SEARS

MODELO NO. 917.377210

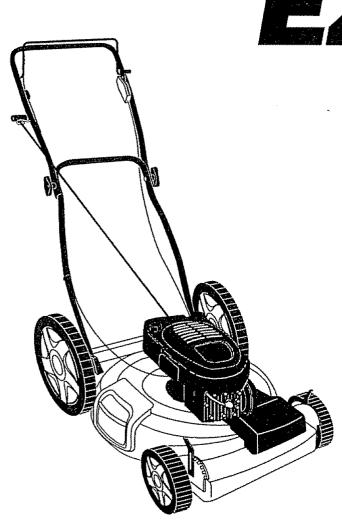
MANUAL DEL DUEÑO



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

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

156525 REV.1 01.30.97 VBL



IMPRESO EN LOS ESTADOS UNIDOS

SAFETY RULES



Safe Operation Practices for Walk-Behind Mowers 🎩



IMPORTANT: THIS CUTTING MACHINE IS CAPABLE OF AMPUTATING HANDS AND FEET AND THROWING OBJECTS. FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

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.

- 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
- The blade turns when the engine is running

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.
- 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 danger-
- 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.

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 CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.



CAUTION: Always disconnect spark plug wire and place wire where it cannot contact spark plug in order to prevent accidental starting when setting up, transporting, adjusting or making repairs.



🕰 WARNING 🕰



The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

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

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Authorized Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this lawn mower.

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

MODEL NUMBER 9	17.377210
SERIAL NUMBER	
DATEOFPURCH	ASE
	SERIAL NUMBERS WILL BE FOUND TTACHED TO THE REAR OF THE HOUSING
	ECORD BOTH SERIAL NUMBER AND HASE AND KEEP IN A SAFE PLACE EFERENCE.

PRODUCT SPECIFICATIONS

HORSEPOWER:	6.25
DISPLACEMENT:	12.56 CU. IN.
GASOLINE CAPACITY AND TYPE:	1.6 QUARTS UNLEADED REGULAR
OIL TYPE (API-SF/SG):	SAE 30 (ABOVE 32°F) SAE 5W-30 (BELOW 32°F)
OIL CAPACITY:	20 OZS.
SPARK PLUG: (GAP: .030")	CHAMPION J19LM, RJ19LM STD361458
VALVE CLEARANCE:	INTAKE: .005007 EXHAUST: .007009
SOLID STATE IGNITION AIR GAP:	.0125 IN.
BLADE BOLT TORQUE:	35-40 FT. LBS.

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 (2) 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

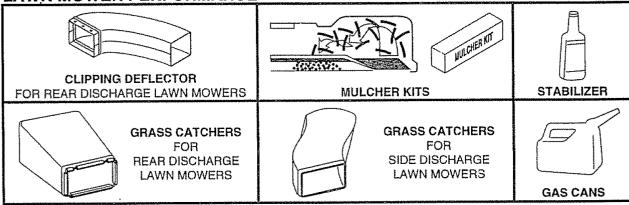
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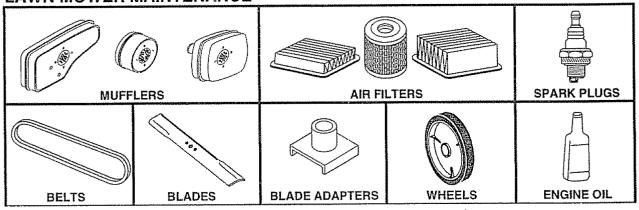
LAWN MOWER ACCESSORIES

These accessories were available when this lawn mower was produced. They are also available at most Sears retail outlets 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.

LAWN MOWER PERFORMANCE



LAWN MOWER MAINTENANCE



ASSEMBLY

Read these instructions and this 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. All parts such as nuts, washers, bolts, etc., necessary to complete the assembly have been placed in the parts bag. 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.

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.

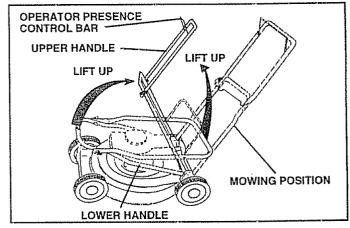


FIG. 1

- 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.

OPERATION

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.

These symbols may appear on your lawn mower or in literature supplied with the product. Learn and understand their meaning.



















DANGER, KEEP HANDS AND FEET AWAY

OR WARNING

ENGINE ON

ENGINE OFF

SLOW.

CHOKE

OPERATOR PRESENCE CONTROL BAR DRIVE CONTROL LEVER ENGINE ZONE CONTROL CABLE DRIVE CONTROL STARTER HANDLE HANDLE KNOB **GASOLINE CAP ENGINE OIL CAP** PRIMER WITH DIPSTICK **DRIVE COVER ENGINE SPEED CONTROL MULCHER DOOR** HOUSING WHEEL ADJUSTER (ON EACH WHEEL)

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.

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.

MULCHER DOOR - allows conversion to discharge or bagging operation.

ENGINE SPEED CONTROL LEVER - must be in the fast (%) position for starting and mowing.

OPERATION



The operation of any lawn mower can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your lawn mower or performing any adjustments or repairs. We recommend a wide vision safety mask over the spectacles or standard safety glasses.

HOW TO USE YOUR LAWN MOWER ENGINE SPEED CONTROL (See Fig. 2)

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.

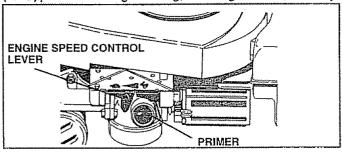


FIG. 2

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.

DRIVE CONTROL (See Fig. 3)

- 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.

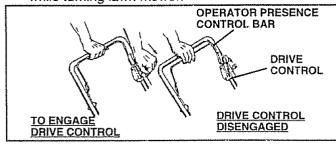


FIG. 3

TO ADJUST CUTTING HEIGHT (See Fig. 4)

- Raise wheels for low cut and lower wheels for high cut.
- 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.

NOTE: Adjuster is properly positioned when plate tab inserts into hole in lever. Also, 9-position adjusters (if so equipped) allow lever to be positioned between the plate tabs.

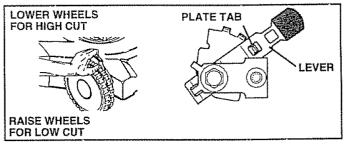


FIG. 4

NOTE: Your lawn mower has been shipped ready for mulching operation. To convert to discharging operation, you must install the discharge deflector attachment included with your mower.

TO INSTALL DISCHARGING DEFLECTOR (See Fig. 5)

- Lift door upward on it's hinge until the deflector frame can be hooked over the door mounting bracket as shown.
- Release the door to rest against deflector frame.
- To return to mulching operation, reverse the above steps and be sure door is in closed position.

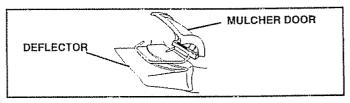


FIG. 5



CAUTION: Do not operate your lawn mower without mulcher door in closed position, discharge deflector in place, or approved grass catcher in place.

BEFORE STARTING ENGINE OIL (See Fig. 6)

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.

OPERATION

- 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. 6)

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.

TO START ENGINE

- To start a cold engine, push primer five (5) 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.
- 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.

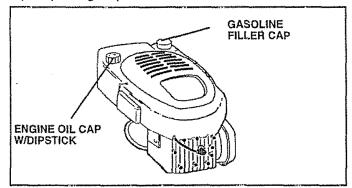


FIG. 6

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 by overlapping previously cut path and mow slowly.
- For better grass bagging and most cutting conditions, the engine speed should be set in the fast (**) position.
- For side discharge lawn mowers, cutting in a counterclockwise direction, starting at the outside of the area to be cut, spreads grass clippings more evenly and puts less load on the engine. To keep clippings off of walkways, flower beds, etc., make the first cuts in a clockwise direction.
- 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 catcher off with water and let dry before using.
- Keep top of engine around starter clear and clean of grass clippings and chaff. This will help engine air flow and extend engine life.

MULCHING MOWING TIPS

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. 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.
- 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. 7). 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 by overlapping previously cut path and mow slowly.
- 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.

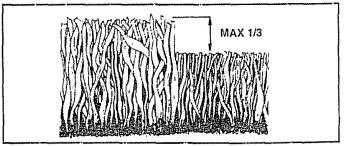


FIG. 7

CUSTOMER RESPONSIBILITIES

	MAINTENANCE SCHEDU	JLE			HUSE	19E/29	NP ⁵	NPS P	ON PA	E.		
	FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		aero?	E E A	EACH	USE 2HOURS 2HOUR	725EP	FORE	SERV	ICE D	ATES	
	Check for Loose Fasteners Clean/Inspect Grass Catcher (If Equipped)	4	8/				9 /					
N O N	Clean Lawn Mower Clean Under Drive Cover (Power-Propelled Mowers)				6 /		y					
E	Check drive belt/pulleys (Power-Propelled Mowers)					V						
R	Check/Sharpen/Replace Blade					√ 3						
	Lubrication Chart					6/	6/					
	Clean Battery/Recharge (Electric Start Mowers)					~	6/ 4					
E	Check Engine Oil Level	6/										
N	Change Engine Oil			64		1,2						
G	Clean Air Filter					M						
	Inspect Muffler					V						
N	Clean or Replace Spark Plug	a a superior de la companya de la co				9/						
E	Replace Air Filter Paper Cartridge					/ 2						

- 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, clean or 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.

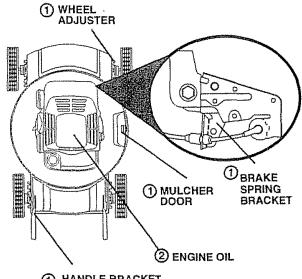
BEFORE EACH USE

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

LUBRICATION

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

LUBRICATION CHART



1 HANDLE BRACKET MOUNTING PIN

- (1) SPRAY LUBRICANT
- ② REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION.

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. 8)

- 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. 8)

- 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: BLADEBOLT 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.

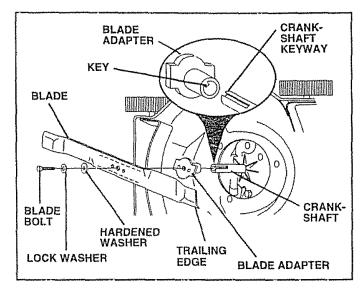


FIG. 8

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 authorized service center.

GRASS CATCHER

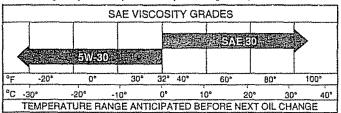
(If purchased as an accessory)

- 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 SF or 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. 9)

NOTE: Before tipping lawn mower to drain oil, drain fuel tank by running engine until fuel tank is empty.

- 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.

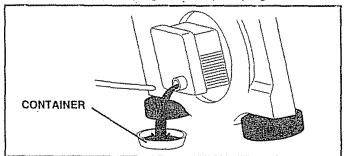


FIG. 9

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. 10)

- Remove the air filter by turning counterclockwise to the stop and pull away from collar.
- · Remove filter from inside of cover.
- Clean the inside of the cover and the collar to remove any dirt accumulation.

- Insert new filter into cover.
- Put air filter cover and filter into collar aligning the tab with the slot.
- Push in on cover and turn clockwise to tighten.



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.

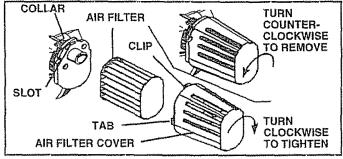


FIG. 10

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 THE UNDERSIDE OF YOUR MOWER 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.

DISCHARGE GUARD

The discharge guard, attached to the discharge opening of your lawn mower, is provided to prevent the possibility of injury resulting from objects being thrown out of the discharge opening into the operator mowing position. If the discharge guard becomes damaged, it should be replaced.

REAR DEFLECTOR

The rear deflector, attached between the rear wheels of your mower, is provided to minimize the possibility that objects will be thrown out of the rear of the mower into the operator mowing position. If the deflector becomes damaged, it should be replaced.

TO REMOVE/REPLACE DRIVE BELT (See Fig. 11)

- 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.

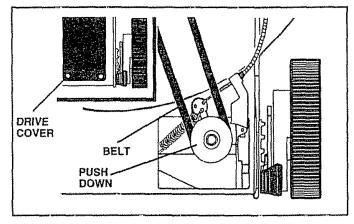


FIG. 11

SERVICE AND ADJUSTMENTS

TO ADJUST HANDLE (See Figs. 12 Thru 14)

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. 12B).
- 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. 14).
- 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 overtighten 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. 13A).
- To change from medium low to low position, only the lower handle section will have to be turned over (See Fig. 13B).

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 engine is running too fast or too slow, take your mower to an authorized service center for repair and adjustment.

CARBURETOR

Your carburetor is not adjustable. If your engine does not operate properly due to suspected carburetor problems, take your lawn mower to an authorized service center for repair and/or adjustment.

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.

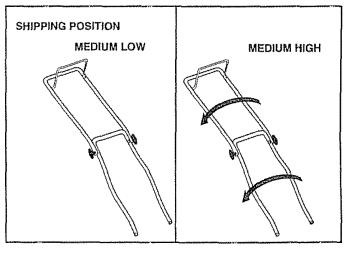


FIG. 12A

FIG. 12B

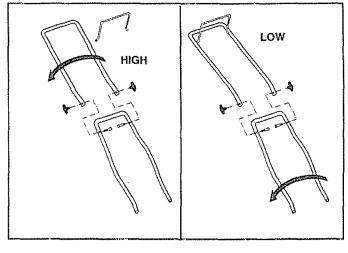


FIG. 13A

FIG. 13B

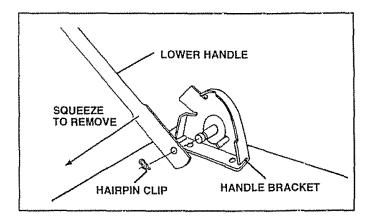


FIG. 14

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. 15)

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.

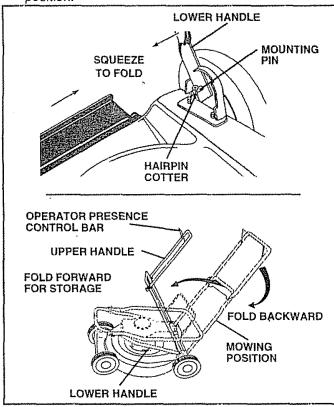


FIG. 15

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEMPARTS 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.

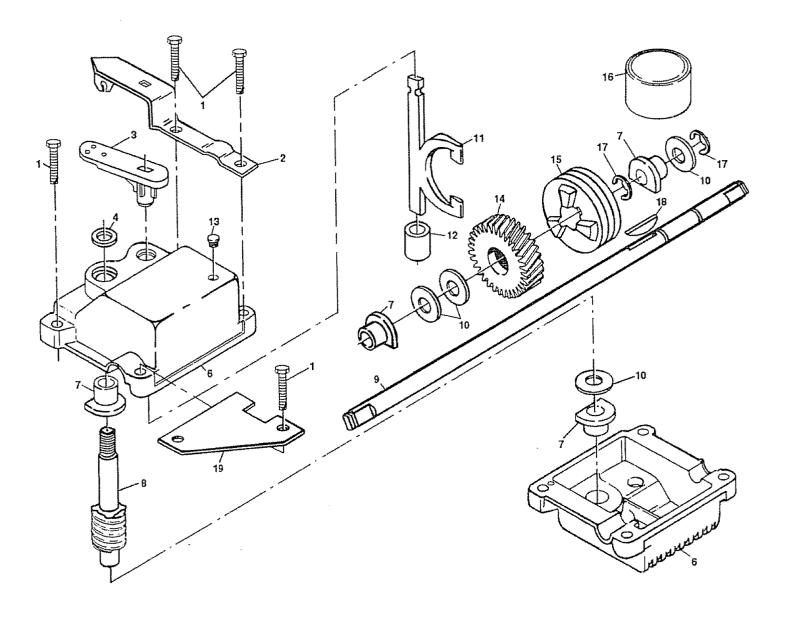
IMPORTANT: NEVER COVER MOWER WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.



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.

REPAIR PARTS

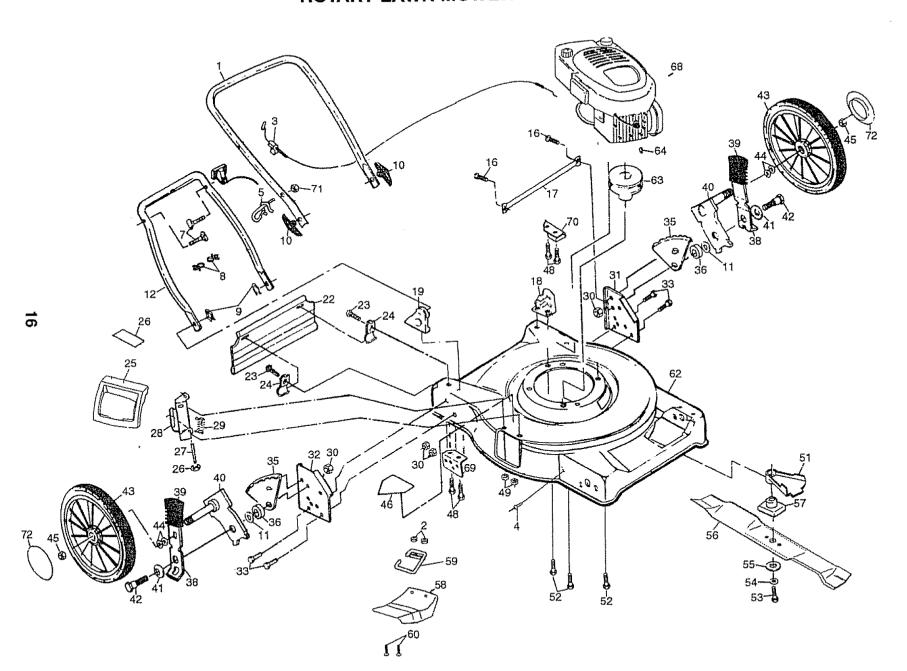
ROTARY LAWN MOWER - - MODEL NO. 917.377210 GEAR CASE ASSEMBLY PART NUMBER 702511



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 6	17490416 137055X004 137053 57072 48373	Tapping Screw 1/4-20 x 1-1/4 Engagement Bracket Shifter Seal Gear Case Halves Kit (Includes Key Nos. 4, 5, and 7)	11 12 13 14 15	131484 700343 86447 137050 750436X 750369	Clutch Yoke Bushing Plug Helical Gear Clutch Jaw Grease E-Ring
7 8 9 10	77881 137051 137074 57079	Bearing Worm Shaft Drive Shaft Hardened Washer	17 18 19 NOT	12000003 850848 81585X004 E: All compor 1 inch = 25	Hi-Pro Key Spring Bracket nent dimensions given in U.S. inches.

REPAIR PARTS

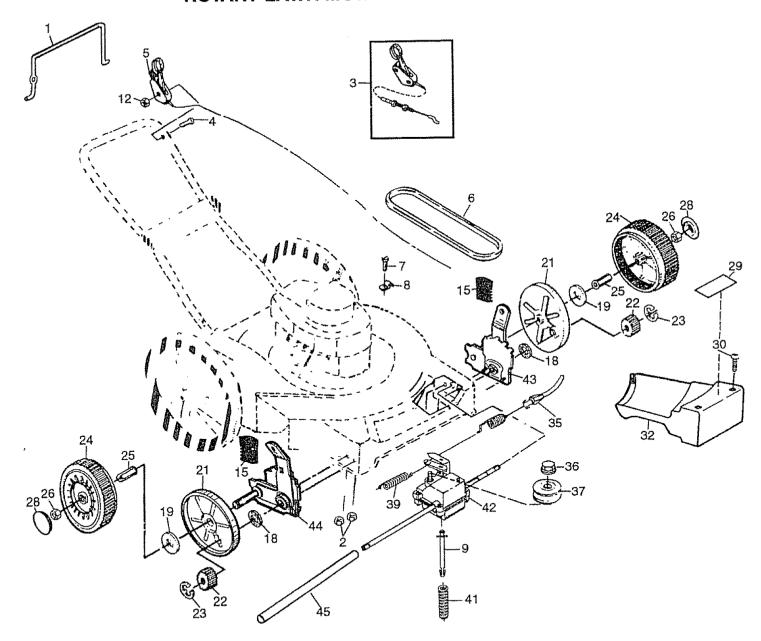
ROTARY LAWN MOWER - MODEL NO. 917.377210



ROTARY LAWN MOWER - MODEL NO. 917.377210

	KEY NO.	PART NO.	DESCRIPTION	KE NO		PART NO.	DESCRIPTION
17	17 18 19 22 23 24 25 26 27 28 29 30 31 32 33 35 36 38 39 40 41 42	STD512505 750157 151667X479 151665X479 140540 750097 87584X004 151889 152904 147286 154132 152124 751592 700168X479	Handle Bracket Assembly (Right) Rear Deflector Hex Washer Head Screw #10-24 x 1/2 Deflector Bracket Discharge Guard Decal, Mulching Door Hinge Rod Housing Bracket Torsion Spring Locknut Support Bracket (Left) Support Bracket (Right) Hex Head Bolt 3/8-16x3/4 Wheel Adjusting Bracket Spacer Selector Spring Selector Knob	44 45 46 48 49 55 55 55 55 56 62 63 64 69 71 72 Avail	8: 8: 1: 8: 8: 8: 1: 8: 8: 8: 1: 8: 8: 8: 8: 7: 7: 7: 8: 8: 8: 8: 1: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8:	7143 3923 5463 49741 TD541425 34612 50406 51084 50263 51074 52202 51514 52118 51399 4180410 56516 5543 7677 53350X479 53282X479 3601 51440 56525 Ile accessorie 1 33072 1 33623 1 33500 1 33316	Wave Washer Locknut 3/18-16 Danger Decal Thread Cutting Screw 5/16-18 x 3/4 Hex Locknut Debris Shield Hex Head Thread Rolling Screw 3/8-16 x 1-1/8 Hex Head Screw 3/8-24 x 1-3/8 (Grd. 8) Helical Lockwasher Hardened Washer Blade 22" Blade Adapter Deflector Bracket, Deflector screw 1/4-20 Lawn Mower Housing (Incl. Ref. #46) Engine Pulley Hi-Pro Key #HP 505 Engine - (See Breakdown) Craftsman Model 143.976250 Support Brkt Handle RH Support Brkt Handle LH Locknut Keps Hubcap Owner's Manual (English/Spanish) es not included with lawn mower: Grass Catcher Gas Can (2.5 gal.) Fuel Stabilizer SAE 30W Oil (20 oz.) Mower Cover

ROTARY LAWN MOWER - MODEL NO. 917.377210

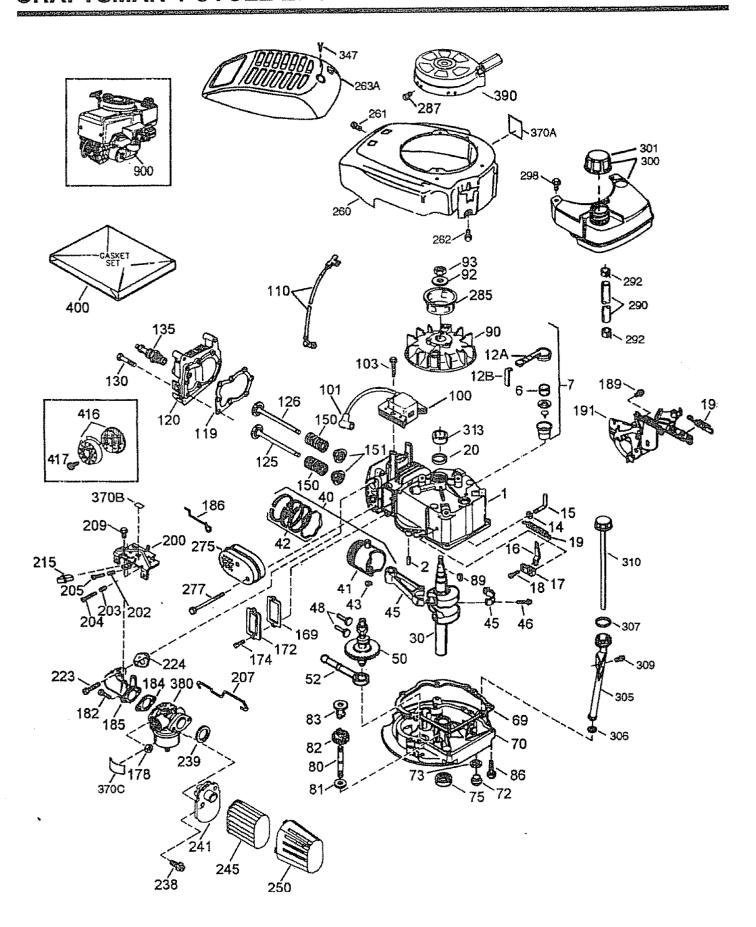


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REPAIR PARTS

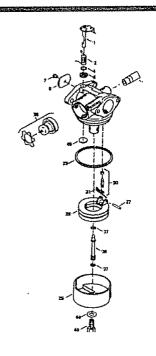
ROTARY LAWN MOWER - MODEL NO. 917.377210

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 145793 2 STD541425 3 48385 4 144929 5 146323 6 146527 9 150495 12 63601 15 701037 18 88118 19 67725 21 88080 22 137054 23 12000058 24 150340 25 88446	Control Bar Locknut 1/4-20 Control Head Kit Hex Washer Head Screw #10-24 x 2-1/8 Control Cable Assembly V-Belt Spring Retainer Locknut 1/4-20 Selector Knob Felt Washer Washer 1/2 x 1-1/2 x .134 Dust Cover Pinion E-Ring Wheel & Tire Assembly Wheel Bushing	26 145212 28 150182 29 152903 30 143603 32 154990 35 48386 36 132010 37 137052 39 75192 41 137090 42 702511 43 152018 44 152019 45 86012	Hex Flange Locknut Hubcap Drive Cover decal Pan Head Tapping Screw #10-24 x 2-3/4 Drive Cover Drive Control Cable Kit Locknut Drive Pulley Spring Spring Gear Case Assembly (Compoete) Wheel Adjuster Assembly (Left) Wheel Adjuster Assembly (Right) Driveshaft Cover

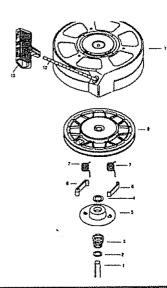


KEY PART		KEY PART NO. NO.	DESCRIPTION
NO. NO.	DESCRIPTION	110. 110.	DECOMB HOM
1 36478A	Cylinder (Incl. 2,7,20 & 125)	185 36544	Intake Pipe
2 26727	Dowel Pin	186 34337	Governor Link
6 33734	Breather Element	189 650839	Screw, 1/4-20 x 3/8"
7 36557	Breather Ass'y. (Incl. 6 & 12A)	191 36559 195 610973	S.E. Brake Bracket (Incl. 195) Terminal
12A 36558	Breather Cover & Tube (Incl. 12B)	200 35727	Control Bracket (Incl. 202 thru 205)
12B 34695	Breather Tube Elbow	202 36482	Compression Spring
14 28277	Washer	203 31342	Compression Spring
15 30589	Governor Rod (Incl. 14)	204 650549	Screw, 5-40 x 7/16"
16 32651 17 31335	Governor Lever	205 650777	Screw, 6-32 x 21/32"
18 651018	Governor Lever Clamp Screw, Torx T-15, 8-32 x 19/64"	207 34336	Throttle Link
19 36281	Extension Spring	209 30200	Screw, 10-24 x 9/16"
20 32600	Oil Seal	215 35511	Control Knob
30 35801	Crankshaft	223 650451	Screw, 1/4-20 x 1"
40 36073	Piston, Pin & Ring Set (Std.)	224 34690A 238 650932	* Intake Pipe Gasket Screw, 10-32 x 49/64"
40 36074	Piston, Pin & Ring Set (010" OS)	239 34338	* Air Cleaner Gasket
40 36075	Piston, Pin & Ring Set (.020" OS)	241 36919	Air Cleaner Collar
41 36070	Piston & Pin Ass'y. (Std.) (Incl. 43)	245 36905	Air Cleaner Filter
41 36071	Piston & Pin Ass'y.	250 36920	Air Cleaner Cover
41 36072	(.010" OS) (Incl. 43) Piston & Pin Ass'y.	260 36915	Blower Housing
41 36072	(.020" OS) (Incl. 43)	261 30200	Screw, 10-24 x 9/16"
42 36076	Ring Set (Std.)	262 650831	Screw, 1/4-20 x 1/2"
42 36077	Ring Set (.010" OS)	263A 36921	Starter Grill
42 36078	Ring Set (.020" OS)	275 36473 277 650988	Muffler (Incl. 277)
43 20381	Piston Pin Retaining Ring		Screw, 1/4-20 x 2-5/16" Starter Cup
45 32875A	Connecting Rod Ass'y. (Incl. 46)	287 650926	Screw, 8-32 x 21/64"
46 32610A	Connecting Rod Bolt	290 29774	Fuel Line
48 27241	Valve Lifter	292 26460	Fuel Line Clamp
50 35992 52 29914	Camshaft (MCR) Oil Pump Ass'y	298 28763	Screw, 10-32 x 35/64"
69 35261	* Mounting Flange Gasket	300 36916	Fuel Tank (Incl. 292 & 301)
70 34311D	Mounting Flange (Incl. 72 thru 83)	301 36246	Fuel Cap
72 30572	Oil Drain Plug (Incl. 73)	305 35647 306 36832	Oil Fill Tube * "O"-Ring
73 28833	Drain Plug Gasket	307 35499	"O"-Ring
75 27897	Oil Seal	309 650562	Screw, 10-32 x 1/2"
80 30574A	Governor Shaft	310 35648	Dipstick
81 30590A 82 30591	Washer Governor Gear Ass'y. (Incl. 81)	313 34080	Spacer
83 30588A	Governor Spool	347 651038	Screw, 10-32 x 51/64"
86 650488	Screw, 1/4-20 x 1-1/4"	370A 36261	Lubrication Decal
89 611004	Flywheel Key	370B 35167	Control Decal
90 611112	Flýwheel	370C 36861 380 632747	Primer Decal
92 650815	Belleville Washer	390 590702	Carburetor (Incl. 184) Rewind Starter
93 650816	Flywheel Nut	400 36481	Gasket Set
100 34443A	Solid State Ignition		(Incl. Items Marked * in Notes)
101 610118 103 651007	Spark Plug Cover Screw, Torx T-15, 10-24 x 15/16"	416 36085	Spark Arrestor Kit
110 34961	Ground Wire		(Incl. 416)(Optional)
119 36477	* Cylinder Head Gasket	417 650760	Screw, 8-32 x 3/8" (Optional)
120 36476	Cylinder Head	900 —	Replacement Engine 750784A,
125 36471	Exhaust Valve (Std.) (Incl. 151)	900	order from 71-999 Beplacement S/B 750670A,
125 36472	Exhaust Valve	000	order from 71-999
400 000440	(1/32" OS) (Incl. 151)	Marriage Mar	RPM High 2900 to 3200
126 29314B	Intake Valve (Std.) (Incl. 151)	Sportstatute states against	RPM Low 2450 to 2750
126 29315C 130 6021A	Intake Valve (1/32" OS) (Incl. 151) Screw, 5/16-18 x 1-1/2"		
135 35395	Resistor Spark Plug (RJ19LM)		ine could have been built with 590739
150 35991	Valve Spring	starter. Hefer to the	ne design of the rope pulley strength
151 31673	Valve Spring Cap		fication. Individual starter parts do not
169 27234A	* Valve Cover Gasket		. part #'s 26756 (1),27234A (1), 33735 338 (1), 34690A (1), 35261 (1),
172 32755	Valve Cover	36477 (1)	000 (1), 040000 (1), 00201 (1),
174 30200	Screw, 10-24 x 9/16"	~~··· \'/	
178 29752 182 6201	Nut & Lock Washer, 1/4-28	NOTE: All compo	onent dimensions given in U.S. inches
184 26756	Screw, 1/4-28 x 7/8" * Carburetor To Intake Pipe Gasket	1 inch = 25.4 mm	
IWT WUIVU	valuation to intains I the desiret	04	

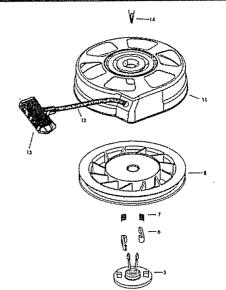
CRAFTSMAN 4-CYCLE ENGINE



	PART NO.	DESCRIPTION
	632747	Carburetor (Incl. 184 of Engine Parts List)
1	631615	Throttle Shaft & Lever Assembly
2	631767	Throttle Return Spring
	631184	Dust Seal Washer
5	631183	Dust Seal (Throttle)
	632504	Throttle Shutter
	650506	Shutter Screw
16	631807	Fuel Fitting
25	631867	Float Bowl
27	631024	Float Shaft
	632019	Float
	631028	Float Bowl "O" Ring
	631021	Inlet Needle, Seat, & Clip (Incl. 31)
	631022	Spring Clip
	36045	Primer Bulb/Retainer Ring
	632735	Main Nozzle Tube
	632547	"O" Ring, Main Nozzle Tube
	632736	High Speed Bowl Nut
	27110	Bowl Nut Washer
48	631027	Welch Plug, Atmospheric Vent



KEY NO.	PART NO.	DESCRIPTION
6 7 8	590702 590599A 590600 590696 590601 590697 590698 590699 590700 590703	Recoil Starter Spring Pin (Incl. 4) Washer Retainer Washer Brake Spring Starter Dog Dog Spring Pulley & Rewind Spring Ass'y. Starter Housing Ass'y.
	590535 590701	(40 degree grommet) Starter Rope (98" X 9/64" dia.) Starter Handle



	PART NO.	DESCRIPTION
	590739	Rewind Starter
3	590740	Retainer
	590616	Starter Dog
	590617	Dog Spring
8	590618A	Pulley & Rewind Spring Ass'y
11	590638	Starter Housing Ass'y
		(40 degree grommet)
12	590535	Starter Rope
		(Length 98" x 9/64" dia.)
13	590701	Starter Handle
14	590741	Locking Tab

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

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Does not start	 Dirty air filter. Out of fuel. Stale fuel. Water in fuel. Spark plug wire is disconnected. Bad spark plug. Loose blade or broken blade adapter. Control bar in released position Control bar defective 	 Clean/replace air filter Fill fuel tank. Drain tank and refill with fresh clean fuel. Drain fuel tank and carburetorand refill tank with fresh gasoline. Connect wire to plug. Replace spark plug. Tighten blade bolt or replace blade adapter. Depress control bar to handle. Replace control bar.
Loss of power	 Rear of lawn mower housing/blade dragging in heavy grass. Cutting too much grass. Dirty air filter. Buildup of grass, leaves and trash under mower. Too much oil in engine. Walking speed too fast. 	 Set in "Higher Cut" position. Set in "Higher Cut" position. Clean/replace air filter. Clean underside of mower housing. Check oil level. Cut at slower walking speed.
Poor cut - uneven	Worn, bent or loose blade. Wheel heights uneven. Low engine speed. Buildup of grass, leaves, and trash under mower.	 Replace blade. Tighten blade bolt. Set all wheels at same height. Set engine speed control in fast position. Clean underside of mower housing.
Excessive vibration	1. Worn, bent or loose blade. 2. Bent engine crankshaft.	Replace blade. Tighten blade bolt. Contact an authorized service center/department.
Starter rope hard to pull	1. Engine flywheel brake is on when control bar is released. 2. Bent engine crankshaft 3. Blade adapter broken. 4. Blade dragging in grass.	Depress control bar to upper handle before pulling starter rope. Contact an authorized service center/department. Replace blade adapter. Move lawn mower to cut grass or to hard surface to start engine.
Loss of drive (Self-Propelled Mowing)	Drive wheels not turning with drive control engaged. Bett not driving.	Adjust or replace drive control cable, if broken. Put belt on pulleys or replace belts if broken.
Grass catcher not filling (If so equipped)	1. Cutting height too low. 2. Lift on blade worn off. 3. Catcher not venting air. 4. Low engine speed.	1. Raise cutting height. 2. Replace blade. 3. Clean grass catcher. 4. Set engine speed control in fast position.
Hard to push	Grass is too high or wheel height is too low. Rear of lawn mower housing/blade dragging in grass. Grass catcher too full. Handle height position not right for you.	 Raise cutting height. Raise rear of lawn mower housing one (1) setting higher. Empty grass catcher. Adjust handle height to suit.

SERVICE NOTES