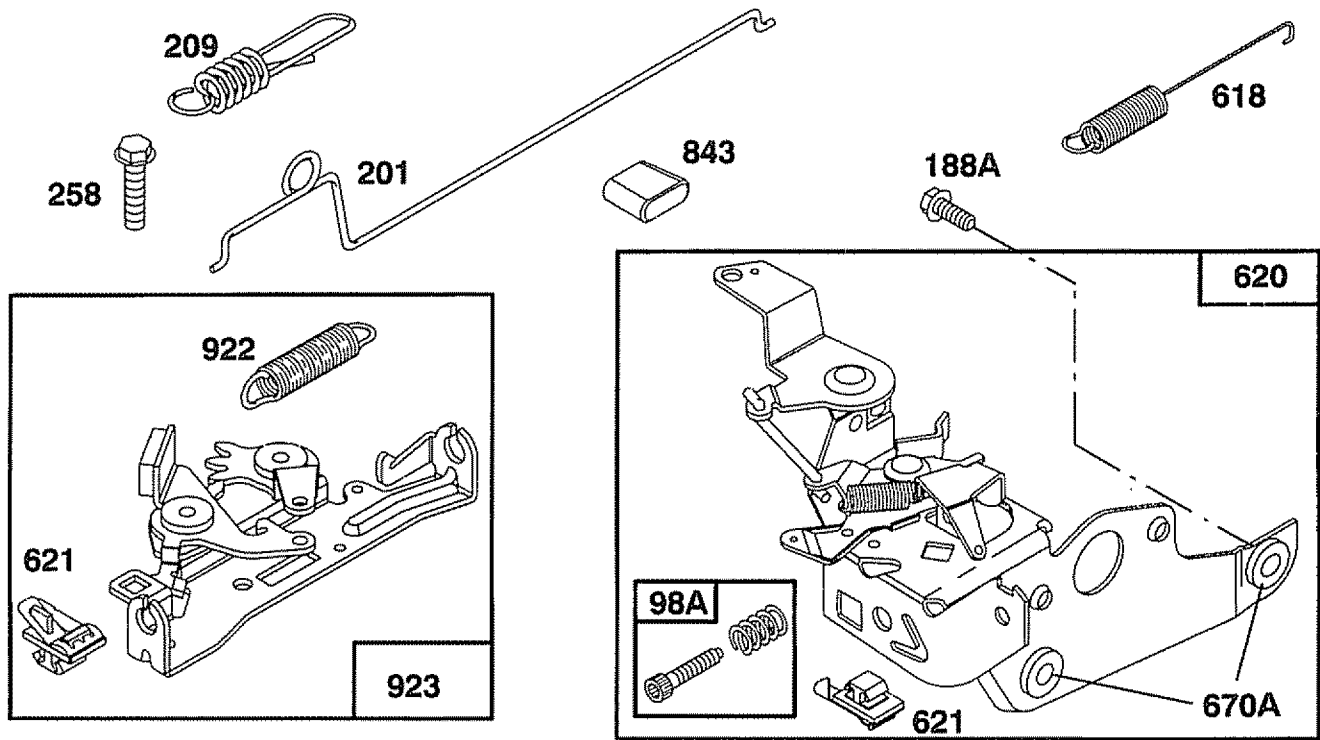
BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01





# REPAIR PARTS

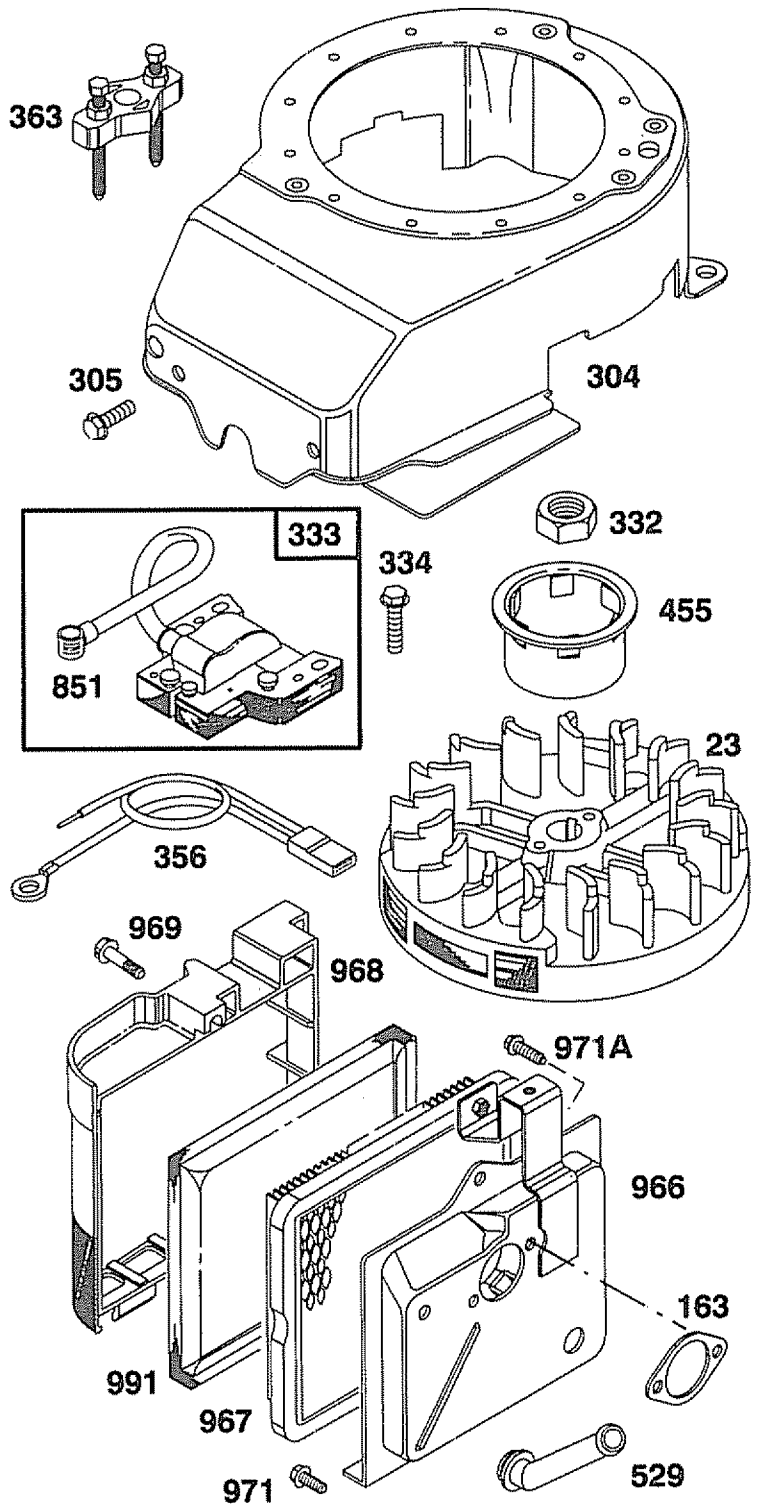
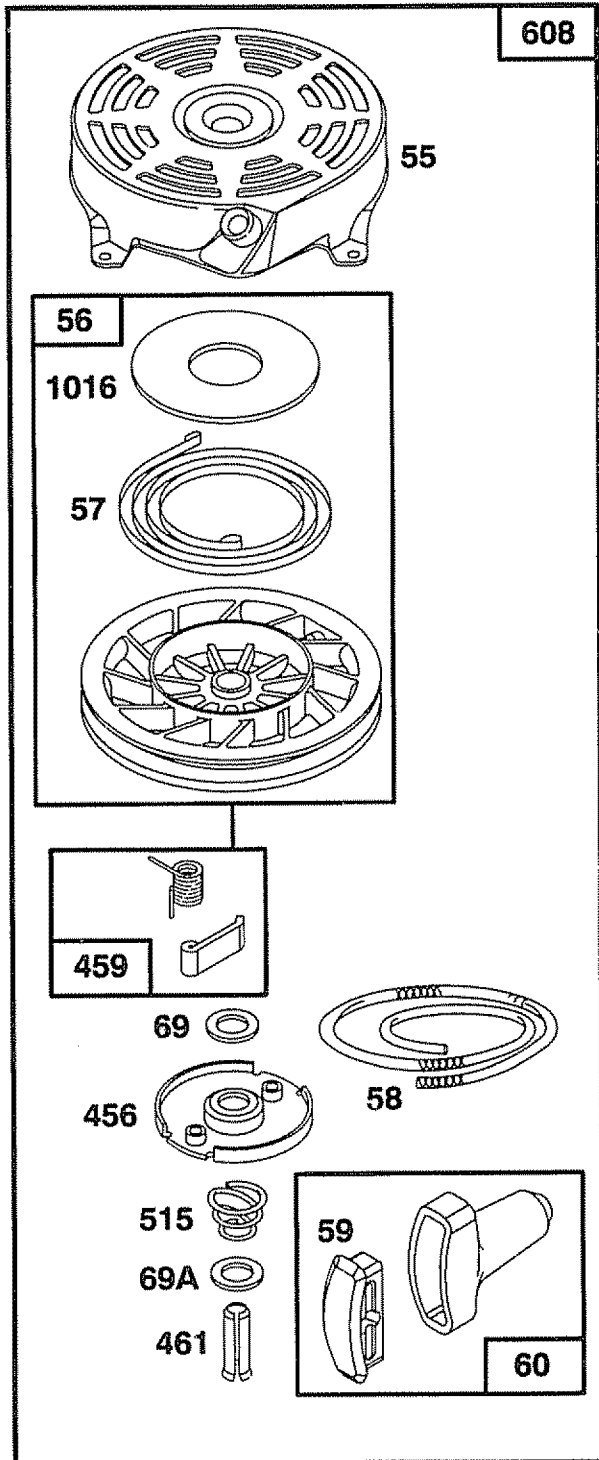
22" ROTARY LAWN MOWER MODEL NUMBER 917.373231  
 BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01



# REPAIR PARTS

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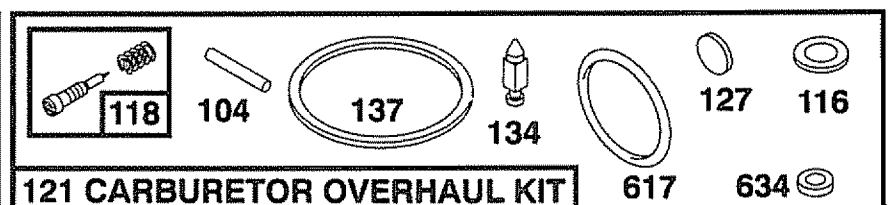
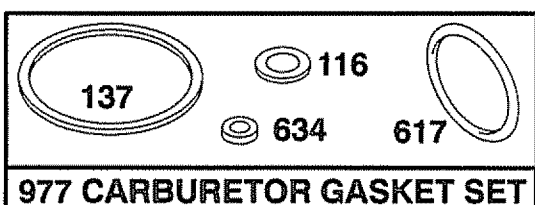
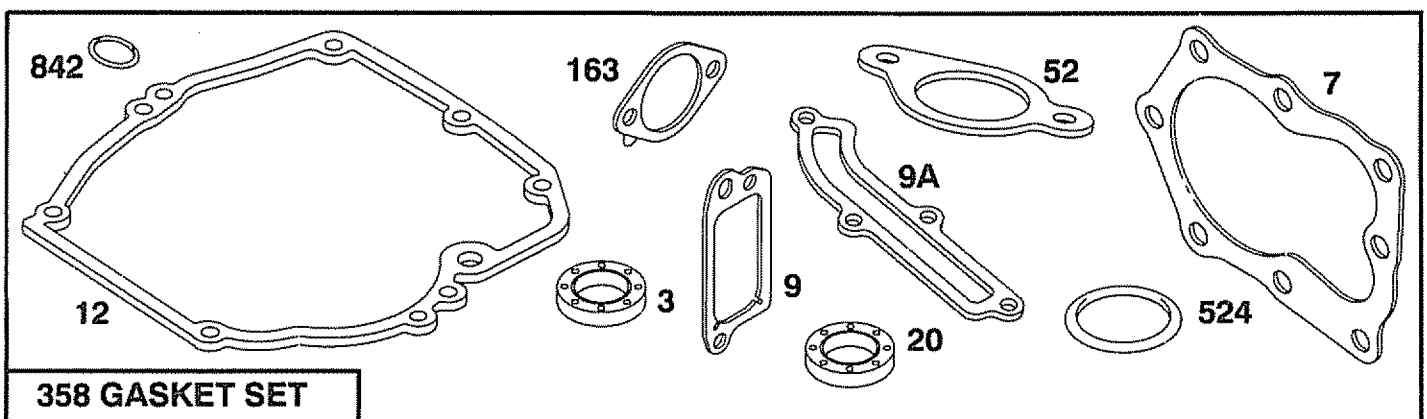
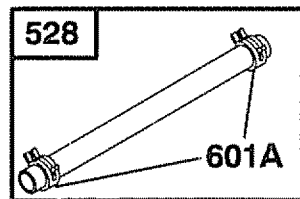
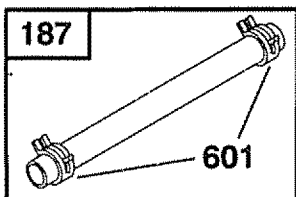
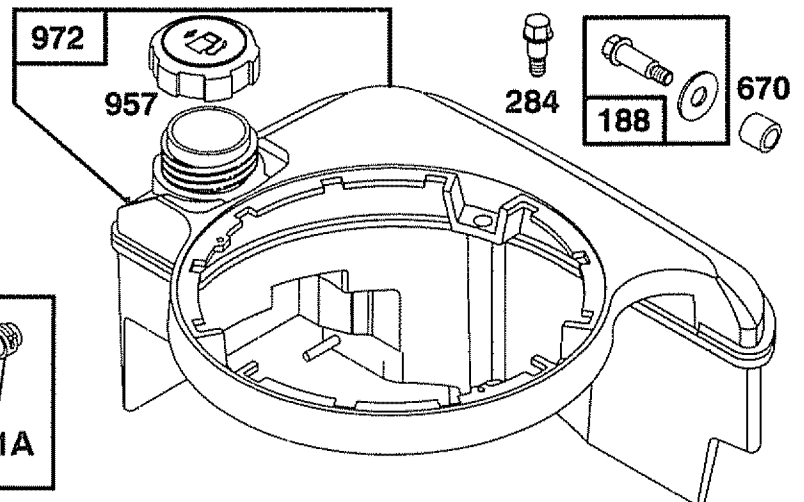
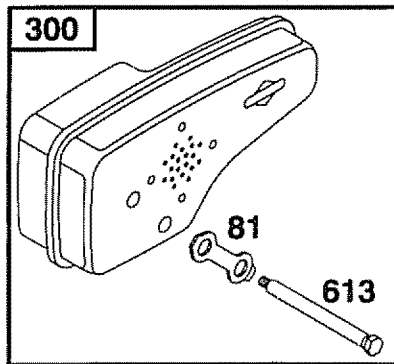
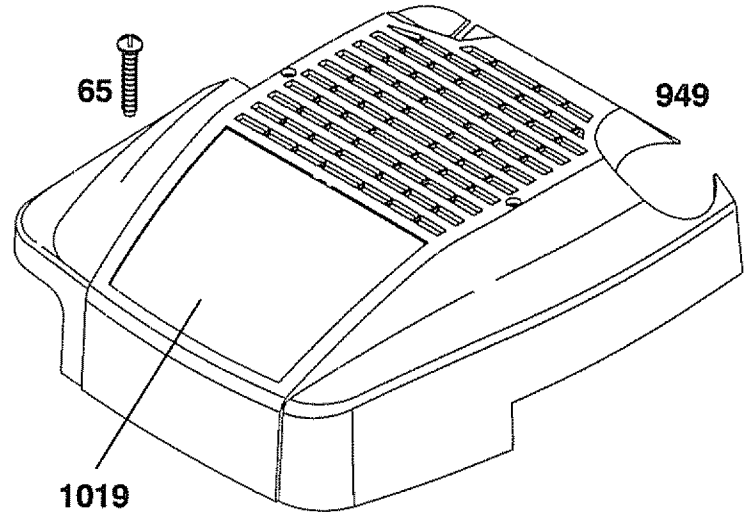
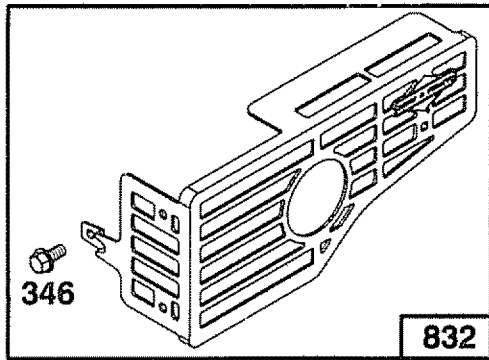
BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01



# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01



# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01

KEY PART			KEY PART		
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	494062	Cylinder Assembly	46	492830	Gear, Cam
2	399269	Bushing, Cylinder	47	493737	Oil Slinger Gear and Bracket
3	299819	* Seal, Oil	52	272199	* Gasket, Intake Elbow
5	213861	Head, Cylinder	54	94526	Screw, Intake Elbow Mounting
7	272200	* Gasket, Cylinder Head	55	492831	Housing, Rewind Starter
8	494489	Breather, Valve Chamber	56	493824	Pulley, Rewind Starter
9	272481	* Gasket, Valve Cover	57	262594	Spring, Rewind Starter
9A	272238	* Gasket, Baffle Plate	58	280399	Rope, Rewind Starter (Cut To 88-5/8")
10	94650	Screw, Breather Mounting	59	396892	Insert, Handle
11	231685	Tube, Breather	60	393152	Handle, Rewind Starter
12	272198	* Gasket, Crankcase	65	94696	Screw, Guard Mounting
13	94547	Screw, Cylinder Head	69	280973	Washer, Rewind Starter
15	94720	Plug, Oil Drain	69A	224322	Washer, Rewind Starter
16	493362	Crankshaft	81	223664	Lock, Muffler Screw
	94388	Timing Gear Key	95	94098	Screw, Sems, Throttle Valve Mounting
18	493279	Sump, Engine	98	398185	Screw, Idle Adjustment
20	399781	* Seal, Oil	98A	493280	Screw Assembly, Speed Adjust
22	94220	Screw, Sump Mounting, Sems	104	231371	** Pin, Float Hinge
	94612	Screw, Sump Mounting (Used in Hole Nearest Breather)	116	- - -	*** Gasket, Sealing (Sold in Kit Only)
23	492177	Flywheel, Magneto	118	493765	** Valve and Spring, Needle
24	222698	Key, Flywheel	121	493762	Carburetor Overhaul Kit
25	494058	Piston Assembly, Standard Size	124	94525	Screw, Carburetor Mounting
	494059	Piston Assembly .010" Oversize	125	493627	Carburetor Assembly
	494060	Piston Assembly .020" Oversize	127	- - -	** Plug, Welch (Sold in Kit Only)
	494061	Piston Assembly .030" Oversize	130	223470	Valve, Throttle
26	493261	Ring Set, Piston, Standard Size	131	493267	Shaft and Lever, Throttle
	493388	Ring Set, Piston .010" Oversize	133	398187	Float Assembly, Carburetor
	493389	Ring Set, Piston .020" Oversize	134	398188	** Valve, Inlet (Includes Seat)
	493390	Ring Set, Piston .030" Oversize	137	- - -	*** Gasket, Bowl (Sold in Kit Only)
27	26026	Lock, Piston Pin	163	272296	* Gasket, Air Cleaner
28	298909	Pin Assembly, Piston, Standard	187	492790	Hose, Fuel
	298908	Pin Assembly, Piston .005" Over	188	398540	Screw, Tank Mounting (Includes Washer)
29	490566	Rod Assembly, Connecting	188A	94644	Screw, Hex Head
	490743	Rod Assembly, Connecting .020" Undersize Crankpin Bearing	201	262579	Link, Governor
32	94405	Screw, Connecting Rod	209	262660	Spring, Governor
33	262651	Valve, Exhaust	227	492349	Lever Assembly, Governor
34	262652	Valve, Intake	230	67072	Washer, Governor Crank
35	262224	Spring, Valve	258	94512	Screw, Hex Head
38	94608	Screw, Hex Head	284	94511	Screw, Hex Head
40	93312	Retainer, Valve Spring		*	Included in Gasket Set (493263)
45	262204	Tappet, Valve		**	Included in Carburetor Overhaul Kit (493762)
				***	Included in both Carburetor Overhaul Kit (493762), and Carburetor Gasket Set (490937)

**NOTE:** All component dimensions given in U.S. inches  
1 inch = 25.4 mm

# REPAIR PARTS

22" ROTARY LAWN MOWER MODEL NUMBER 917.373231

BRIGGS & STRATTON 4-CYCLE ENGINE, MODEL NO. 126802 TYPE NO. 3215-01

## KEY PART

NO.	NO.	DESCRIPTION
300	490547	Muffler, Exhaust
304	493293	Housing, Blower
305	94744	Screw, Sems, Hex Head
306	224324	Shield, Cylinder
307	94515	Screw, Hex Head
332	92284	Nut, Flywheel
333	802574	Armature, Magneto
334	94731	Screw, Armature Mounting
337	802592	Plug, Spark
346	94602	Screw, Hex Head
353	94581	Locknut
356	398808	Wire, Ground
358	493263	Gasket Set
363	19069	Puller, Flywheel
383	89838	Wrench, Spark Plug
387	394281	Primer, Fuel
455	224250	Cup, Starter
456	224321	Retainer, Rewind Starter
459	492833	Pawl, Starter
461	262626	Pin, Starter
515	262625	Spring, Torsion
523	493950	Cap With Dipstick, Oil Filler
524	280393	* Seal, Filler Tube
525	493952	Tube, Oil Filler
528	399254	Hose, Primer
529	280943	Grommet, Breather
562	92613	Bolt, Governor Lever
572	224328	Baffle, Cylinder
592	231082	Nut, Hex
601	93807	Clamp, Hose, Black
601A	94171	Clamp, Hose
608	493295	Starter Assembly, Rewind
	Includes:	94128 Screw, Hex Head
		92987 Nut, Hex
613	94231	Screw, Muffler Mounting
615	94474	Pushnut, Governor Crank
616	262578	Crank, Governor
617	270344	*** Seal, Fuel Intake Tube
620	493895	Bracket Assembly, Carburetor Control

## KEY PART

NO.	NO.	DESCRIPTION
621	396847	Switch, Stop
625	492717	Tube, Fuel Intake
634	---	*** Washer, Shaft (Sold in Kit Only)
635	66538	Elbow, Spark Plug
670	280512	Spacer, Fuel Tank
670A	493823	Spacer, Carburetor Bracket (2)
741	262598	Gear, Timing
832	494224	Guard, Muffler
842	280966	* Seal, O-Ring
843	272616	Sleeve, Control Lever
847	493459	Dipstick and Tube Assembly, Oil Filler
851	221798	Terminal, Ignition Cable
869	213512	Seat, Intake Valve, Standard
870	213513	Seat, Exhaust Valve, Standard
871	262001	Guide, Exhaust Valve
	63709	Guide, Intake Valve (See Repair Instruction Manual)
922	262640	Spring, Brake
923	493442	Brake Assembly
949	281191	Guard, Finger
955	493637	Screw, Fuel Bowl, Standard
957	397974	Cap Assembly, Fuel
966	494735	Base, Air Cleaner
967	491588	Filter, Air
968	281069	Cover, Air Cleaner
969	94173	Screw, Cover Mounting
971	94269	Screw, Air Cleaner
971A	94121	Screw, Base to Carburetor
972	495224	Tank Assembly, Fuel
975	493640	Bowl Assembly, Carburetor
977	490937	Gasket Set, Carburetor
991	493537	Pre-Filter
1016	224278	Cover, Rewind Starter
1019	495354	Label Kit
	*	Included in Gasket Set (493263)
	**	Included in Carburetor Overhaul Kit (493762)
	***	Included in both Carburetor Overhaul Kit(493762), and Carburetor Gasket Set (490937)

**NOTE:** All component dimensions given in U.S. inches  
1 inch = 25.4 mm

RPM Settings:      Low Speed 1900-2100  
                             High Speed 3000-3200

## SERVICE NOTES

**SEARS**

**OWNER'S  
MANUAL**

**MODEL NO.  
917.373231**

**HOW TO ORDER  
REPAIR PARTS**

**CRAFTSMAN®**

**5.0 HORSEPOWER  
22" REAR DISCHARGE  
3 in ONE Convertible  
POWER PROPELLED  
ROTARY LAWN MOWER**

Each lawn mower has its own model number. Each engine has its own model number.

The model number for your lawn mower will be found on a decal attached to the rear of the lawn mower housing.

The model number for your engine will be found on the blower housing of the engine.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Center/Department and most Retail Stores.

**WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE  
FOLLOWING INFORMATION:**

- **PRODUCT - LAWN MOWER**
- **MODEL NUMBER - 917.373231**
- **ENGINE MODEL NO. - 126802, TYPE NO. 3215-01**
- **PART NUMBER**
- **PART DESCRIPTION**

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.