

SEARS

**OWNER'S
MANUAL**

**MODEL NO:
917.372230**

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

CRAFTSMAN®

**4.0 RESERVE POWER
22" REAR BAGGER
POWER PROPELLED
ROTARY LAWN MOWER**

**Assembly
Operation
Maintenance
Service and Adjustment
Repair Parts**



SEARS, ROEBUCK AND Co., Chicago, IL. 60684 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 TO YOUR MOWER.



IMPORTANT

FEDERAL REGULATIONS REQUIRE OPERATOR PRESENCE BLADE STOP CONTROLS TO MINIMIZE THE RISK OF BLADE CONTACT INJURY. YOUR MOWER IS EQUIPPED WITH SUCH CONTROLS. DO NOT ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR PRESENCE CONTROL UNDER ANY CIRCUMSTANCES.

- BE CAREFUL WHEN THE ENGINE IS RUNNING THE BLADE IS TURNING.
- Please read your owner's manual. Only allow persons who know the safety rules to use your mower.
- DO NOT tie the operator presence control bar to the handle. Control must be free to permit brake engagement when handles and control are released.
- DO NOT allow children to use your mower.
- Check your mower over before each use. Tighten any loose bolts, nuts, etc.
- Remove all sticks, stones, wires, cans, boards, etc. from area to be mowed. These objects can be thrown by the blade.
- DO NOT allow children, bystanders or pets in the area while mowing.
- Always wear shoes when mowing. DO NOT operate mower when barefoot or wearing open sandals.
- Always wear safety glasses or eye shields before starting your lawn mower and while mowing.
- Always shut off engine before trying to adjust wheel heights.
- When engine is running, DO NOT put hands or feet under mower or in the discharge chute, nor make any adjustments.
- Stay clear of discharge opening at all times.
- Do not fill gas tank when engine is running, when indoors or when engine is hot. Allow engine to cool for several minutes before filling gas tank. Clean off any spilled gasoline before starting engine.
- Mow only in good light.
- Always stop blade when not cutting grass or when crossing gravel drive, sidewalk, or roadway.
- DO NOT continue to run your mower if you hit a foreign object. Stop the engine, disconnect the spark plug wire from the spark plug, inspect the mower for damage and make repairs as required.
- DO NOT use a damaged mower. Always have damage repaired before mowing.
- DO NOT run your mower if it vibrates too much. Stop engine and make repairs. Vibration is an indication of damage.
- Never use your mower without proper guards or deflectors in place.
- Always mow across a slope or inclined area. DO NOT mow up or down a slope or inclined area.
- DO NOT mow in wet grass. Be careful of footing when mowing in wet grass, use shoes with good traction.
- DO NOT run with the mower.
- DO NOT run your mower indoors. Exhaust gases are deadly poison.
- Always disconnect the spark plug wire from spark plug to prevent accidental starting when transporting or storing your mower after the mowing season.
- DO NOT attempt to raise engine speed above factory settings. Engine damage or personnel injury may result.
- If a grass catcher is used on your mower, check the catcher often for damage or deterioration. It will wear through normal use. Use only a recommended replacement catcher.
- Always stop blade to remove or install catcher.
- DO NOT store your mower or gasoline where fumes may reach an open flame and cause a fire.
- DRAIN THE GASOLINE from your mower before transporting your mower inside your car or other vehicle.



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 problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have 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 mower properly. Always observe the "SAFETY RULES".

<p>MODEL NUMBER 917.372230</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 MOWER HOUSING.</p> <p>YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.</p>

PRODUCT SPECIFICATIONS

RESERVE POWER:	4.0
DISPLACEMENT:	9.98 cu. in.
GASOLINE CAPACITY:	1.0 quart (Unleaded)
OIL (21 oz. Capacity):	SAE 30W (SAE 10W 30)
SPARK PLUG (GAP .030 in.):	Champion RJ19-LM (Sears 7133312 or STD 361458)
VALVE CLEARANCE: Intake:	.008 in.
Exhaust:	.008 in.
SOLID STATE IGNITION AIR GAP:	.0125 in.
BLADE NUT TORQUE:	70-75 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 mower.
- Follow the instructions under "Maintenance" and "Storage" sections of this Owner's Manual.

ONE YEAR LIMITED WARRANTY ON CRAFTSMAN POWER MOWER

For one year from the date of purchase, when this Craftsman Lawn Mower is maintained, lubricated and tuned-up according to the instructions in the owner's manual, Sears will repair, free of charge, any defect in material and 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.




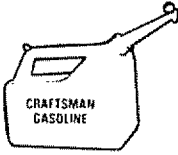


This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

SEARS, ROEBUCK AND CO. Department 698/731A Sears Tower, Chicago, Ill. 60684



MOWER ACCESSORIES

These accessories were available when the mower was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order repair parts for you, when you provide the model number of your mower.


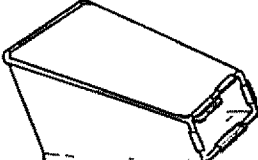
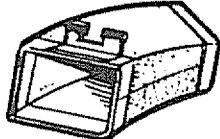
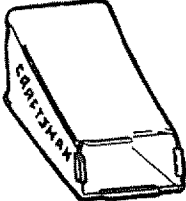
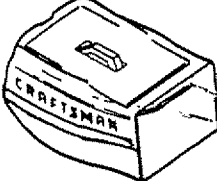
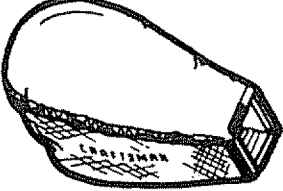
ENGINE

SPARK PLUG 	MUFFLER 	AIR FILTER 	GAS CAN 	ENGINE OIL 	STABILIZER 
--	---	--	--	--	--

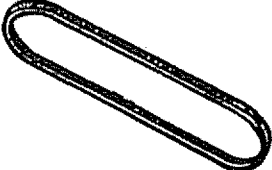
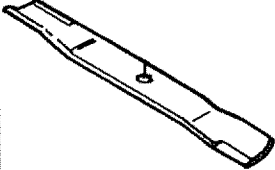


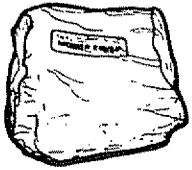
If mower is an electric start

CHARGER 	BATTERY 
---	---

MOWER PERFORMANCE

REAR BAG OPTIONAL	DUST SHIELD 	LEAF CATCHER 	CLIPPING DEFLECTOR 
REPLACEMENT BAG FOR REAR DISCHARGE MOWERS	FABRIC BAG 	PERMANEX CATCHER 	
OPTIONAL CATCHER FOR SIDE DISCHARGE MOWER	SIDE DISCHARGE CATCHER 		

MOWER MAINTENANCE

BELT	BLADE	BLADE ADAPTER	WHEELS	MOWER COVER
				

ASSEMBLY

Your lawn mower has been completely assembled at the factory except for the grass catcher bag and the grass catcher frame.

TO REMOVE MOWER FROM CARTON

- Remove loose parts if included with mower, (i.e. grass catcher, catcher frame, hardware pack, etc.).
- Cut down corners on one end of carton and lay end down flat.
- Remove packing material.
- Roll mower out of carton and check carton thoroughly for loose parts.

HOW TO SET-UP YOUR LAWN MOWER

TO UNFOLD HANDLE

Remove tape and paper holding operator presence control bar to upper handle.

- Hold down operator presence control bar to upper handle to allow handle to move to mowing position.
- Raise handles until lower handle section locks into place in the mowing position (See Fig. 1).
- Raise upper handle section into place on lower handle and tighten one (1) handle knob.
- Release operator presence control bar and tighten remaining handle knob.
- Your mower handle can be adjusted for your mowing comfort. Refer to "ADJUST HANDLE" in the Service and Adjustment section of this manual.

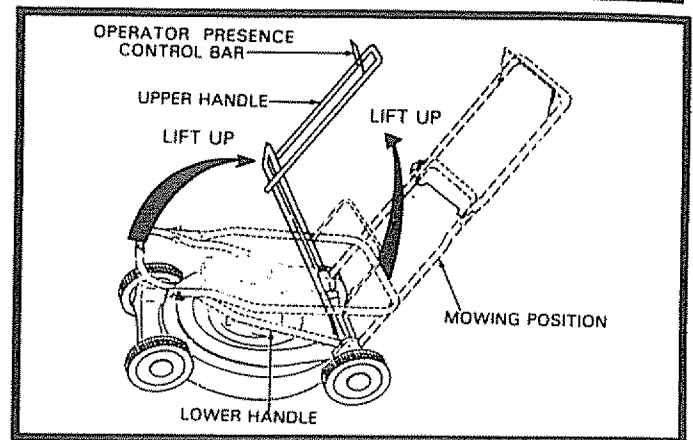


FIG. 1

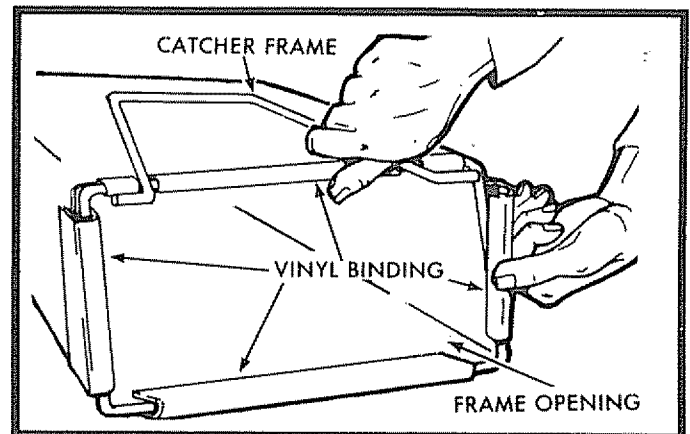


FIG. 2

TO ASSEMBLE AND TO ATTACH GRASS CATCHER

- Put grass catcher frame into grass bag with stiff part on bottom (See Fig. 2).
- Slip vinyl bindings over frame (See Fig. 2).

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 up tabs on the rear door hinge bracket (See Fig. 3).
- The grass catcher is secured to the mower housing when the rear door is lowered onto the grass catcher frame.

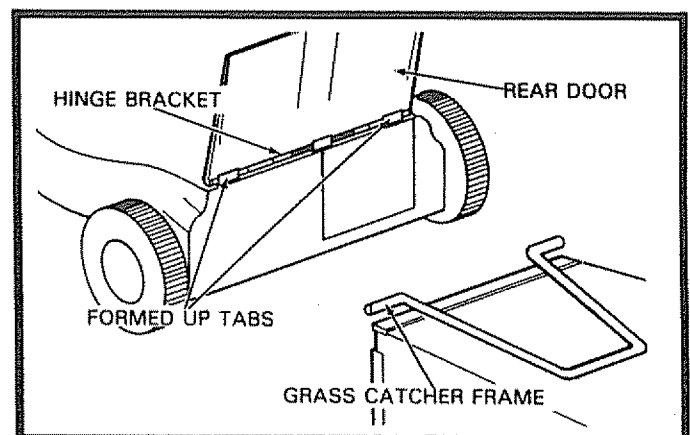


FIG. 3



CAUTION: DO NOT RUN YOUR LAWN MOWER WITHOUT DISCHARGE GUARD OR APPROVED GRASS CATCHER IN PLACE.

- Never attempt to operate the mower with the rear door removed or propped open.

OPERATION

KNOW YOUR MOWER

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

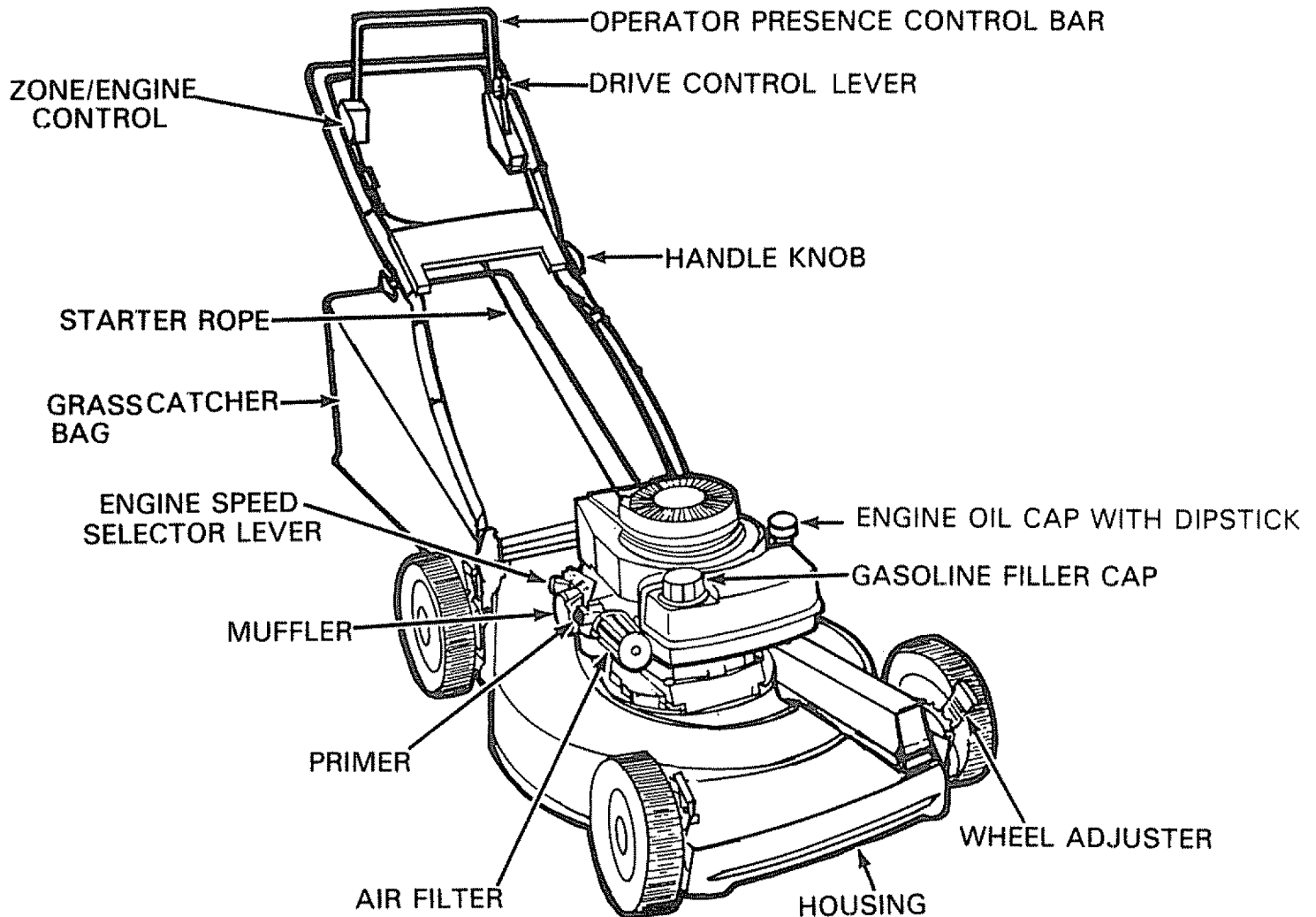


FIG. 4

MEETS CPSC SAFETY REQUIREMENTS

Sears Rotary Walk-Behind Power 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 BAR - must be held down to the handle to start the engine. Release to stop the engine.

ENGINE SPEED SELECTOR LEVER - located on the right side of the engine which allows you to select either "HIGH" or "LOW" engine speed.

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

STARTER ROPE - used for starting the engine.

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

OPERATION

HOW TO USE YOUR MOWER

ENGINE SPEED SELECTOR

The engine speed is controlled by a lever (red knob) located on the right side of the engine. "HIGH" position is for starting engine, normal cutting and better grass bagging. "LOW" position is for light cutting, trimming and fuel economy (See Fig. 5).

DRIVE CONTROL

- 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 (See Fig. 6).
- Forward motion will stop when the operator presence control bar is released. To stop forward motion without stopping the 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 mower.

NOTE: When your mower is new, the drive wheels may rotate without the drive control engaged when the wheels are lifted off the ground. This is normal and should stop after the first few hours of operation.

TO EMPTY GRASS CATCHER

- To remove grass catcher, release operator presence control bar to stop engine.
- Lift up rear door and remove the grass catcher by the handle (See Fig. 7).

NOTE: Do not drag the bag when emptying; it will cause unnecessary wear.

TO ADJUST CUTTING HEIGHT

- 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 (See Fig. 8).

BEFORE STARTING ENGINE

OIL:

- Remove engine oil cap with dipstick and fill to the "FULL" line on the dipstick. Use about one (1) pint or 1/2 liter of Sears 30W oil or equivalent. SAE 10W 30 oil can also be used. DO NOT

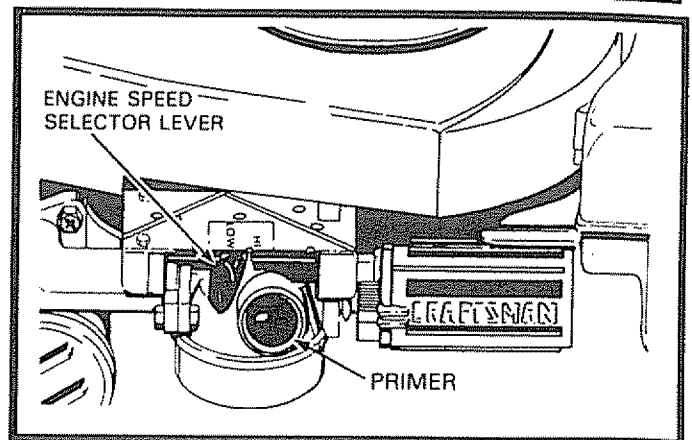


FIG. 5

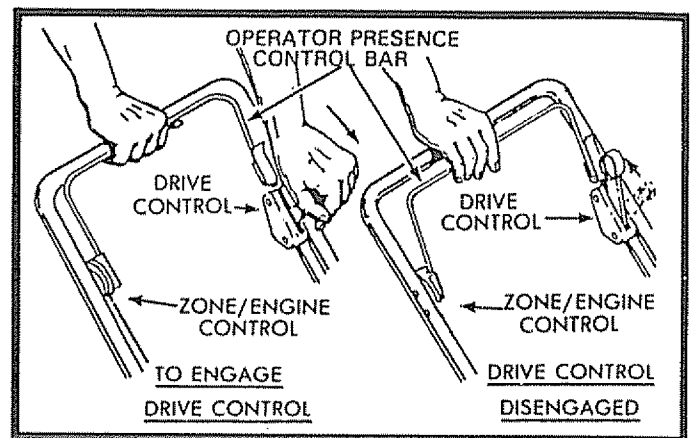


FIG. 6

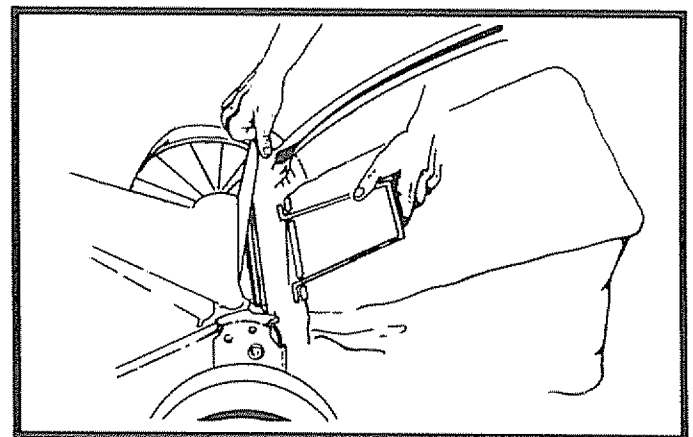


FIG. 7

use SAE 10W 40 oil. The total oil capacity of your engine is 21 oz. or 0.62 liters. Fill only to the full line on the dipstick. DO NOT overfill. The first fill on a new engine uses about one (1) pint of oil. Check oil level and add oil as needed to bring to the proper level.

- Pour oil slowly - DO NOT overfill.

GAS:

- Fill gasoline tank with fresh, clean unleaded gasoline. DO NOT USE PREMIUM GASOLINE. BE CAREFUL NOT TO OVER FILL TANK (SEE FIG. 4).

OPERATION

BEFORE STARTING ENGINE (CONT'D)

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 for 30 days or longer. Drain the gas tank, start the engine and let it run until the 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 the 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.
- Push engine speed selector lever forward to "HIGH" 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.

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.

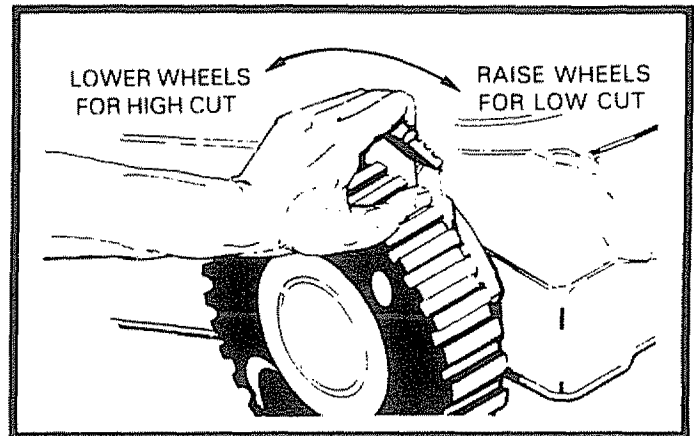


FIG. 8

- For extremely heavy cutting, reduce the width of cut and raise the rear of the mower housing one (1) wheel adjuster setting higher than the front for better discharge of grass.
- When using a rear bagging mower in moist, heavy grass, clumps of cut grass may not enter the grass catcher. Reduce ground speed (pushing speed) and/or run the mower over the area a second time.
- For better grass bagging and most cutting conditions, the engine speed should be set in the "HIGH" (fast) position.
- If a trail of grass clippings is left on the right side of a rear bagging mower, mow in a clockwise direction with a small overlap to collect the clippings on the next pass.
- For side discharge mowers, cutting in a counter-clockwise 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.

MAINTENANCE

MOWER

GENERAL RECOMMENDATION

- Once a year you should replace the spark plug, air filter, and check blade for wear. A new spark plug and air filter assures proper air-fuel mixture and helps your engine run better and last longer.
- You should check all fasteners and be sure they are tight.
- Follow the Service Recommendation Schedule on page 16.

BLADE/BLADE FLANGE CARE

Your mower will work better with a sharp blade.



CAUTION: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG AND PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH THE SPARK PLUG.

TO REMOVE BLADE:

- Turn mower on its side. Make sure air filter and carburetor are up.
- Use block of wood between blade and mower housing to prevent blade from turning when nut is removed. Protect your hands with gloves and/or wrap blade with heavy cloth.
- Remove nut by turning counter-clockwise. Use a 15/16" box or open-end wrench.

NOTE: Check tab in blade flange after removing. If tab is damaged, replace it. It must be in good condition for the blade to work properly. We recommend that a new blade nut be used each time blade is removed.

TO REPLACE BLADE:

- Put blade flange on engine crankshaft with tab in slot (See Fig. 9).
- Fit blade on crankshaft in the blade flange. Be sure the word "TOP" (stamped on blade) is toward engine.
- Place flat washer, two (2) formed washers and nut on crankshaft (See Fig. 9).
- Use block of wood to hold blade and tighten nut clockwise. The recommended torque is 70-75 ft.-lbs. Torque wrenches are available at most Sears stores and through the catalog.



CAUTION: A LOOSE BLADE CAN BE DANGEROUS AND MAY MAKE THE ENGINE HARD TO START

Use only a Sears authorized replacement blade to get the best cutting results.

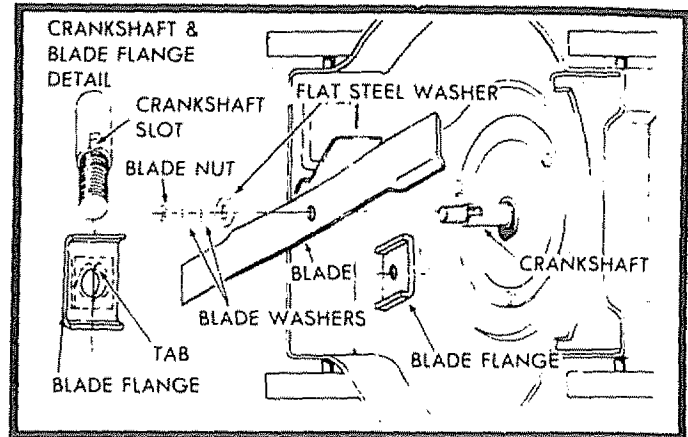


FIG. 9

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

TO SHARPEN BLADE:

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration when running and eventual damage to mower or engine.
- 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, blade is not balanced. Sharpen the heavy end until the blade is balanced.

MAINTENANCE

DRIVE WHEELS

NOTE: 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 hub caps, 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 Sears Service Center.

GRASS CATCHER

Check your grass catcher for damage or deterioration. Through normal use it will wear. If catcher needs replacing, replace only with a manufacturer approved replacement catcher from Sears. Give the mower model number when ordering.

NOTE: The catcher may be hosed with water, but must be dry when used.

ENGINE

TO CHANGE OIL



CAUTION: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG AND PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH SPARK PLUG.

- Remove engine oil cap with dipstick; lay aside on a clean surface. Warm oil drains better.
- Tip mower on its side as shown in Fig. 10 and drain oil into suitable container. Rock mower back and forth to remove any oil trapped inside of engine.
- Wipe off any spilled oil on 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.

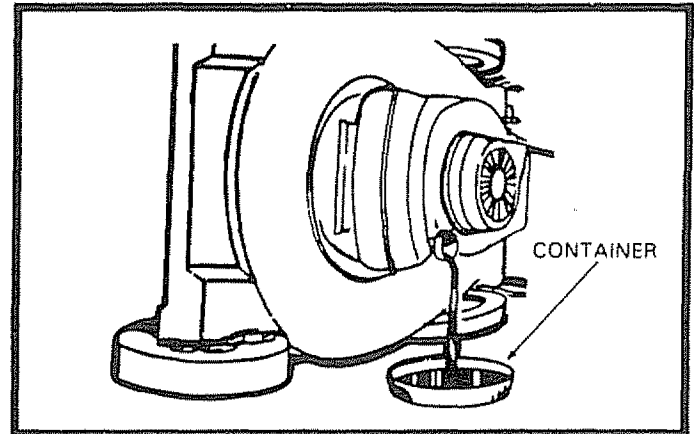


FIG. 10

MAINTENANCE

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. Do not wash air filter.

TO CHANGE AIR FILTER:

- Remove the air filter cover by turning counter-clockwise to the stop and pull away from collar (See Fig. 11).
- Remove filter from inside of cover (See Fig. 11).
- 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 (See Fig. 11).

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



CAUTION: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG AND PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH SPARK PLUG.

- Turn mower on its side with carburetor up.
- Clean the underside of your mower by scraping to remove build-up of grass and trash.

NOTE: We recommend that you clean the underside of your mower after each use.

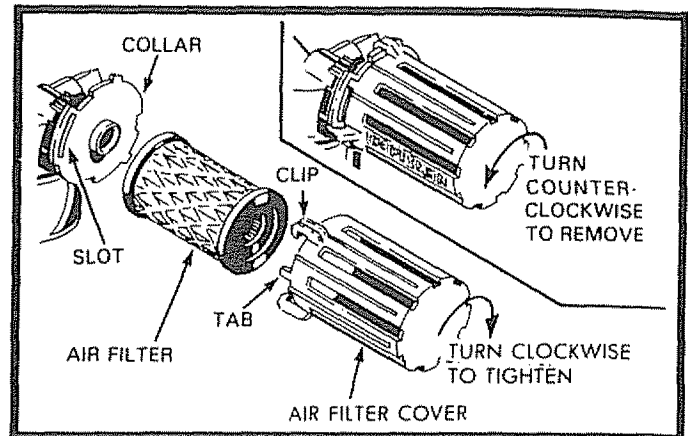


FIG. 11

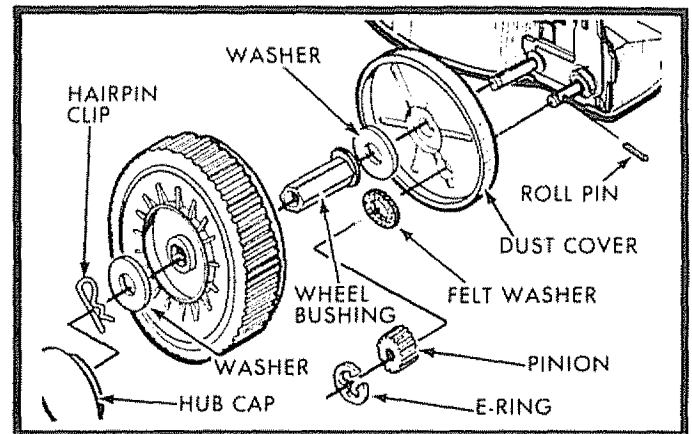


FIG. 12

- Clean your mower and engine often to keep build-up of trash from accumulating around engine. A clogged engine runs hotter and shortens engine life.

NOTE: We DO NOT recommend using a garden hose to clean mower unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in shortening engine life.

SERVICE AND ADJUSTMENTS

TO REMOVE/REPLACE DRIVE BELT



CAUTION: DISCONNECT SPARK PLUG WIRE FROM SPARK PLUG. PLACE WIRE WHERE IT CANNOT COME IN CONTACT WITH SPARK PLUG.

- Remove the drive cover by removing screw at rear of cover. Keep for reuse.
- Remove belt from drive pulley (See Fig. 13).
- Take off front hubcaps, (2) hairpin clips, (2) washers, two (2) front wheels and two (2) washers (See Fig. 12).
- Remove (2) e-rings, (2) pinions, (2) roll pins, (2) felt washers and (2) dust covers (See Fig. 12). When replacing belt, be sure that the roll pins are seated in the slot provided on the bearing and in the slot provided on back of the pinion.
- Take hairpin out of left side of drive shaft. While holding pulley slide shaft to the right until you can pull belt out of opening in housing (See Fig. 13). Keep hairpin for reuse.
- Pull belt free from pulley and take out of clutch frame (See Fig. 13).
- Reverse procedure to install new belt.
- When reinstalling the belt cover be sure the front hook is under the clutch frame (See Fig. 14). Reinstall screw in rear of cover.

NOTE: For belt routing see Fig. 14.

DRIVE BELT ADJUSTMENT

NOTE: A misadjusted belt will wear faster. Be sure to keep belt properly adjusted.

If the clutch lever has reached the top of the slot in the clutch frame and the belt is still loose, move pulley to upper hole in clutch frame (See Fig. 13) and repeat steps 1 through 4 above.

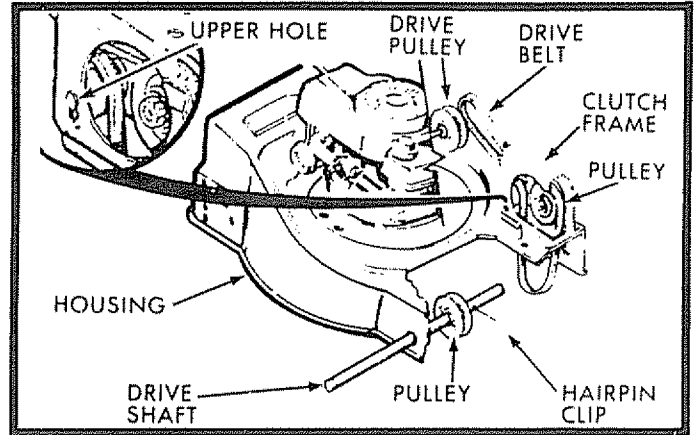


FIG. 13

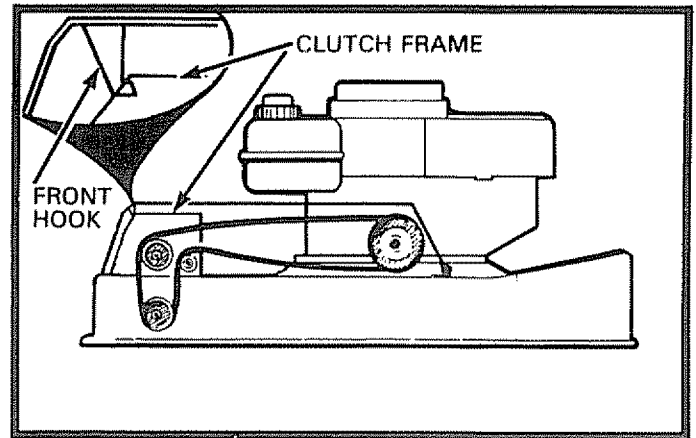


FIG. 14

CLEAN UNDER DRIVE COVER

Clean under drive cover 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

CARBURETOR

Your carburetor has a non-adjustable fixed main jet for mixture control. If your engine does not operate properly due to suspected carburetor problems, take your mower to an authorized Sears Service Center for repair and adjustment.

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 mower to an authorized Sears Service Center for repair and adjustment.

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 the rear of the mower into the operator mowing position.

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

TO ADJUST HANDLE

Your lawn mower handle can be mounted in a high or low position for your mowing comfort. Handles are shipped mounted in the high position.

- To change from high to low position, only the lower handle section will have to be turned over. (See Fig. 15.)
- Remove the upper handle section and all of the parts that are attached to the lower handle section. Remove all of the parts that hold the lower handle to the handle brackets (See Fig. 16).
- Turn the lower handle over and re-assemble all of the parts that were taken off. Re-assemble the upper handle (See Fig. 16).

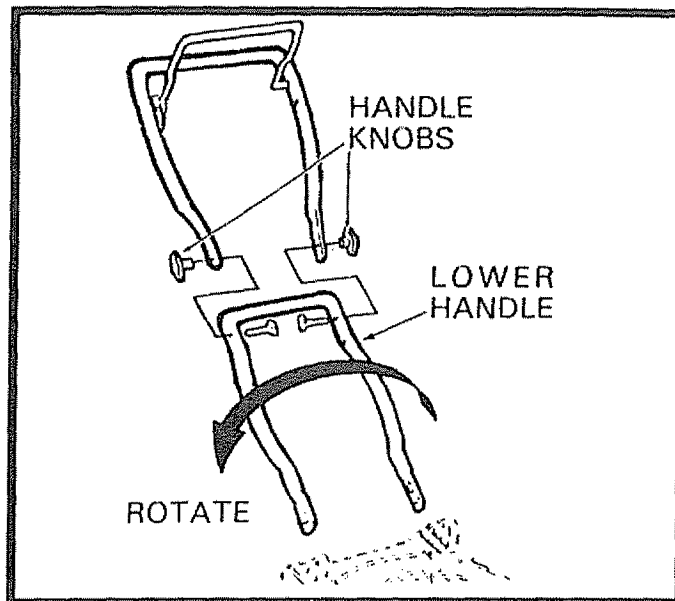


FIG. 15

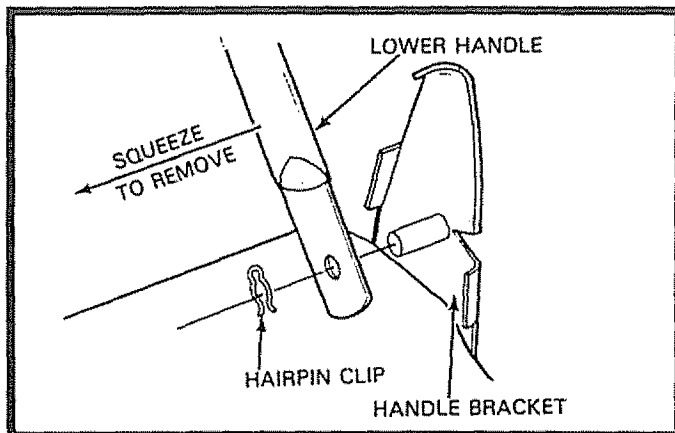


FIG. 16

STORAGE

Your mower and engine should be prepared for off season storage as follows:

MOWER

- Clean underside of mower housing. (See "Cleaning" in Maintenance section of manual).
- Inspect and replace/sharpen blade, if required (see "Blade/Blade Flange Care" in Maintenance section of manual).
- Hose grass catcher off with water and let dry before storing.
- Lubricate as shown in Service Recommendation Chart on page 16 of manual.

HANDLE

- You can fold your mower handle for storage as shown in Fig. 17.
- To fold, squeeze the bottom ends of the lower handle toward each other until the lower handle clears the handle bracket, then move handle forward (See Fig. 18).

IMPORTANT: WHEN FOLDING THE HANDLE FOR STORAGE OR TRANSPORTATION, BE SURE TO FOLD THE HANDLE AS SHOWN IN FIG. 17. IF YOU FOLD THE UPPER HANDLE SECTION THE WRONG WAY, YOU MAY DAMAGE THE CONTROL CABLES.

ENGINE

- Change oil (see "TO CHANGE OIL" in maintenance section of manual).
- Drain fuel and run engine until fuel system is empty.

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS THE 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.

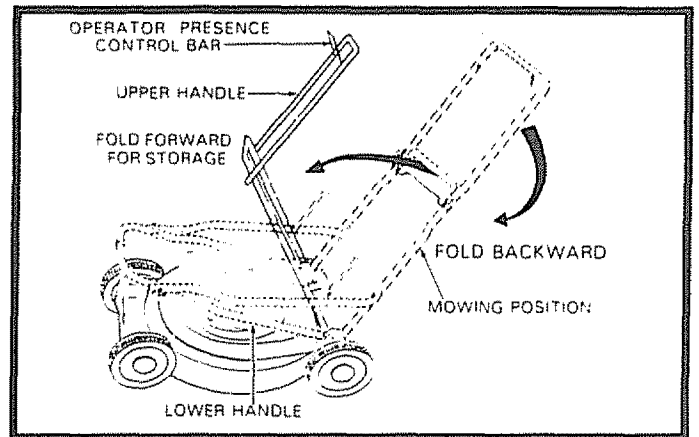


FIG. 17

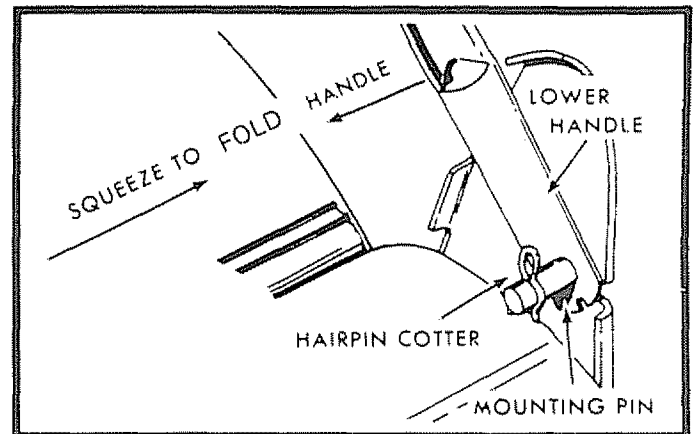


FIG. 18

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 can cause problems.
- Do not store your mower under any plastic cover. Plastic cannot breathe which allows condensation to form and can cause your mower to rust.
- When setting up your handle from the storage position, the lower handle will automatically lock into the mowing position.

SERVICE RECOMMENDATIONS

SERVICE RECORD Fill in dates as you complete regular service	SCHEDULE					SERVICE DATES		
	First 2 Hours	Every 10 Hours	Every 25 Hours	Every 50 Hours	Every Use			
Blades Sharpened		✓						
Blades Replaced			✓					
Engine Oil Change	✓			✓				
Engine Oil Check					✓			
Air Cleaner Replaced			✓					
Spark Plug Replaced			✓					
Lubricate Mower			✓					
Cleaning					✓			
Grass Catcher (if applicable)			✓					
Muffler			✓					
Belt & Pulley				✓				

✓ - CHECK

LUBRICATION CHART

① SAE 30W MOTOR OIL
(10W 30)

② SPRAY LUBRICANT

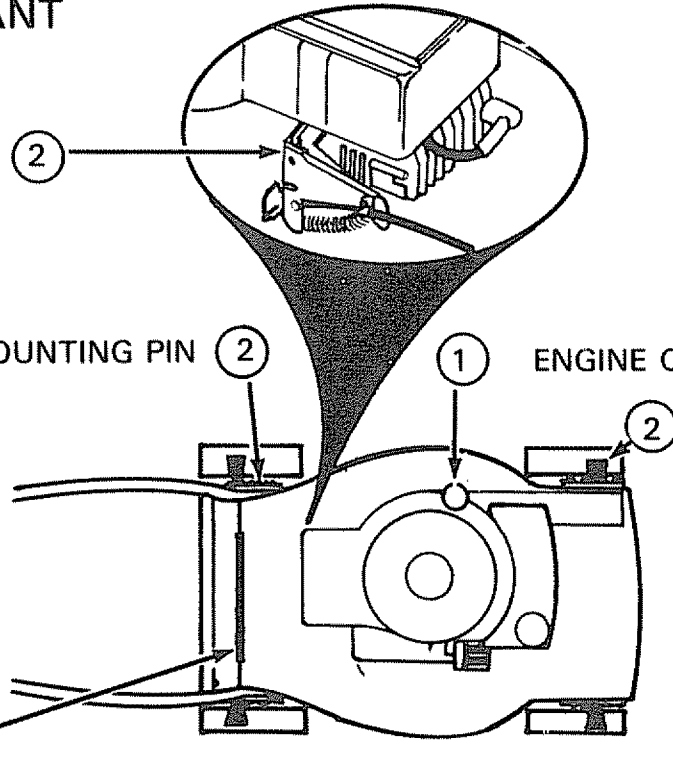
BRAKE SPRING BRACKET

HANDLE BRACKET MOUNTING PIN

ENGINE OIL

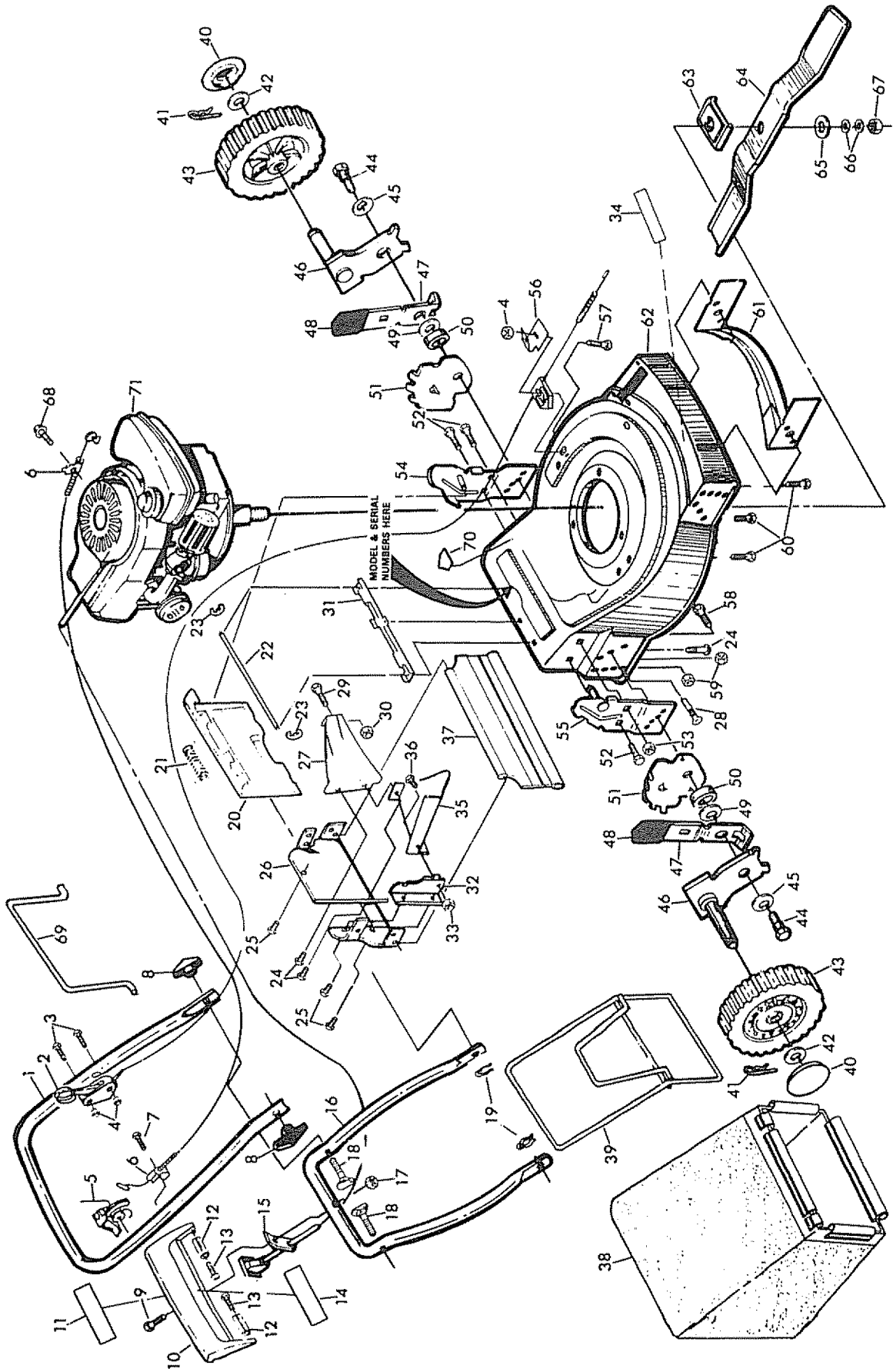
WHEEL ADJUSTER

REAR DOOR HINGE



TROUBLE SHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Does not Start	<ol style="list-style-type: none"> 1. Dirty Air Filter. 2. Out of gasoline. 3. Stale Gasoline. 4. Spark plug wire is disconnected from the spark plug. 5. Bad spark plug. 6. Water in gasoline. 7. Loose blade or broken blade flange. 8. Operator Presence Control Bar in released position. 9. Operator Presence Control Bar defective. 	<ol style="list-style-type: none"> 1. Replace Air Filter 2. Fill gasoline tank. 3. Drain gas tank and refill with fresh gasoline. 4. Connect wire to spark plug. 5. Replace spark plug. 6. Drain tank and refill with fresh, clean gasoline. 7. Tighten blade nut and/or replace blade flange. 8. Depress Operator Presence Control Bar 9. Replace Operator Presence Control Bar
Loss of Power	<ol style="list-style-type: none"> 1. Rear of mower housing/blade dragging in heavy grass. 2. Cutting too much grass. 3. Dirty air filter 4. Build-up of grass, leaves, and trash under mower housing. 5. Walking speed too fast. 6. Too much oil in engine. 	<ol style="list-style-type: none"> 1. Raise rear of mower housing one (1) setting higher than front. 2. Set in "Higher Cut" position. 3. Clean or replace air filter. 4. Disconnect spark plug wire and clean underside of mower housing 5. Cut at slower walking speed. 6. Check engine oil level.
Poor cut- Uneven	<ol style="list-style-type: none"> 1. Worn, bent or loose blade. 2. Wheel heights uneven. 3. Low engine speed. 4. Build-up of grass, leaves and trash under mower housing. 	<ol style="list-style-type: none"> 1. Replace blade. Tighten blade nut. 2. Set all wheels at same height. 3. Set engine speed selector on "HIGH" or "FAST". 4. Disconnect spark plug wire & clean underside of mower housing.
Too much Vibration	<ol style="list-style-type: none"> 1. Worn, bent or loose blade. 2. Loose blade. 3. Bent engine crankshaft. 	<ol style="list-style-type: none"> 1. Replace blade. 2. Tighten blade nut. 3. Contact Sears Service Department.
Starter Rope Hard to Pull	<ol style="list-style-type: none"> 1. Flywheel brake is on when Operator Presence Control Bar is released. 2. Bent engine crankshaft. 3. Blade flange sheared. 4. Blade dragging in grass. 	<ol style="list-style-type: none"> 1. Depress Operator Presence Control Bar to upper handle before pulling on starter rope. 2. Contact Sears Service Department. 3. Replace blade flange. 4. Get over low grass and/or hard surface to start engine.
Catcher Not Filling Completely	<ol style="list-style-type: none"> 1. Cutting height too low. 2. Lift on blade worn off. 3. Catcher bag dirty, poor air venting. 4. Low engine speed. 	<ol style="list-style-type: none"> 1. Raise cutting height. 2. Replace blade. 3. Clean/replace catcher bag. (If optional grass catcher is being used). 4. Set engine speed selector on "HIGH" or "FAST".
HARD TO PUSH	<ol style="list-style-type: none"> 1. High Grass or cutting height too low. 2. Rear of mower housing/blade dragging in heavy grass. 3. Grass catcher too full. 4. Handle height position not right for you. 	<ol style="list-style-type: none"> 1. Raise cutting height. 2. Raise rear of mower housing one (1) setting higher than front. 3. Empty grass catcher. 4. Adjust handle height to suit.



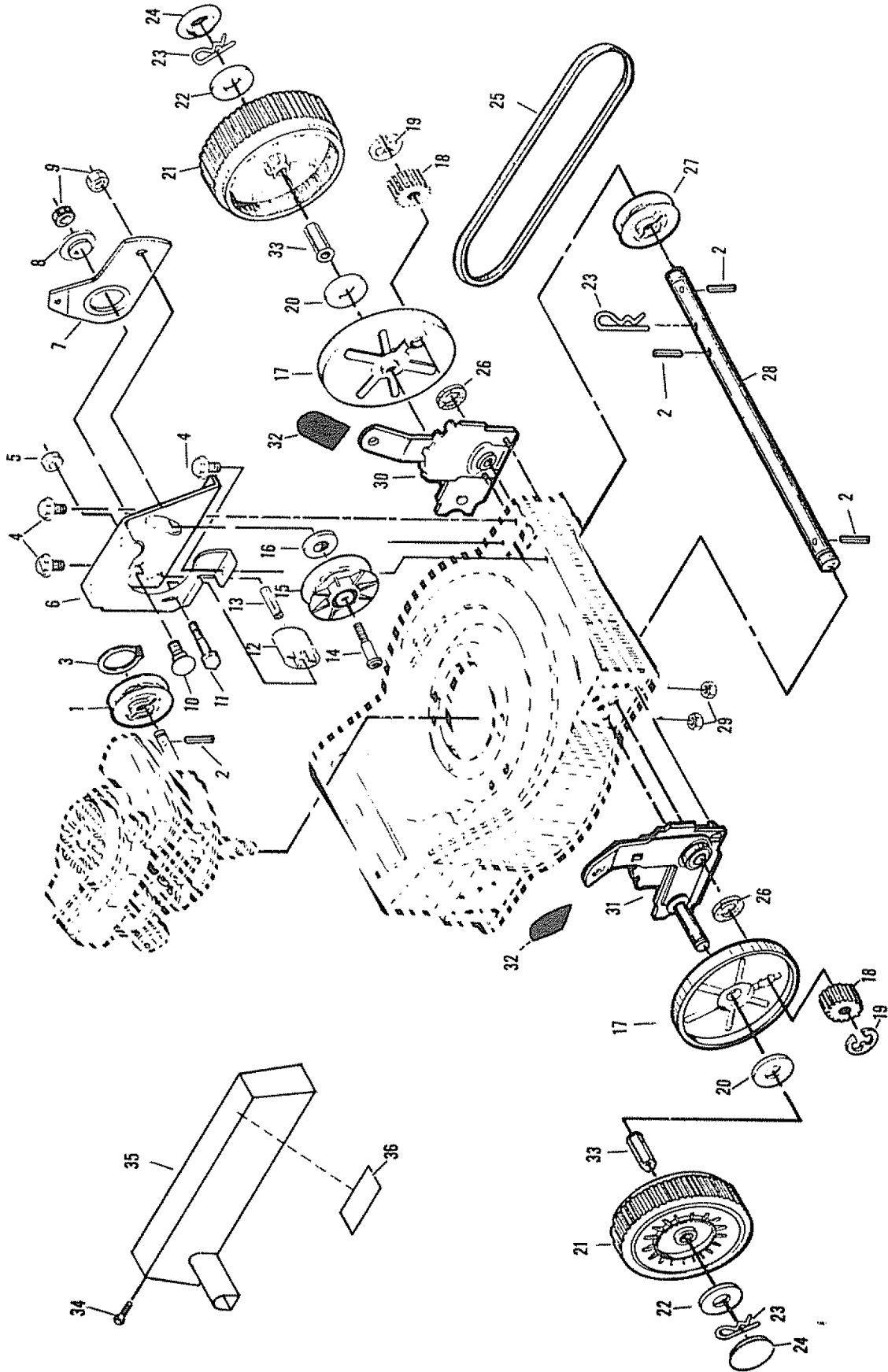
CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.372230

REPAIR PARTS

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	84086	Upper Handle	37	88887	Rear Chert
2	88887	Drive Control	38	88888	Grassbag Assembly
3	78186	Pan Head Machine Screw 10-24 x 2	39	88889	Catcher Frame Assembly
4	74189	Locknut 10-24	40	77400	Hubcap
5	86874	Zone Control Actuator	41	55015	Retainer Clip
6	85446	Cable Assembly	42	52160	Washer (Flat) 1/2
7	85768	Hex Thread Rolling Screw 10-24 x 3/4	43	88559	Wheel Assembly 9:00 x 2:00
8	63688	Handle Knob (Plastic)	44	84921	Shoulder Bolt 3/8-16
9	85436	Hex Head Machine Washer Screw 1/4-20 x 1 1/2	45	62335	Spring Washer 1/2
10	85424	Trim Plate	46	85022	Axle Arm Assembly (Rear)
11	87272	Instruction Decal	47	84888	Selector Spring (Rear)
12	85529	Nylon Bushing	48	87877	Lever Knob
13	85825	Tapping Screw #10-24 x 1	49	88348	Washer (Flat) 3/8
14	85425	Washer Decal	50	84920	Spacer
15	34372A	Bracket Rope Guide (See Engine Parts List) (Source 143)	51	89478	Wheel Adjusting Bracket
16	84683	Lower Handle	52	55187	Truss Head Cutting Screw 5/16-18
17	STD541425	Locknut (Washer Insert) 1/4-20	53	STD54131	Locknut (Washer Insert) 5/16-18
18	STD523117	Handle Bolt 5/16-18 x 1 3/4	54	86914	Handle Bracket Assembly Left
19	51793	Hairpin Cotter	55	86915	Handle Bracket Assembly Right
20	87760	Rear Door	56	88886	Bracket Cover
21	87145	Spring	57	57155	Machine Screw 10-24 x 5/8
22	87569	Hinge Rod	58	STD533107	Carriage Bolt 5/16-18 x 7/8
23	STD581031	E-Ring	59	74400	Locknut 3/8-16
24	STD512505	Hex Head Tapping Screw 1/4-20 x 1/2	60	68205	Hex Head Screw 5/16-18 x 7/8
25	81283	Self Tapping Screw 10-24 x 3/8	61	87588	Front Baffle
26	88884	Back Plate	62	48148	Housing 22"
27	87597	Rear Baffle	63	87712	Blade Adapter
28	STD512505	Hex Head Tapping Screw 1/4-20 x 1/2	64	69334	Blade 22"
29	STD511005	Truss Head Screw 10-24 x 1/2	65	69385	Washer
30	STD541410	Locknut 10-24	66	54867	Belleville Washer
31	87626	Hinge Bracket	67	51433	Locknut
32	87595	Side Baffle	68	83813	Hex Head Machine Screw 10-32 x 9/32
33	STD541410	Locknut 10-24	69	84089	Control Bail
34	88129	Housing Back Stop	70	85463	Danger Decal
35	88689	Discharge Baffle	71	88460	Engine Assembly 4.0 H.P. Model No. 143.394012
36	STD511005	Truss Head Screw 10-24 x 1/2		88568	Owners Manual

START BLOCK

750539



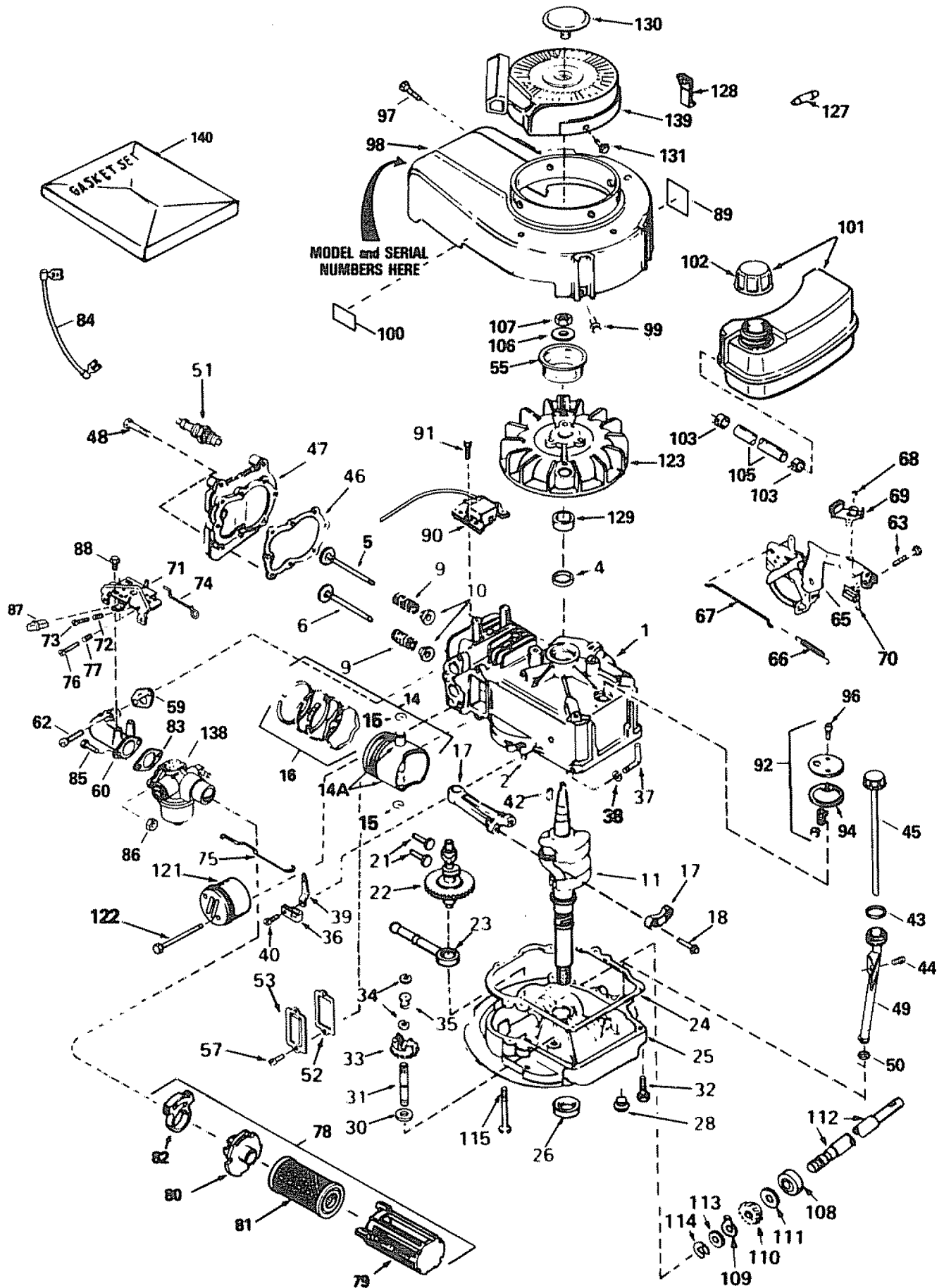
CRAFTSMAN 22" ROTARY LAWN MOWER MODEL NUMBER 917.372230

REPAIR PARTS

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	88043	Drive Pulley	18	750003	Pinion
2	88028	Roll Pin 3/16 x 7/8	19	STD581050	E-Ring
3	58334	Retaining Ring	20	67725	Washer 1/2 x 1-1/2 x 1/8
4	75919	Hex Head Bolt 1/4-20 x 3/8 Taptite	21	88558	Drive Wheel Assembly
5	STD541425	Hex Locknut 1/4-20	22	52160	Washer (Flat) 1/2
6	88553	Clutch Frame	23	55015	Retainer Clip
7	88066	Clutch Lever	24	77400	Hubcap
8	88067	Clutch Lever Spacer	25	88519	Drive Belt
9	780253	Locknut 5/16-18	26	88118	Felt Washer
10	72907	Carriage Bolt 5/16-18 x 1-3/8	27	88082	Drive Pulley
11	STD522515	Hex Head Bolt 1/4-20 x 1 1/2 Gr. 5	28	88564	Drive Shaft
12	88728	Idler	29	STD541425	Locknut 1/4-20
13	88970	Idler Spacer	30	88044	Selector Assembly (Left)
14	88997	Shoulder Bolt 5/16-18 x 1-3/8	31	88055	Selector Assembly (Right)
15	88916	Idler Pulley	32	87877	Lever Knob (Vinyl)
16	88089	Spacer	33	88446	Front Wheel Bushing
17	88080	Dust Shroud	34	86953	Self Tapping Screw 10 24 x 1.2
			15	88997	Drive Cover
			16	88997	Drive Cover Gasket

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.394012



CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.394012

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	34975	Cylinder Assy. (Incl Nos. 2, 4, 94 & 96)	66	34965	Spring, Extension
2	26727	Pin, Dowel	67	34966	Link, Control
4	32600	Seal, Oil	68	32309	Ring, Retaining
5	29314B	Valve, Intake (Std.) (Incl. No. 10)	69	34968	Lever, Brake
5	29315C	Valve, Intake (1/32" oversize) (Incl. No. 10)	70	610973	Terminal Assy.
6	29313C	Valve, Exhaust (Std.) (Incl. No. 10)	71	35727	Bracket Assy., Control (Incl Nos. 72, 73, 76 & 77)
6	29315C	Valve, Exhaust (1/32" oversize) (Incl. No. 10)	72	33802	Spring, Compression
9	31672	Spring, Valve	73	650777	Screw, Fil. hd., 6-32 x 21/32
10	31673	Cap, Lower valve spring	74	34337	Link, Governor spring
11	35666	Crankshaft	75	34336	Link, Governor-to-throttle
14	35544	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 14A, 15 & 16)	76	650549	Screw, Fil. hd., 5-40 x 7/16
14	35545	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 14A, 15 & 16)	77	31342	Spring, Compression
14	35546	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 14A, 15 & 16)	78	3331	Air Cleaner Kit (Incl. Nos. 79 thru 82)
14A	35541	Piston & Pin Assy. (Std.) (Incl. No. 15)	79	35065	Cover, Air cleaner
14A	35542	Piston & Pin Assy. (.010 oversize) (Incl. No. 15)	80	35067	Collar, Air cleaner
14A	35543	Piston & Pin Assy. (.020 oversize) (Incl. No. 15)	81	35066	Filter, Air cleaner
15	20381	Ring, Piston pin retaining	82	35068	Clamp, Air cleaner
16	35547	Ring Set, Piston (Std.)	83	*26756	Gasket, Carburetor
16	35548	Ring Set, Piston (.010 oversize)	84	34961	Wire, Ground
16	35549	Ring Set, Piston (.020 oversize)	85	6201	Screw, Hex hd., 1/4-28 x 7/8
17	30963B	Rod Assy., Connecting (Incl No. 18)	86	29752	Nut & Lockwasher, 1/4-28
18	32610A	Bolt, Connecting rod	87	32410	Knob, Control
21	27241	Lifter, Valve	88	30200	Screw, Hex washer hd. self-tap Sems, 10-24 x 9/16
22	33148A	Camshaft (Compression Release)	89	35167	Decal, Instruction
23	29914	Pump Assy., Oil	90	34443A	Solid State Assy
24	*35261	Gasket, Mounting flange	91	650814	Screw, Torx hex washer hd Sems, 10-24 x 1
25	33521C	Flange Assy., Mounting (Incl. Nos. 26, 28, 31, 49 & 108)	92	34215	Breather Assy. (Incl Nos 94 & 96)
26	26208	Seal, Oil	94	*32760A	Gasket, Breather
28	27244	Plug, Oil drain	96	30200	Screw, Hex washer hd self-tap. Sems, 10-24 x 9/16
30	35479	Washer, Flat	97	30200	Screw, Hex washer hd self-tap Sems, 10-24 x 9/16
31	30574	Shaft, Mechanical governor	98	35478	Housing, Blower
32	650488	Screw, Hex hd. Sems, 1/4-20 x 1-1/4	99	650831	Screw, Hex washer hd powerlok thr'd., 1/4-20 x 15/32
33	30591	Gear Assy., Governor (Incl No. 30)	100	35391	Decal, Instruction
34	29193	Ring, Retaining	101	35586	Tank Assy., Fuel (Incl Nos *102 & 103)
35	30588A	Spool, Governor	102	35355	Cap, Fuel tank
36	31335	Clamp, Governor lever	103	26460	Clamp, Fuel line
37	31513	Rod, Governor	105	34357	Line, Fuel
38	28277	Washer, Flat	106	650815	Washer, Belleville
39	31383A	Lever, Governor	107	650816	Nut, Flywheel
40	650548	Screw, Hex washer hd., 8-32 x 5/16	108	31744	Seal, Oil
42	611004	Key, Flywheel (Solid State)	109	31745	Washer, Tang
43	35499	"O" Ring	110	31746	Gear, Worm
44	650562	Screw, Hex washer hd shakeproof, 10-32 x 1/2	111	31747	Washer, Flat
45	35578	Dipstick, Oil fill	112	35667	Shaft, Power take-off
46	32643A	Gasket, Cylinder head	113	31787	Washer, Flat
47	34335	Head, Cylinder	114	31749	Ring, Retaining
48	6021A	Screw, Hex flange hd., 5/16-18 x 1-1/2	115	650492	Screw, Hex hd. Sems, 1/4-20 x 2-1/4
49	35577	Tube, Oil filler	121	27181B	Muffler (Incl. No. 122)
50	34265	Gasket, Fill tube	122	650795	Screw, Hex hd., 1/4-20 x 2-1/4
51	35395	Resistor Spark Plug (Champion R.J-19LM or equivalent)	123	611112	Flywheel
52	*27234A	Gasket, Valve spring cover	127	34985	Rope Stop & Staple Assy.
53	32755	Cover, Valve spring box	128	35168	Bracket Assy., Rope guide
55	35000	Hub, Starter	129	34080	Spacer, Flywheel key
57	650128	Screw, Hex hd. Sems, 10-24 x 1/2	130	35392	Plug, Starter
59	*34690A	Gasket, Intake	131	650884	Screw, Hex washer hd., 8-32 x 1/2
60	31384A	Pipe, Intake (Incl. No. 59)	138	632388	Carburetor (Incl. No. 83)
62	650451	Screw, Hex hd. Sems, 1/4-20 x 1	139	590621	Starter, Rewind
63	650839	Screw, Hex hd. self tap Sems, 1/4-20 x 7/16	140	33238D	Gasket Set (Incl. items marked *)
65	35015A	Bracket Assy., Brake			RPM Speed Settings: Low, 2050; High, 3000.

*Indicates Parts Included in Gasket Set, Ref. No. 140.

CARBURETOR NO. 632388

Ref. No.	Part No.	Part Name
	632388	Carburetor
1	631615	Shaft & Lever Assy., Throttle
3	631616	Shutter, Throttle
4	650506	Screw, Throttle shutter
5	631767	Spring, Throttle return
6	631971	Seal, Dust
7	631184	Washer, Flat
9	632047	Primer Assy.
11	631027	Plug, Welch
12	631021	Inlet Needle, Seat & Clip Assy. (Incl. No. 13)
13	631022	Clip, Inlet needle
14	632019	Float, Carburetor
15	631024	Shaft, Float
16	631700	Bowl, Float
21	631334	Gasket, Bowl-to-body
22	631935	Nut, Float bowl
25	631028	Gasket, Bowl-to-body
26	631775	Fitting, Fuel inlet

REWIND STARTER NO. 590621

Ref. No.	Part No.	Part Name
	590621	Starter, Rewind
1	590599A	Pin, Spring (Incl. No. 4)
2	590600	Washer
3	590615	Retainer
4	590601	Washer
5	590598	Spring, Brake
6	590616	Dog, Starter
7	590617	Spring, Dog
8	590618	Pulley
9	590619	Spring, Rewind
10	590620	Cover, Spring
11	590622	Housing Assy., Starter
12	590535	Rope, Starter (Length 98" & 9/64" dia.)
13	590452	Handle, Starter

NOTES

SEARS

OWNER'S MANUAL

MODEL NO. 917.372230

HOW TO ORDER REPAIR PARTS

CRAFTSMAN[®]

4.0 RESERVE POWER 22" REAR BAGGER 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 mower housing.

The model number for the engine will be found on the Blower Housing of the engine adjacent to the spark plug.

All parts listed herein may be ordered through Sears, Roebuck and Co. Service Centers and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- * PRODUCT - "ROTARY LAWN MOWER"
- * MODEL NUMBER - 917.372230
- * ENGINE MODEL NO. - 143.394012
- * PART NUMBER
- * PART DESCRIPTION

Your Sears merchandise has added value when you consider that Sears has service units nationwide staffed with Sears trained technicians...professional technicians specifically trained on Sears products, having the parts, tools and the equipment to insure that we meet our pledge to you, we service what we sell.

SEARS, ROEBUCK AND CO., Chicago, IL. 60684 U.S.A.