

**OWNER'S  
MANUAL  
MODEL NO.  
917.372260**

**SEARS**  
**CRAFTSMAN<sup>®</sup>**



**4.0 RESERVE POWER  
22" POWER-PROPELLED  
LAWN MOWER**

THIS MOWER COMPLIES WITH CPSC REGULATIONS EFFECTIVE JUNE 30, 1982. TO START THE ENGINE IT IS NECESSARY TO DEPRESS THE CONTROL BAR WHEN STANDING BEHIND THE MOWER, BEFORE PULLING ON THE STARTER ROPE. FOR FURTHER STARTING DETAILS SEE PAGE 8 OF THIS MANUAL.

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**SEARS, ROEBUCK AND CO., CHICAGO, IL 60684 U.S.A.**

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# CRAFTSMAN quality LAWN CARE equipment

## TWO YEAR LIMITED WARRANTY ON CRAFTSMAN POWER MOWER

For two years from the date of purchase, when this Craftsman power 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 power 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 SERVICE CENTER/DEPARTMENT 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

## MAINTENANCE AGREEMENT

A SEARS MAINTENANCE AGREEMENT IS AVAILABLE ON THIS PRODUCT. CONTACT YOUR NEAREST SEARS STORE FOR DETAILS.

## CUSTOMERS RESPONSIBILITIES

Read and observe the rules for safe use. Always use care when using your lawn mower. Keep away from moving parts.

DO NOT work on your lawn mower with engine running. Always keep your mower clean.

Follow a regular schedule in maintaining, caring for and using your lawn mower. A well cared for mower will run and last longer.

Follow the instructions under "Maintenance" and "Storage" sections of this Owner's Manual.

Blade, blade flange, air cleaner/air filter, spark plug are expendable parts which are your responsibility.

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# KNOW YOUR CRAFTSMAN® MOWER

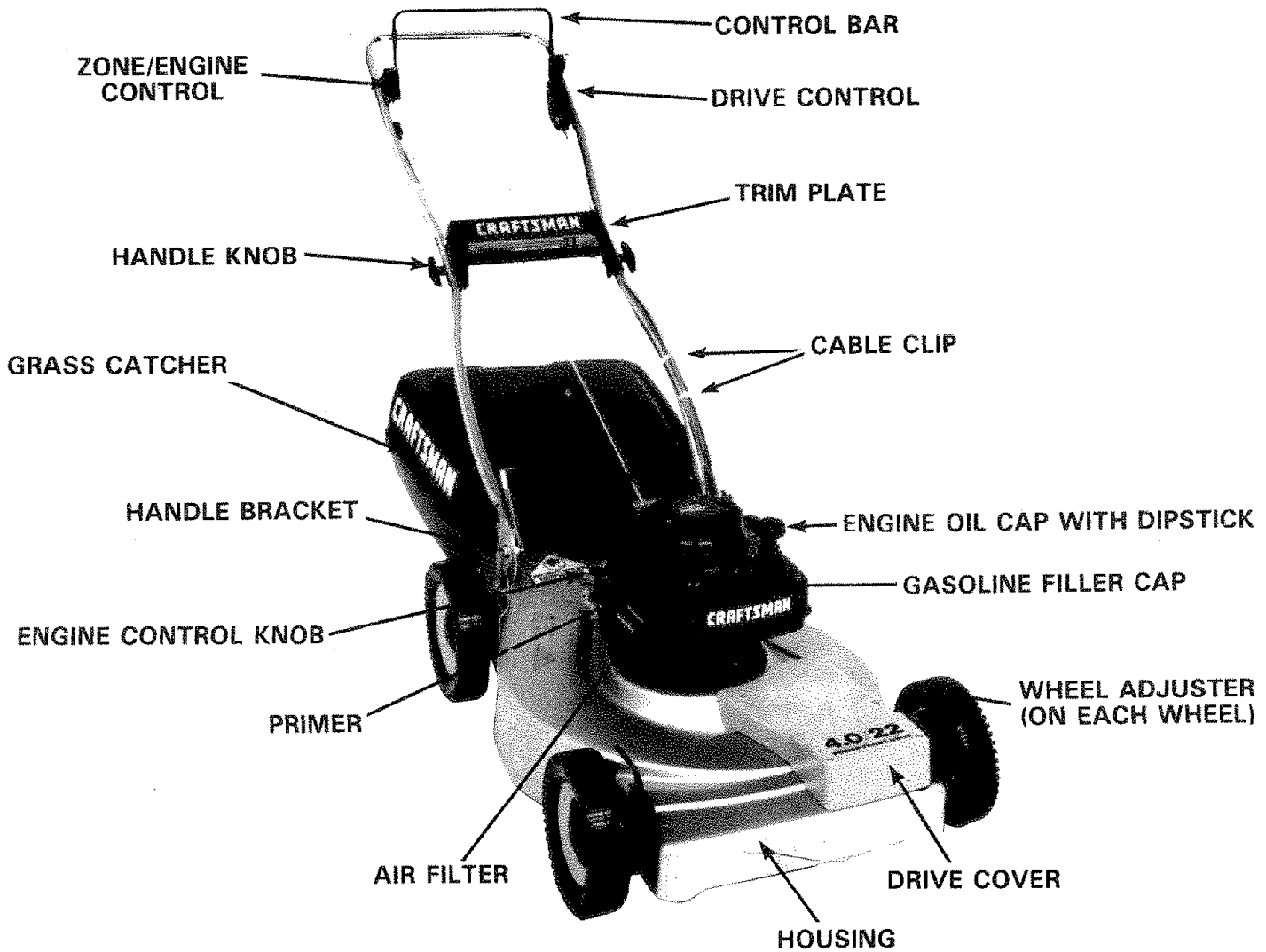


FIG. 1

## MEETS CPSC BLADE SAFETY REQUIREMENTS

SPECIFICATIONS	TOOLS REQUIRED
<p><b>Oil:</b> Use SAE 30W motor oil. SAE 10W30 motor oil can also be used.</p> <p><b>Gasoline:</b> Use unleaded automotive gasoline. Regular automotive gasoline can also be used. <b>DO NOT</b> use premium gasoline.</p>	<p><b>FOR CATCHER ASSEMBLY</b> 7/16" wrench or adjustable wrench. Medium phillips screwdriver.</p> <p><b>FOR BLADE REMOVAL</b> Standard 15/16" box or open end wrench</p>

Jears Rotary Walk-Behind Power Mowers conform to the safety standards of the American National Standards Institute, Outdoor Power Equipment Institute, and U.S. Consumer Product Safety Commission, as applicable.

## RULES FOR SAFE USE



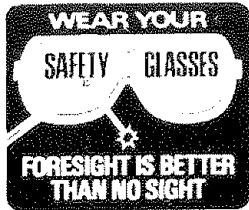
**CAUTION: ALWAYS DISCONNECT SPARK PLUG WIRE AND PLACE WIRE WHERE IT CANNOT CONTACT SPARK PLUG TO PREVENT ACCIDENTAL STARTING WHEN SETTING-UP, TRANSPORTING, ADJUSTING OR MAKING REPAIRS TO YOUR MOWER.**



### IMPORTANT

**FEDERAL REGULATIONS REQUIRE THE ENGINE CONTROL INSTALLED ON THIS MOWER IN ORDER TO MINIMIZE THE RISK OF BLADE CONTACT INJURY. DO NOT UNDER ANY CIRCUMSTANCE ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR CONTROL.**

1. Please read your owner's manual. Only allow persons who know the safety rules to use your mower.
2. DO NOT tie the control bar to the handle. Control must be free to permit brake engagement when handles and control are released.
3. DO NOT allow children to use your mower.
4. Check your mower over before each time you mow. Tighten any loose bolts, nuts, etc.
5. Remove all sticks, stones, wires, cans, boards, etc. from area to be mowed. These objects can be thrown by the blade.
6. DO NOT allow children, bystanders, or pets in the mowing area.
7. BE CAREFUL - WHEN THE ENGINE IS RUNNING THE BLADE IS TURNING.
8. Always shut off engine before trying to adjust wheel heights.
9. When engine is running, DO NOT put hands or feet under mower or in the discharge chute, nor make any adjustments.
10. Stay clear of discharge opening at all times.
11. Check gasoline before each use. 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.
12. Mow only in good light.
13. Wear only solid shoes when mowing. DO NOT operate mower when barefoot, or wearing open sandals.
14. Disengage drive control on power propelled mowers before starting engine.
15. DO NOT use a damaged mower. Always have damage repaired before mowing.
16. Always stop engine when not cutting grass or when crossing gravel drive, sidewalk, or roadway.
17. Never pull mower towards you, always follow mower to cut grass.
18. Never use your mower without proper guards or deflectors in place.
19. Always mow across a slope or inclined area. DO NOT mow up or down a slope or inclined area.
20. DO NOT mow in wet grass. DO NOT run with the mower.
21. DO NOT run your mower indoors. Exhaust gases are deadly poison.
22. DRAIN THE GASOLINE tank before transporting your mower inside your car or other vehicle.
23. DO NOT run your mower if it vibrates too much. Stop engine and make repairs. Vibration is an indication of damage.
24. DO NOT change the engine governor settings to over-speed the engine--damage or injury can result.
25. If a grass catcher is used on your mower, check the catcher often for damage or deterioration. Through normal use it will wear. Use only recommended replacement catcher. Always stop engine to remove catcher.
26. DO NOT store your mower or gasoline where fumes may reach an open flame and cause a fire.
27. Always wear safety glasses or eye shields before starting your lawn mower and while mowing.



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 before starting your lawn mower and while mowing. We recommend Wide Vision Safety Mask for over the spectacles or standard safety glasses, available at Sears Retail or Catalog Stores.

## ACCESSORIES TO HELP YOU GET THE MOST FROM YOUR MOWER

- MOWER COVER:** Sears Tyvek® cover, stock number 71 33316, protects mower from weather when stored outdoors. Available through Sears catalog.
- GAS CAN:** A new gas can keeps rust and dirt out of fuel system for longer engine life and improved performance. Craftsman gas cans have built in filters to keep impurities out of your engine and are available in Permanex® polyethylene with lifetime warranty and strong terneplate steel.
- DIPPING DEFLECTOR:** Converts rear bagging mowers to side discharge to disperse safely and evenly, stock number 71 33303 available in most retail stores, through catalog, Sears Central Service and parts desks.
- HIGH WHEEL KIT:** A pair of 12-inch rear wheels improves handling on soft, spongy lawns and uneven terrain. NOTE: the 71 33721 High Wheel Kit is purchased as an accessory, the cutting height range will be reduced to five (5) different positions; from 1 1/2" to 3 1/2". Available through catalog and Sears Central Service and Parts desks.
- THESE ACCESSORIES WERE AVAILABLE AT MOST SEARS STORES AND THROUGH THE CATALOG AT THE TIME THIS MANUAL WAS PRINTED.

## IMPORTANT TIPS TO HELP YOUR LAWN MOWER START FASTER, RUN AND PERFORM BETTER

1. **USE UNLEADED GASOLINE:** It burns cleaner and leaves less residue in the engine. Regular gasoline can also be used. DO NOT use PREMIUM GASOLINE.
2. **DRAIN OR RUN-OUT ALL GASOLINE FROM TANK AT THE END OF THE SEASON:** DO NOT leave gasoline in your mower when stored for long periods. It will "GUM" your engine. Run engine until the gasoline runs out.
3. **START EACH MOWING SEASON WITH FRESH GASOLINE:** DO NOT keep gasoline in your can. If your gasoline can is starting to rust, replace can.
4. **CHANGE YOUR SPARK PLUG EVERY SPRING:** An old corroded spark plug prevents fast starting and smooth running engine.
5. **REPLACE YOUR AIR CLEANER OR FILTER OFTEN:** Dirt, along with heat can harm your engine, the cleaner or filter will clog up, preventing clean air from reaching your engine. See "Air Cleaner/Filter" section of this manual for replacing air cleaner or filter.
6. **USE SAE 30W OIL:** DO NOT use SAE 10W40 oil.
7. **CHANGE OIL AS RECOMMENDED: IMPORTANT** - change oil after the first two (2) hours of use, then every 25 hours of use.
8. **REPLACE THE BLADE WHEN NEEDED:** You can sharpen the blade, but we do not recommend it. Erosion from hitting foreign objects can damage the blade. Replace blade with one specifically designed for your mower.
9. **AT THE END OF THE SEASON, CLEAN YOUR MOWER: IMPORTANT** - first disconnect the spark plug wire. If possible, store your mower in a well ventilated area and protected from moisture.
0. **FOLLOW THE MAINTENANCE SUGGESTIONS IN YOUR OWNERS MANUAL:** Read your manual and keep it in a convenient place for easy reference.

Your lawn mower has been completely assembled at the factory, except for the grass catcher. To set-up and attach grass catcher, follow the steps under "GRASS CATCHER".

The following parts are included not assembled:

- 1 Grass Catcher Top Assembly
- 1 Grass Catcher Bottom
- 1 Hardware Package

## HOW TO SET-UP YOUR MOWER

### TO UNFOLD HANDLE

1. Raise handles until the lower handle is in upright position (See Fig. 2).
- NOTE: The lower handle automatically locks into the upright storage position when raised from shipping position.
2. Raise the upper handle into position on the lower handle and tighten the two (2) handle knobs.
  3. The handle can be mounted in high or low position to suit the comfort of the user. The handles are shipped mounted in the high position.
  4. If the handle feels too high for you:
    - a. Remove the (2) screws, (2) bushings, (1) bolt and locknut holding the trim plate and rope guide to lower handle. Keep for re-assembly (See Fig. 4).
    - b. Remove the handle knobs and bolts from upper and lower handle.
    - c. Remove the springs from mounting pins (See Fig. 3).
    - d. Remove locknuts and bolts from handle brackets and remove handle levers (See Fig. 3).
    - e. Turn handle over, position handle levers in place (See Fig. 4).
    - f. Reinstall bolts and locknuts (See Fig. 3).
    - g. Put springs back on mounting pins (See Fig. 3).
    - h. Put upper handle on lower handle using handle bolts and knobs previously removed.
    - i. Put trim plate and rope guide back on lower handle, removed in (a) above. Tighten the (2) screws, (2) bushings, (1) bolt, tighten (2) screws and (1) locknut (See Fig. 4).
    - j. Snap cable clip over cable and lower handle (See Fig. 1).
  5. Press the handle levers and the handle will automatically lock into mowing position.
  6. To fold handle for storage, press the handle levers and move handle forward (Fig. 3).

**CAUTION:** WHEN FOLDING HANDLE FOR TRANSPORTING OR STORAGE, BE SURE TO FOLD HANDLE AS SHOWN IN FIG. 5. IF YOU FOLD HANDLE THE WRONG WAY, YOU MAY BEND THE CONTROL CABLES.

### TO ADJUST HEIGHT OF CUT

NOTE: The wheels are set in a low cut position for shipment, and should be adjusted for the cutting height desired before use. NOTICE: Lowering wheels raises the height of cut.

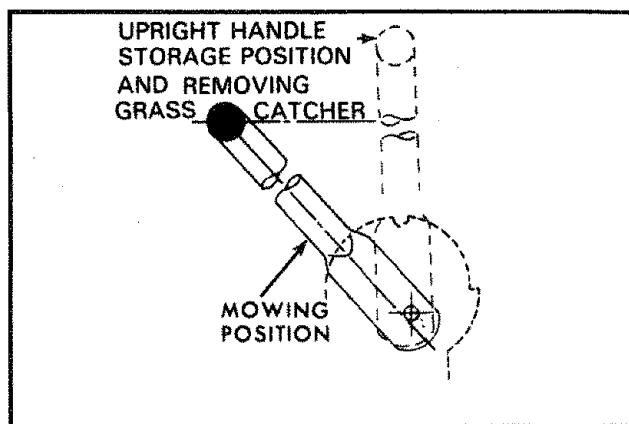


FIG. 2

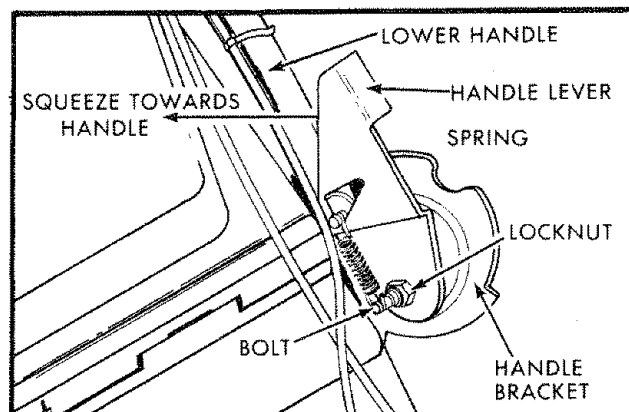


FIG. 3

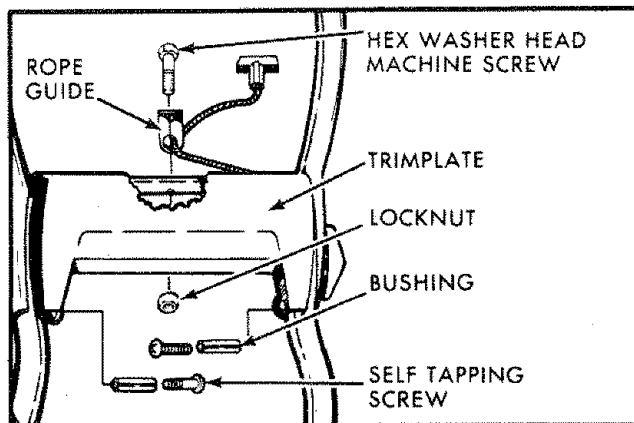


FIG. 4

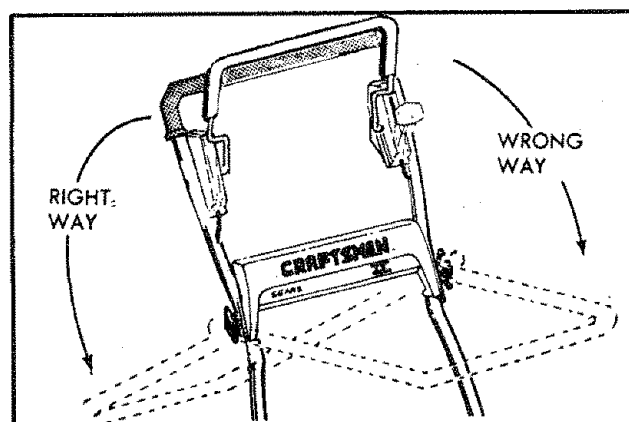


FIG. 5

## HOW TO SET-UP YOUR MOWER (CONT'D)

### TO ADJUST HEIGHT OF CUT (CONT'D)

**CAUTION:** DO NOT change the height of cut with the engine running.

1. The wheel adjusters give you five (5) different cutting positions. Medium cut is the best for most lawns.
2. High cut is approximately 3 3/8", medium cut is approximately 2 5/8" and low cut is approximately 1 1/8". There are two (2) other positions. Pick the position which suits you for best cutting (See Fig. 6).
3. The wheel adjusters on your lawn mower can be easily adjusted as shown in Fig. 7. To change the height of cut, squeeze adjuster lever toward the wheel, moving up or down to selected height. Be sure all wheels are in the same setting (See Fig. 6).
4. When cutting in heavy or moist grass, the rear of the lawn mower may be raised one setting higher (by lowering the wheels one setting) to allow better discharge of the grass. This will also make the unit push or propel easier because it will reduce the drag of the rear of the mower on the grass. This will not harm the cutting performance.

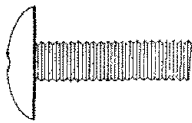
### REAR DEFLECTOR

The rear deflector, attached between the rear wheels of your lawn mower, was assembled at the factory and requires no assembly.

### TO ASSEMBLE GRASS CATCHER

**NOTE:** The grass catcher for your mower is supplied unassembled. To assemble your grass catcher follow steps below.

SCREW ACTUAL SIZE



1/4-20 x 3/4" SCREW

1. Position top half of catcher on the bottom half (See Fig. 8).
2. Insert 1/4-20 x 3/4 truss head screw through right front hole of catcher; install 1/4 nut on screw and leave loose (See Fig. 8).
3. Insert a 1/4-20 x 3/4 screw through left front hole of catcher; install 1/4 nut on screw and leave loose.
4. Tighten screws installed in steps 2 & 3. Use a medium phillips screwdriver to tighten the screws while holding the locknuts with adjustable or 7/16" wrench.
5. Install six more 1/4-20 x 3/4 screws, proceeding around the catcher; leave locknuts loose.
6. Use a medium phillips screwdriver to tighten the remaining screws while holding the locknuts with adjustable or 7/16" wrench.

**NOTE:** Check all screws and nuts to be sure they are tight.

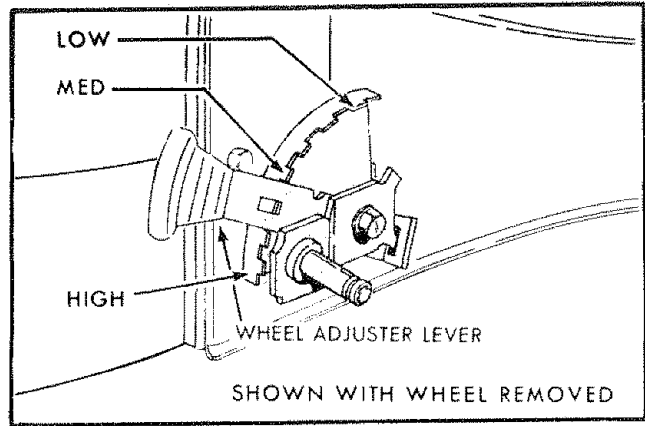


FIG. 6

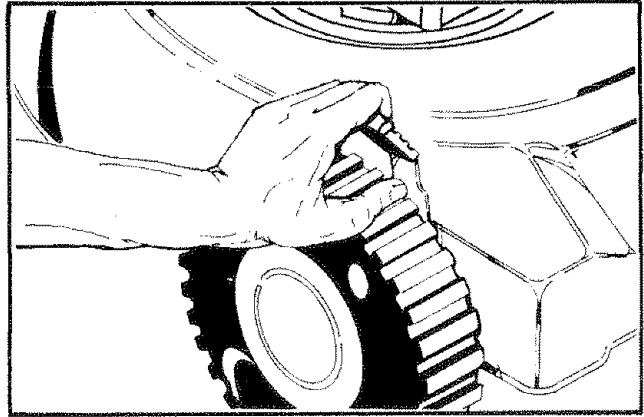


FIG. 7

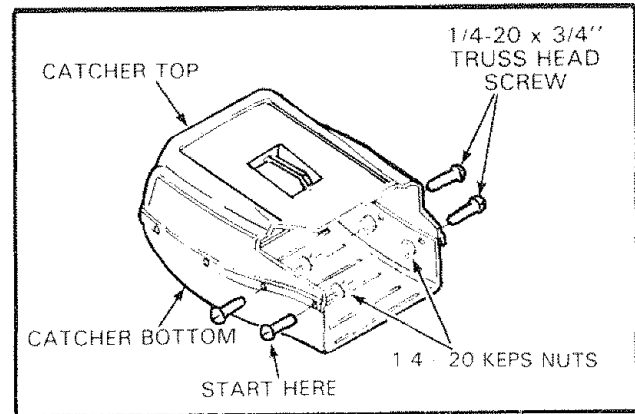


FIG. 8

## HOW TO SET-UP YOUR MOWER (CONT'D)

### TO ATTACH GRASS CATCHER

1. Lift rear door.
2. Holding the catcher by the handle, place catcher frame onto hinge bracket (Fig. 9).
3. Release rear door.
4. When grass catcher is removed from the mower, the rear door closes for safety.

**NOTE: YOUR REAR BAGGER MOWER IS NOT A MULCHING MOWER. DO NOT OPERATE YOUR MOWER WITHOUT AN APPROVED GRASS CATCHER OR OPTIONAL CLIPPING DEFLECTOR IN PLACE.**

**NEVER ATTEMPT TO OPERATE THE MOWER WITH THE DOOR REMOVED OR PROPPED OPEN.**

### TO EMPTY GRASS CATCHER

1. Lift grass catcher, by grasping the handle on top of grass catcher and on the rear of catcher (See Fig. 10).
2. To empty the grass clippings, shake the catcher, with the open end over or into suitable container for disposal (See Fig. 10).

### BEFORE STARTING ENGINE

1. Remove engine oil cap with dipstick and fill to the "FULL" line on the dipstick, using about 1 pint of Sears 30W oil or equivalent. SAE 30W oil can also be used (See Fig. 11). DO NOT use SAE 10W40 oil.

The total oil capacity of your engine is 21 oz. Fill only to the "FULL" line on the dipstick. DO NOT over fill. The first fill on a new engine use about 1 pint. Check oil level and add as required to bring to proper level.

2. Pour oil slowly, DO NOT over fill.

**NOTE:** On a new engine some oil may be left in the engine, as each engine is run for operational checks before shipping.

3. AFTER THE FIRST TWO (2) HOURS OF MOWING CHANGE THE OIL. See "To Change Oil" section under maintenance.

Use only oil with automotive classifications SF, SE, SD or SC markings on oil container.

**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.

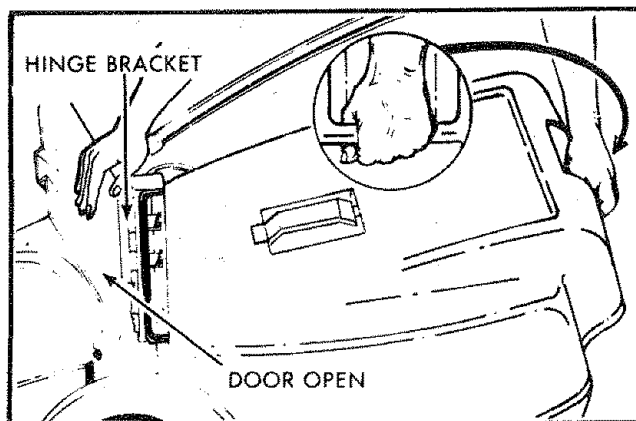


FIG. 9

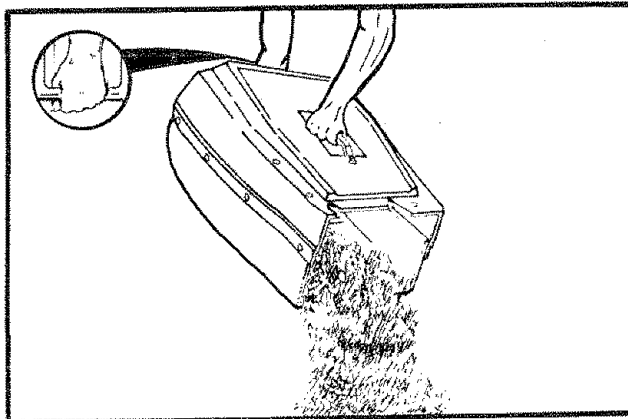


FIG. 10

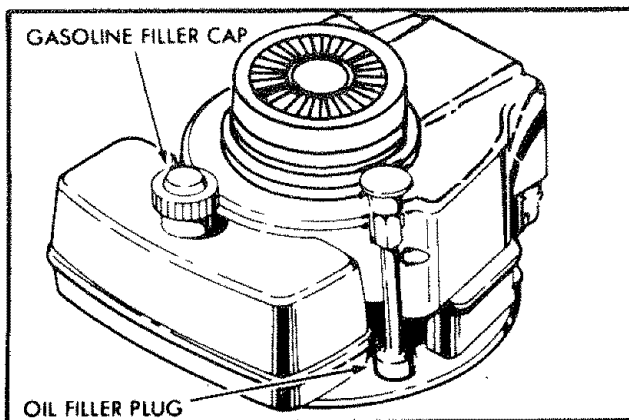


FIG. 11

4. Fill the gasoline tank with about one (1) quart of fresh, clean unleaded automotive gasoline. Regular leaded gasoline can also be used (See Fig. 11). DO NOT use old or stale gasoline which has been kept from one season to another; starting problems can result.

**BE SURE YOUR GASOLINE CAN IS CLEAN AND FREE OF RUST AND DIRT. REPLACE YOUR CAN IF IT HAS STARTED TO RUST.**



# HOW TO USE YOUR MOWER

## IMPORTANT

### ENGINE CONTROL

**CAUTION: THE BLADE TURNS WHEN THE ENGINE IS RUNNING.**

YOUR MOWER IS EQUIPPED WITH AN OPERATOR ZONE ENGINE CONTROL WHICH REQUIRES THE OPERATOR TO BE POSITIONED BEHIND THE MOWER HANDLE TO START AND OPERATE THE MOWER.

THE CONTROL BAR MUST BE DEPRESSED TO THE HANDLE TO START AND RUN THE ENGINE, RELEASING THE CONTROL BAR WILL STOP THE ENGINE. AN INTERNAL ENGINE BRAKE ASSISTS THE BLADE IN STOPPING QUICKLY.

WHEN THE OPERATOR LEAVES THE NORMAL MOWING POSITION TO REMOVE THE GRASS CATCHER, CHANGE THE CUTTING HEIGHT, PICK UP STICKS OR OTHER OBJECTS IN THE MOWING PATH, THE ENGINE WILL AUTOMATICALLY STOP WHEN THE CONTROL BAR IS RELEASED.

**CAUTION: FEDERAL REGULATIONS REQUIRE THE ENGINE CONTROL INSTALLED ON THIS MOWER IN ORDER TO MINIMIZE THE RISK OF BLADE CONTACT INJURY. DO NOT UNDER ANY CIRCUMSTANCE ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR CONTROL.**

### ENGINE CONTROL

The engine speed is controlled by a lever (red knob) located on right side of engine. It has "HIGH" and "LOW" positions. "HIGH" position is for starting engine, heavy cutting and better grass bagging. "LOW" position is for light cutting, trimming and fuel economy (See Fig. 12).

### TO START ENGINE

THE CONTROL BAR MUST BE DEPRESSED TO THE HANDLE TO START AND RUN THE ENGINE.

**NOTE:** The carburetor has a fixed fuel mixture and has a primer to assist starting.

1. Check oil level; check gasoline tank for gasoline; and make sure spark plug wire is attached.
2. Push lever forward to "HIGH" position (See Fig. 12).
3. When starting a cold engine, push the primer five (5) times before pulling starter rope. Use firm pushes when pushing primer, wait several seconds between each push (See Fig. 12).
4. Repeat step 3 above as required.

**NOTE:** In cooler weather the need to repeat priming procedures may be necessary, when weather is warmer over priming may result in flooding.

If you do flood engine wait a few minutes before repeating priming procedures.

It is not necessary to use the primer to start warm engine.

5. Position yourself as shown in Fig. 15.
6. Pull on starter handle quickly.
7. DO NOT allow starter rope to snap back.
8. To stop the engine, release the control bar (See Fig. 14).

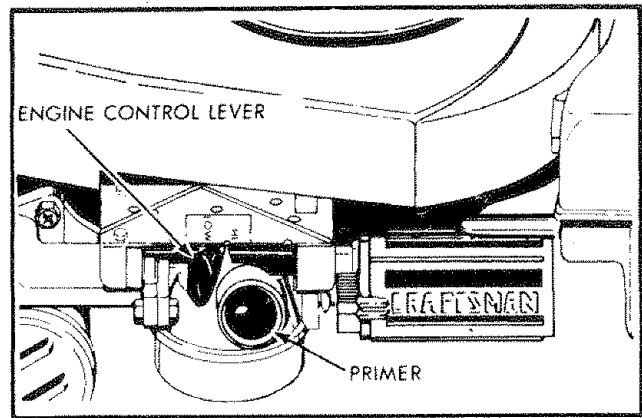


FIG. 12

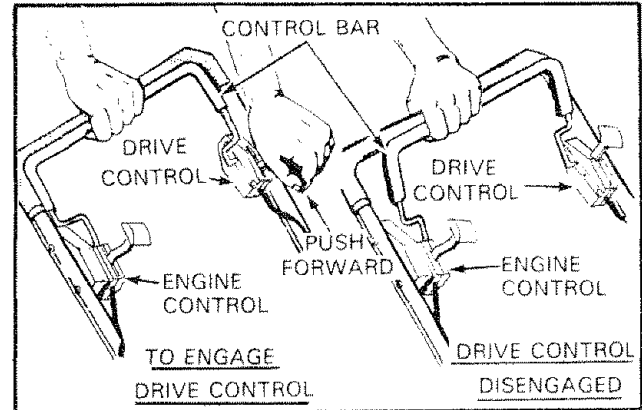


FIG. 13

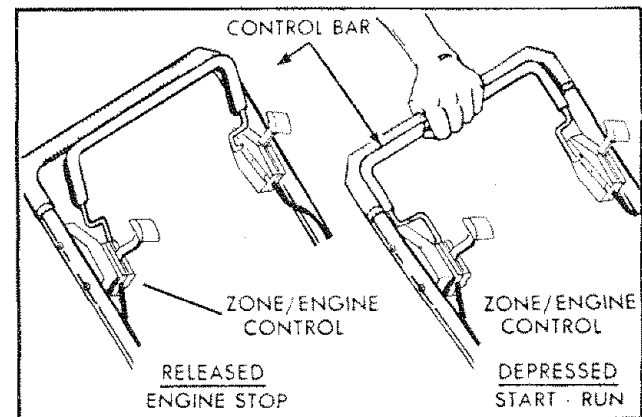


FIG. 14

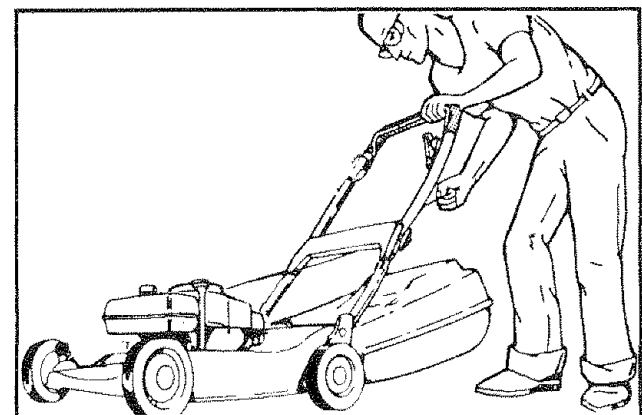


FIG. 15

## HOW TO USE YOUR MOWER (CONT'D)

### IF ENGINE DOES NOT START

1. Check blade - remove spark plug wire when checking blade. If blade is loose, see "BLADE AND BLADE FLANGE CARE" of manual for instructions on tightening blade.
2. Check air filter - replace if clogged. See "Air Filter" section.
3. Check spark plug - if dirty, clean or replace.
4. Observe that lower end of the engine control cable is actuating the lever mounted on the engine.
5. Engine may be flooded - wait a few minutes and repeat starting procedure.

NOTE: If then your engine will not start, contact your nearest Sears Service Department for help.

### ZONE/ENGINE CONTROL

Your mower is equipped with a zone/engine control attached and requires no adjustments (See Fig. 13).

### DRIVE CONTROL

The power-propelling forward motion is controlled by pulling the control bar down to handle and pushing the drive control lever forward until it clicks, then release the lever (See Fig. 13).

Forward motion will stop when the control bar is released. To stop forward motion without stopping the engine, release the control bar slightly until the drive control disengages. Depress control bar to handle to continue mowing without self-propelling.

To turn corners, you may prefer to keep the drive control engaged, and push down on the handle, lifting the front wheels off the ground and turning mower.

### POWER-PROPELLED DRIVE

1. Your power-propelled drive is accomplished by a belt drive from the engine crankshaft to a worm gear case.
2. The drive belt is spring-loaded at the gear case to maintain proper belt tension. Keep the area around the gear case clear of trash by removing drive cover and cleaning (See Fig. 16 and 17).
3. The gear case is lubricated with multi-purpose automotive grease. DO NOT USE ANY OTHER type grease or oil in the gear case. See "GEAR CASE" under "Maintenance".
4. Check your mower, each time you mow, to be sure that the front wheels turn freely. If wheels DO NOT turn freely, remove any trash which may have gotten into the wheel, pinion, or bearing areas.
5. If at any time, the drive belt is replaced, use only factory specified belt to get longer life and maximum performance.

### MOWING TIPS

1. Under certain conditions it may be necessary to raise the height of cut to keep from overloading the engine and leaving clumps of grass clippings.

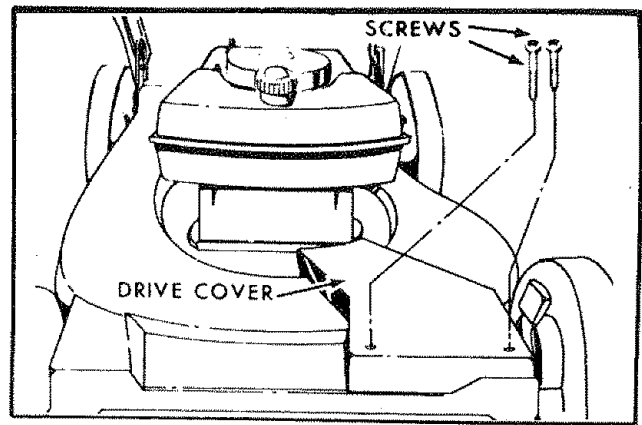


FIG. 16

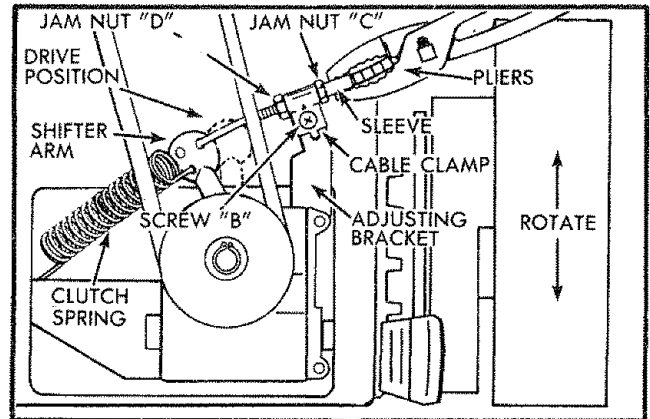


FIG. 17

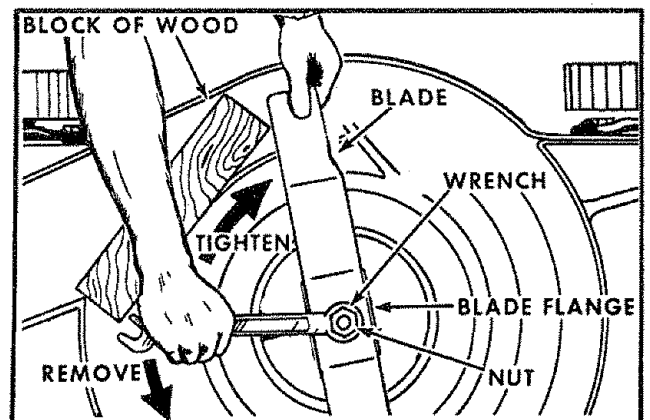


FIG. 18

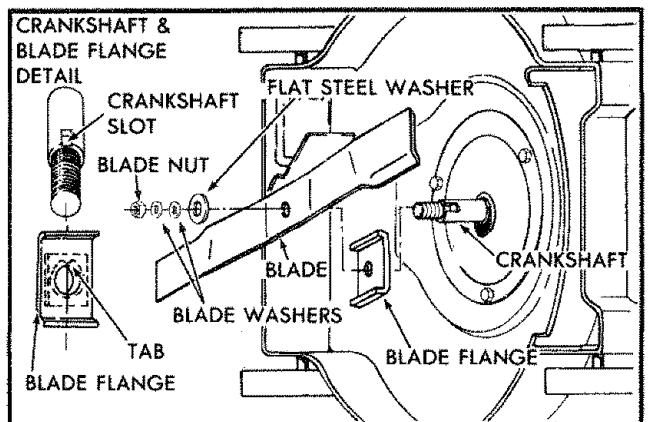


FIG. 19

## HOW TO USE YOUR MOWER (CONT'D)

### MOWING TIPS (CONT'D)

2. For extremely heavy cutting, make the width of your cut 1/2 to 3/4 the normal cut. This will reduce the load on the engine and give you cleaner cutting and bagging.
3. The user should note that when cutting moist, heavy grass with a rear bagging mower, clumps of cut grass may fail to enter the grass catcher. To pick up the clumps if they occur, run the mower over the area a second time.
4. Under certain conditions a trail of grass clippings may be left at the right side of the mower. Mowing in a clockwise direction with a small overlap will allow these clippings to be collected on next pass.

### MAINTENANCE

Be good to your mower. Once a year put in a new spark plug, a new air filter and check blade for wear. A new blade cuts better. With a new spark plug your engine will start and run better. A clean air filter assures proper air-fuel mixture. It will help your engine run better and last longer.

### MOWER:

#### BLADE/BLADE FLANGE CARE

**CAUTION:** Protect your hands when removing or installing blade of your mower. Wear heavy gloves and/or wrap blade with heavy cloth when holding blade. Always use a block of wood when tightening blade nut or blade bolt.

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

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

1. To remove the blade and blade flange, turn mower on its side with carburetor and air filter up (See Fig. 18).
2. Take blade nut off by turning counter-clockwise. Use a 15/16" box or open end wrench on the blade nut (See Fig. 18).
3. Put a block of wood between the blade and mower housing to prevent blade rotation when removing and tightening blade nut.

**NOTE:** Always check the blade flange when changing the blade to be sure tab has not been damaged (See Fig. 19).

4. If the tab in the blade flange is damaged replace the blade flange.

**NOTE:** The blade flange with tab attaches the blade to crankshaft. It is not intended to protect the crankshaft. The tab must be in good condition and located in slot of crankshaft to keep blade attached.

5. Put the blade flange on the engine crankshaft with the tab in the slot of the crankshaft (See Fig. 19).
6. Put the blade on the crankshaft as shown in (Fig. 19). Be sure the word "TOP" (stamped in the blade) is toward the engine.
7. Install the flat washer, two (2) formed washers and blade nut as removed above.

**NOTE:** We recommend that the blade nut be replaced when installing a new blade.

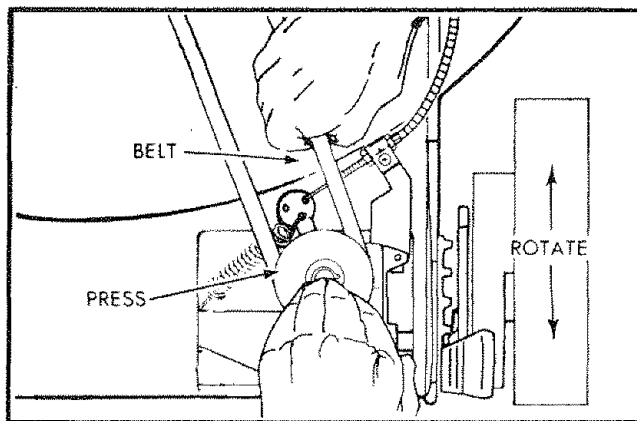


FIG. 20

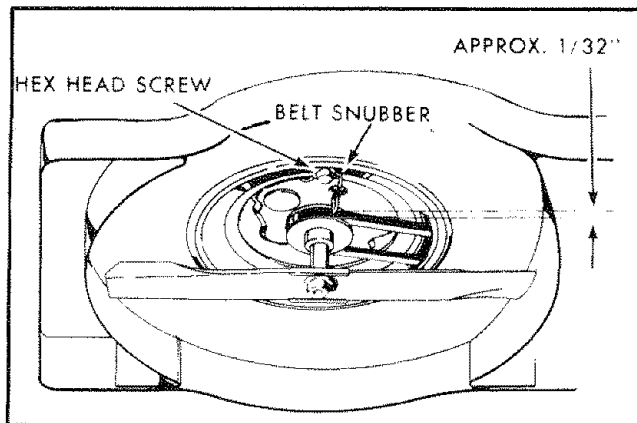


FIG. 21

8. Tighten blade nut. The recommended tightening torque is 70-75 ft. lbs. Use block of wood to prevent blade rotation.

**NOTE:** Torque wrenches are available at most Sears retail stores and through the catalog.

A loose blade can result in difficult starting of engine. We DO NOT recommend sharpening blade - you can keep the cutting edge touched up with a file. Grinding the cutting edge excessively can cause the blade to be out of balance. An unbalanced blade can cause excessive vibration and shorten the life of the engine and mower.

#### TO CHECK AND/TO REPLACE BELT

1. Remove the drive cover by removing the two (2) screws (See Fig. 16).
2. Inspect belt for wear or damage. If you decide to replace:
  - a. Push down on gear case pulley until belt can be removed from gear case pulley (See Fig. 20).
3. Turn mower on its side with carburetor up.
4. Loosen hex head screw holding belt snubber in place and move belt snubber away from pulley (See Fig. 21).
5. Remove belt from engine pulley on crankshaft and carefully slip the belt off over the blade.

**CAUTION:** The sharp edges of blade can cut the belt. Use care in installing new belt over blade.

6. To install new belt, reverse procedure as above in removal.

7. Move belt snubber back in place, approximately 1/32" away from belt and tighten hex head screw (See Fig. 21).

**NOTE:** Always use only factory approved belt to assure proper fit and longer life.

## MAINTENANCE (CONT'D)

### REAR DEFLECTOR

The rear deflector which is attached to the rear of your mower is to keep objects from being thrown out the back of the mower. If your rear deflector becomes damaged you should replace it (See Fig. 22).

### TO ADJUST DRIVE CONTROL CABLE

**NOTE: THE DRIVE CONTROL CABLE SHOULD BE CHECKED OFTEN TO BE SURE THAT GEAR CASE SHIFTER IS FULLY ENGAGED OR WHENEVER SERVICE HAS BEEN PERFORMED ON THE GEAR CASE OR DRIVE CONTROL COMPONENTS.**

1. To adjust, remove the drive cover by removing two (2) screws. Keep for re-use (See Fig. 16).
2. Loosen cable clamp screws "A" & "B" (See Figs. 23).
3. Loosen both jam nuts "C" & "D" at the cable clamp on the gear case adjusting bracket (See Fig. 17).
4. Unhook clutch spring from shifter arm (See Fig. 17).
5. Hold, clip or tape down the drive control bar and engage the drive control (See Fig. 13).
6. Move the shifter arm to drive position. To be sure the jaw clutch is fully engaged, rotate the front wheels.
7. Hold shifter arm in fully engaged position by pliers as shown in Fig. 17. **DO NOT** pull on control cable.
8. Tighten jam nut "C" up to bracket until cable is snug.
9. Tighten cable clamp screw "B" (See Figs. 17).
10. Tighten jam nut "D" up to bracket (See Fig. 17).
11. Tighten screw "A" (Fig. 23).
12. Put clutch spring back in place on shifter arm, removed in step 4 above.
13. With drive control in engaged position, push mower back and forth to be sure gear case is fully engaged.

**NOTE: Be sure to disengage drive control before starting engine.**

14. Put drive cover back in place, removed in step 1 above.

### GEAR CASE

1. **THE GEAR CASE AND AREA AROUND ALL THE DRIVE SHOULD BE KEPT CLEAN AND FREE OF TRASH BUILD-UP.**
2. To check gear case area:
  - a. Remove the drive cover by removing the two (2) screws (See Fig. 16). Keep for re-use.
  - b. Clean trash from around gear case.
  - c. Put drive cover back, removed in (a) above.

**NOTE: The gear case is filled to proper level at the factory. The only time the lubricant needs attention is if service has been performed on the gear case.**

**The gear case must be filled with grease after gear case has been serviced. Use only multi-purpose automotive grease. Do not substitute.**

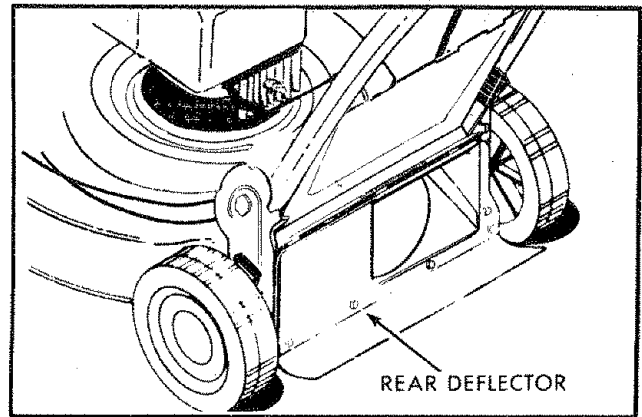


FIG. 22

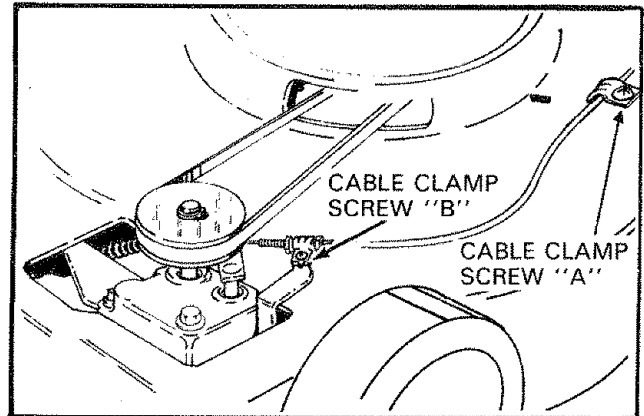


FIG. 23

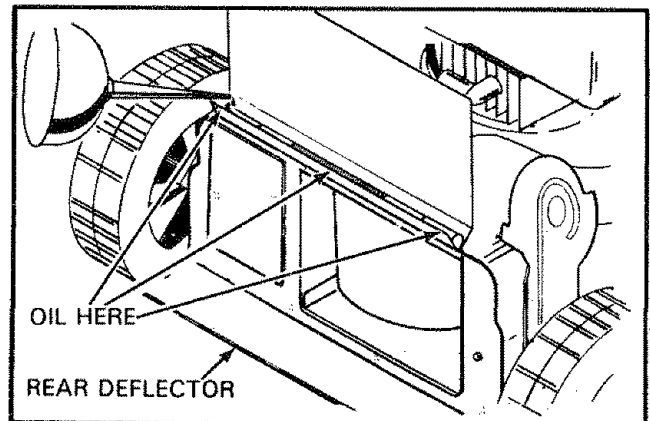


FIG. 24

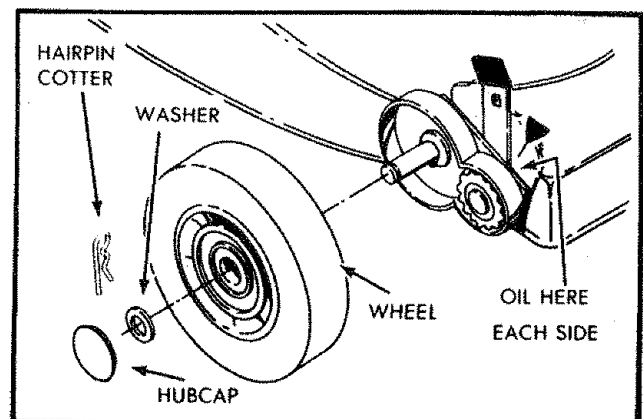


FIG. 25

## MAINTENANCE (CONT'D)

### LUBRICATION

**MOWER WHEELS:** Lubricating wheels and/or wheel bearings is not necessary under normal conditions. Should conditions require lubrication, thoroughly clean wheels and/or wheel bearings and axles and apply a light coating of dry lubricant.

**REAR DOOR HINGE:** Put a few drops of the same oil as used in the engine on hinge points of rear door once or twice each year (See Fig. 24).

**GEAR CASE:** The gear case is filled at the factory and does not require any addition of lubricant, unless the gear case is opened and service performed. Use only a multi-purpose automotive grease for refilling after service has been performed. Approximately 2 1/2 oz. required.

**FRONT WHEEL ADJUSTERS:** Put a few drops of the same oil as used in the engine on the front wheel adjusters once or twice each year (See Fig. 25).

### GRASS CATCHER

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 from Sears. Give the mower number when ordering.

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

### ZONE/CONTROL LEVER

Put one or two drops of the same oil as used in the engine between the zone control lever and bracket located on left rear of engine (See Fig. 26). Do this once or twice each year.

### CLEANING

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

1. Turn mower on its side with carburetor up.
2. 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.

3. 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.

### GEAR CASE AND DRIVE WHEELS

**NOTE:** The gear case and drive wheels should be cared for much like you would on automobile.

1. On a regular schedule remove the drive cover and remove any trash around gear case and belt area.
2. To remove drive cover, remove the two (2) screws (See Fig. 16). Keep for re-use.
3. Keep your mower clean and properly lubricated.

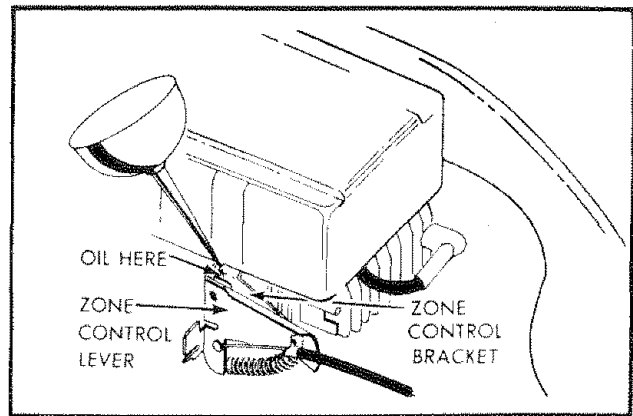


FIG. 26

### DRIVE WHEELS

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

1. The wheels not turning freely, indicates trash, grass, cuttings, etc. are in the drive wheel area, and must be cleaned to free drive wheels.
2. If necessary to clean the drive wheels (See Fig. 25) check both front wheels.
  - a. Remove hub caps, hairpin cotters and washers. Keep for re-use.
  - b. Remove wheel from wheel adjusters.
  - c. Remove any trash, grass cuttings from inside the dust cover, pinion and/or drive wheel gear teeth.
  - d. Put wheels back in reverse of removal.
3. If after cleaning drive wheel area, the drive wheels DO NOT rotate freely, the gear case needs care.

**NOTE:** If your gear case requires service we suggest that you contact Sears Service Center.

## MAINTENANCE (CONT'D)

### ENGINE:

#### LUBRICATION

**ENGINE:** use of proper oil in your engine and keeping to full level is essential. Changing oil regularly will lengthen the life of your engine.

The total oil capacity of your engine is 21 oz. Fill only to the "FULL" line on the dipstick. **DO NOT** over fill. The first fill on a new engine use about 1 pint. Check oil level and add as required to bring to proper level.

**NOTE:** On a new engine some oil may be left in the engine, as each engine is run for operational checks before shipping.

Use Sears SAE 30W oil or equivalent. SAE 10W30 oil can also be used. **DO NOT** use SAE 10W40 oil.

Use only oil with automotive classifications SF, SE, SD or SC markings on oil container.

Using Sears SAE 10W30 oil will assist engine starting in cool weather.

Running your engine with oil below safe level or with dirty contaminated oil can contribute to shortening the life of your engine.

After the first two (2) hours of mowing change the oil, then change the oil every 25 hours of mowing thereafter. If you mow under dusty, dirty conditions you may need to change the oil more often.

#### TO CHANGE OIL

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

1. Remove engine oil cap with dipstick, lay aside on a clean surface. Warm oil drains better.
2. Tip mower on its side as shown in Fig. 27 and drain oil into suitable container. Rock mower back and forth to remove any oil trapped inside of engine.
3. Wipe off any spilled oil on mower and/or inside of engine.
4. Fill engine with oil, fill only to the "FULL" line on the dipstick. **DO NOT** over fill.
5. Reconnect spark plug wire to spark plug.

#### AIR FILTER

**CAUTION:** **DO NOT** run your engine without air filter in place.

1. Your engine will not run properly with a clogged, dirty air filter.

**NOTE:** **DO NOT** wash this type air filter.

2. Replace your air filter each year, more often if you mow in very dusty, dirty conditions.

Replacement air filter no. 713332 is available at most Sears retail stores and through the catalog.

#### TO CHANGE AIR FILTER

1. Remove the air filter cover by turning counter-clockwise to the stop, and pull away from collar (See Fig. 28).
2. Remove filter from inside of cover (See Fig. 28).
3. Clean the inside of the cover and the collar to remove any dirt accumulation.
4. Insert new filter into cover.

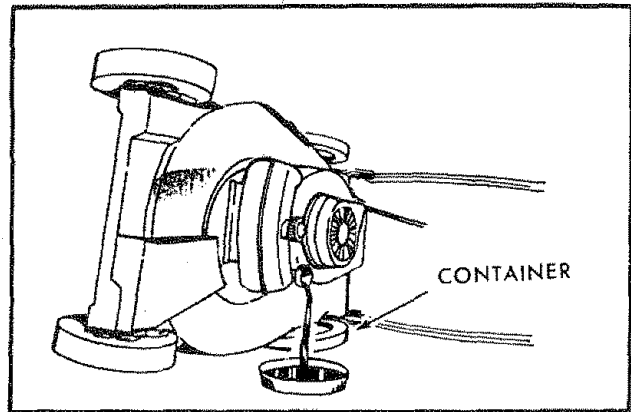


FIG. 27

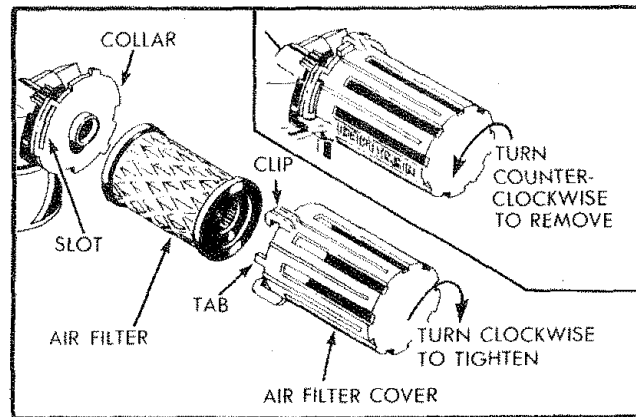


FIG. 28

5. Put air filter cover and filter into collar aligning the tab with the slot.
6. Push in on cover and turn clockwise to tighten (See Fig. 28).

#### SPARK PLUG

Change your spark plug each year.

A new clean spark plug will make your engine start and run better. Keep your spark plug clean. Set spark plug gap at .030.

Recommended replacement Sears spark plug no. 7133312 or STD361458 are available at most Sears retail stores and through the catalog.

#### GENERAL

**DO NOT** use gasoline left over from previous season. Old or stale dirty gasoline can cause starting and running problems.

Replace your gasoline can, if your old can starts to rust. **DO NOT** use rusty gasoline can, rust and/or dirt in your gasoline can cause problems.

## STORAGE

Never store engine with gasoline in tank, indoors or in closed, poorly ventilated areas where gasoline fumes may reach an open flame, spark or pilot light as on a furnace, water heater, or clothes dryer, etc.

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.

To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Follow these instructions:

If your engine is not to be used for 30 days or more prepare as follows:

Drain gasoline from fuel tank; gasoline in gasoline tank and carburetor will form deposits and cause problems in starting and running your engine.

When preparing your mower for storage it is a good time to service your mower and engine to be ready for the next mowing season. Replace such parts as mower blade, spark plug and air filter.

**CHANGE OIL:** Warm oil drains better.

Drain old oil and replace with fresh clean Sears SAE 30W oil.

See "To Change Oil" section under Maintenance.

Remove spark plug and put 2 or 3 tablespoons of oil into spark plug opening and pull starter rope slowly to distribute oil, install new spark plug and tighten.

**DO NOT PUT ANY ADDITIVES IN GASOLINE OR OIL.**

## CLEAN MOWER/ENGINE

**CAUTION:** Before cleaning mower, disconnect spark plug wire and place wire where it cannot come in contact with the spark plug.

Clean around engine and on top of mower. Scrape underside of mower using putty knife or similar tool to remove any build-up of trash or grass on underside of mower housing.

**NOTE:** We **DO NOT** recommend using a water hose to clean your 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.

## CHECK FASTENERS

Check all fasteners and be sure they are tight: tighten and/or replace any loose or worn fasteners.

## GRASS CATCHER

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 from Sears. Give the mower model when ordering.

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

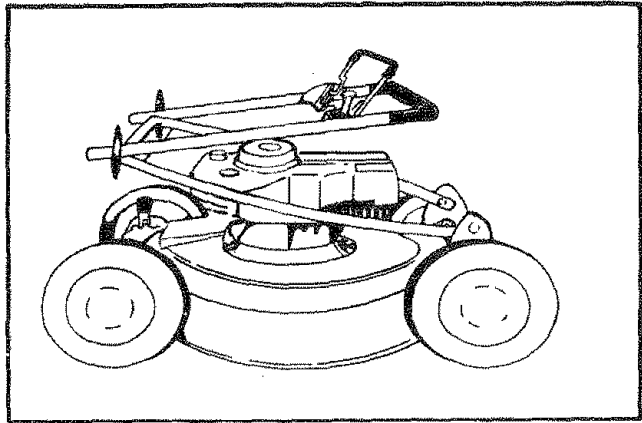


FIG. 29

## REPLACE BLADE

See "Blade Care" section under Maintenance. To get the best cutting results we recommend that you inspect mower blade for sharpness, wear and damage each year. If necessary, replace with a Sears original equipment blade. Replacement blade is available at most Sears stores and through the catalog. Be sure to give your mower model number when ordering blade.

We **DO NOT** recommend sharpening blade - you can keep the cutting edge touched up with a file. Grinding the cutting edge excessively can cause the blade to be out of balance. An unbalanced blade can cause excessive vibration and shorten the life of the engine and mower.

## GENERAL

Always store your mower on its wheels. Storing mower on its side or end may result in difficult starting.

When removing your mower from storage, fill gasoline tank with fresh, clean, unleaded, automotive gasoline. Check and fill oil to proper level.

When starting your engine the first time after being in storage for extended period, the engine may smoke for a while until the engine burns any oil or gasoline accumulated during the storage period.

**DO NOT** store gasoline from one season to another. Use up or dispose of any unused gasoline left from the mowing season.

Replace your gasoline can if your can starts to rust. **DO NOT** use rusty gasoline can. Rust and/or dirt in your gasoline can cause problems.

**DO NOT** store your mower under any plastic cover, plastic cannot breathe which promotes condensation and can cause your mower to rust.

## HANDLE

You can fold your mower handle for storage (See Fig. 29).

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

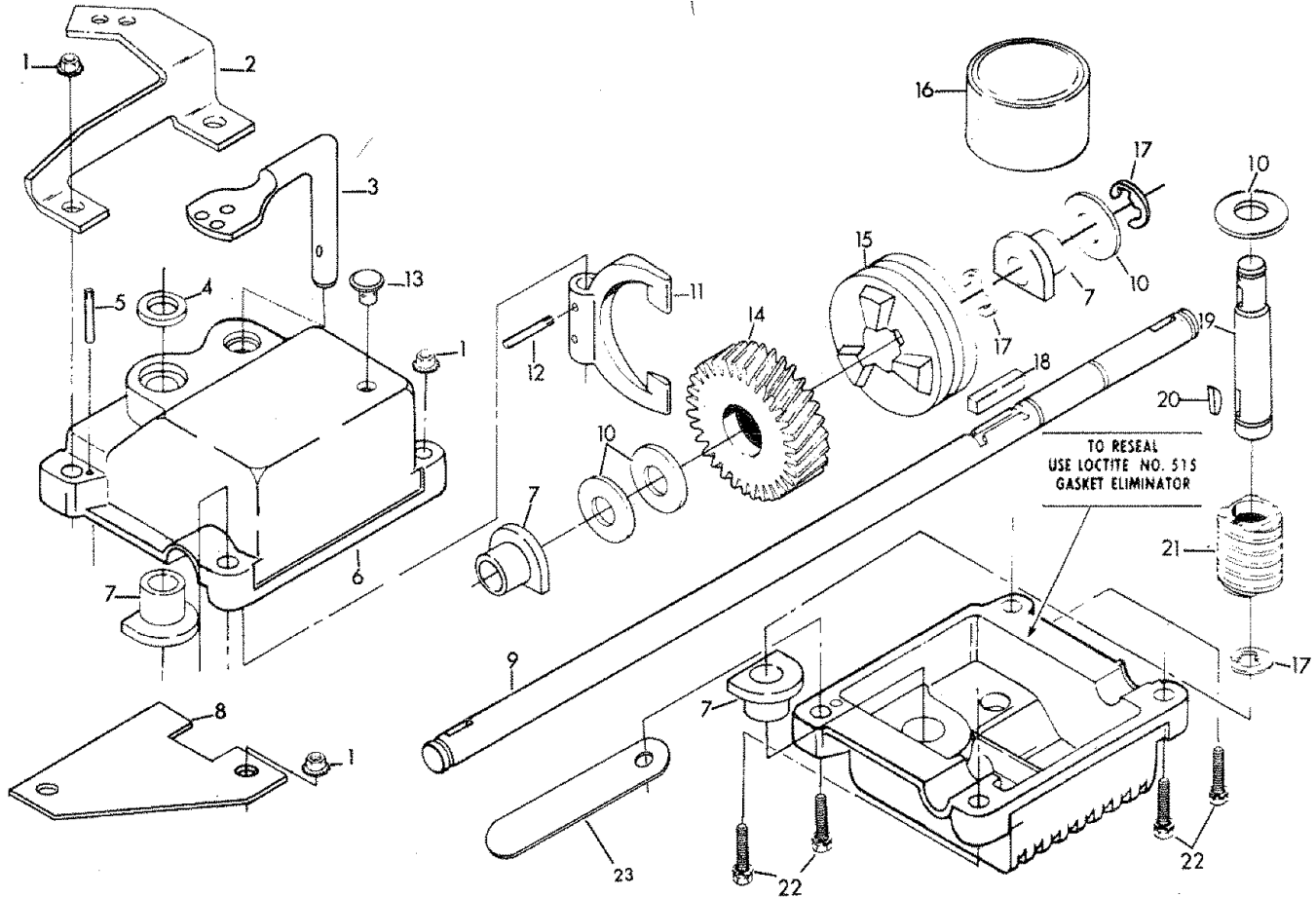
## TROUBLE SHOOTING POINTS

<b>PROBLEM</b>	<b>CAUSE</b>	<b>CORRECTION</b>
<b>Does not Start</b>	<ol style="list-style-type: none"> <li>1. Out of gasoline.</li> <li>2. "Stale Gasoline."</li>   <li>3. Spark plug wire is disconnected from the spark plug.</li> <li>4. Bad spark plug.</li> <li>5. Water in gasoline.</li>   <li>6. Loose blade or broken blade flange.</li> <li>7. Zone/Engine control in released position.</li> <li>8. Zone/Engine control does not function.</li> </ol>	<ol style="list-style-type: none"> <li>1. Fill gasoline tank.</li> <li>2. Drain gas tank and refill with fresh gasoline.</li> <li>3. Connect wire to spark plug.</li>   <li>4. Replace spark plug.</li> <li>5. Drain tank and refill with fresh, clean gasoline.</li> <li>6. Tighten blade bolt and/or replace blade flange.</li> <li>7. Depress control bar</li>   <li>8. Replace Zone/Engine control.</li> </ol>
<b>Loss of Power</b>	<ol style="list-style-type: none"> <li>1. Rear of mower housing/blade dragging in heavy grass.</li> <li>2. Cutting too much grass.</li> <li>3. Dirty air filter</li> <li>4. Build-up of grass, leaves, and trash.</li> </ol>	<ol style="list-style-type: none"> <li>1. Raise rear of mower housing one (1) setting.</li> <li>2. Set in "Higher Cut" position.</li> <li>3. Clean or replace air filter</li> <li>4. Disconnect spark plug wire and clean underside of mower housing.</li> </ol>
<b>Poor cut- Uneven</b>	<ol style="list-style-type: none"> <li>1. Worn or bent blade.</li> <li>2. Wheel heights uneven.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blade.</li> <li>2. Set all wheels at same height.</li> </ol>
<b>Too much Vibration</b>	<ol style="list-style-type: none"> <li>1. Worn or bent blades.</li> <li>2. Loose blade.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace blades.</li> <li>2. Tighten blade nut.</li> </ol>
<b>Starter Rope Hard to Pull</b>	<ol style="list-style-type: none"> <li>1. Flywheel brake is on when control bar is released.</li> <li>2. Bent crankshaft.</li> <li>3. Blade flange sheared.</li> </ol>	<ol style="list-style-type: none"> <li>1. Depress control bar, before pulling on starter rope.</li> <li>2. Replace crankshaft.</li> <li>3. Replace blade flange.</li> </ol>
<b>Catcher Not Filling Completely</b>	<ol style="list-style-type: none"> <li>1. Cutting height too low.</li> <li>2. Lift on blade worn off.</li> <li>3. Catcher bag dirty, poor air venting.</li> </ol>	<ol style="list-style-type: none"> <li>1. Raise cutting height.</li> <li>2. Replace blade.</li> <li>3. Clean/replace catcher bag.</li> </ol>

(If optional grass catcher is being used).

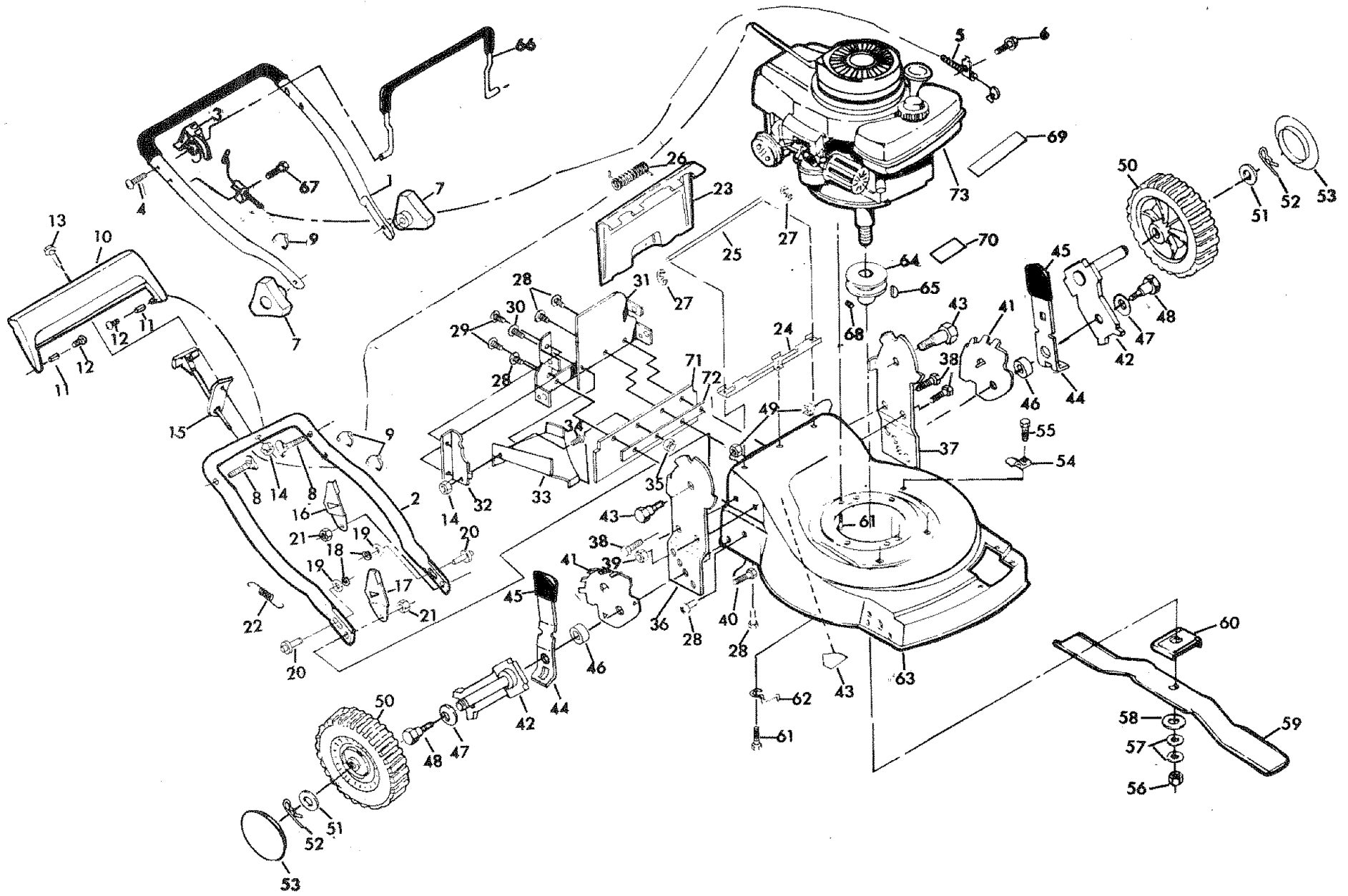


GEAR CASE ASSEMBLY PART NUMBER 88387



Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	53838	Keps Nut 1/4-20	13	86447	Plug
2	85178	Adjusting Bracket	14	83659	Helical Gear
3	88386	Shifter Assembly	15	75424	Jaw Clutch
4	57072	Seal	16	58354	Grease (1 lb. can - Shell Darina AX)
5	57388	Driv-Lok Pin 1/8 x 1/2	17	STD581050	E-Ring 1/2 Shaft
6	48032	Gear Case Halves (Incl. Upper & Lower Halves) (Incl. Ref. # 4, 5, 7)	18	83684	Square Key
7	77881	Bearing	19	83720	Worm Shaft
8	77039	Spring Bracket	20	65692	Woodruff Key #3
9	79946	Drive Shaft Kit	21	83680	Worm
10	57079	Thrust Washer	22	STD522512	Hex Head Machine Screw 1/4-20 x 1 1/4
11	75144	Yoke Clutch			
12	87822	Driv-Lok Pin			

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Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	84086	Upper Handle	21	87881	Shoulder Nut
2	87879	Lower Handle	22	87152	Spring
3	86874	Zone Engine Control	23	87760	Rear Door
4	78186	Zone Control	24	87626	Hinge Bracket - <i>Substo 48130</i>
5	87722	Cable Assembly	25	87569	Hinge Rod <i>Complete W/ Washers</i>
6	83813	Hex Head Screw 10-32 x 3/8	26	87145	Spring
7	63688	Handle Knob	27	STD581025	E-Ring
8	58714	Handle Bolt	28	STD512505	Hex Head Tapping Screw 1/4-20 x 1/2
9	87716	Control Cable Clip			
10	85424	Trim Plate	29	81283	Hex Self Tapping Screw 10-24 x 3/8
11	85529	Nylon Bushing	30	STD511005	Truss Head Screw 10-24 x 1/2
12	85825	Self-Tapping Screw 10-24 x 1	31	87656	Back Plate
13	85436	Hex Washer Head Machine Screw 1/4-20 x 1 1/2	32	87595	Side Baffle
14	63601	Locknut 1/4-20	33	87747	Discharge Baffle
15	34372A	Bracket Rope Guide (See Engine Parts List) (Source 143)	34	86779	Hex Head Machine Screw 1/4-20 x 3/4
16	87670	Handle Lever - L.H.	35	69180	Locknut 10-24
17	87672	Handle Lever - R.H.	36	87862	Handle Bracket - Right
18	STD581031	E-Ring	37	87864	Handle Bracket - Left
19	59289	Washer	38	55187	Thread Cutting Screw 5/16-18 x 3/4
20	87880	Shoulder Bolt			

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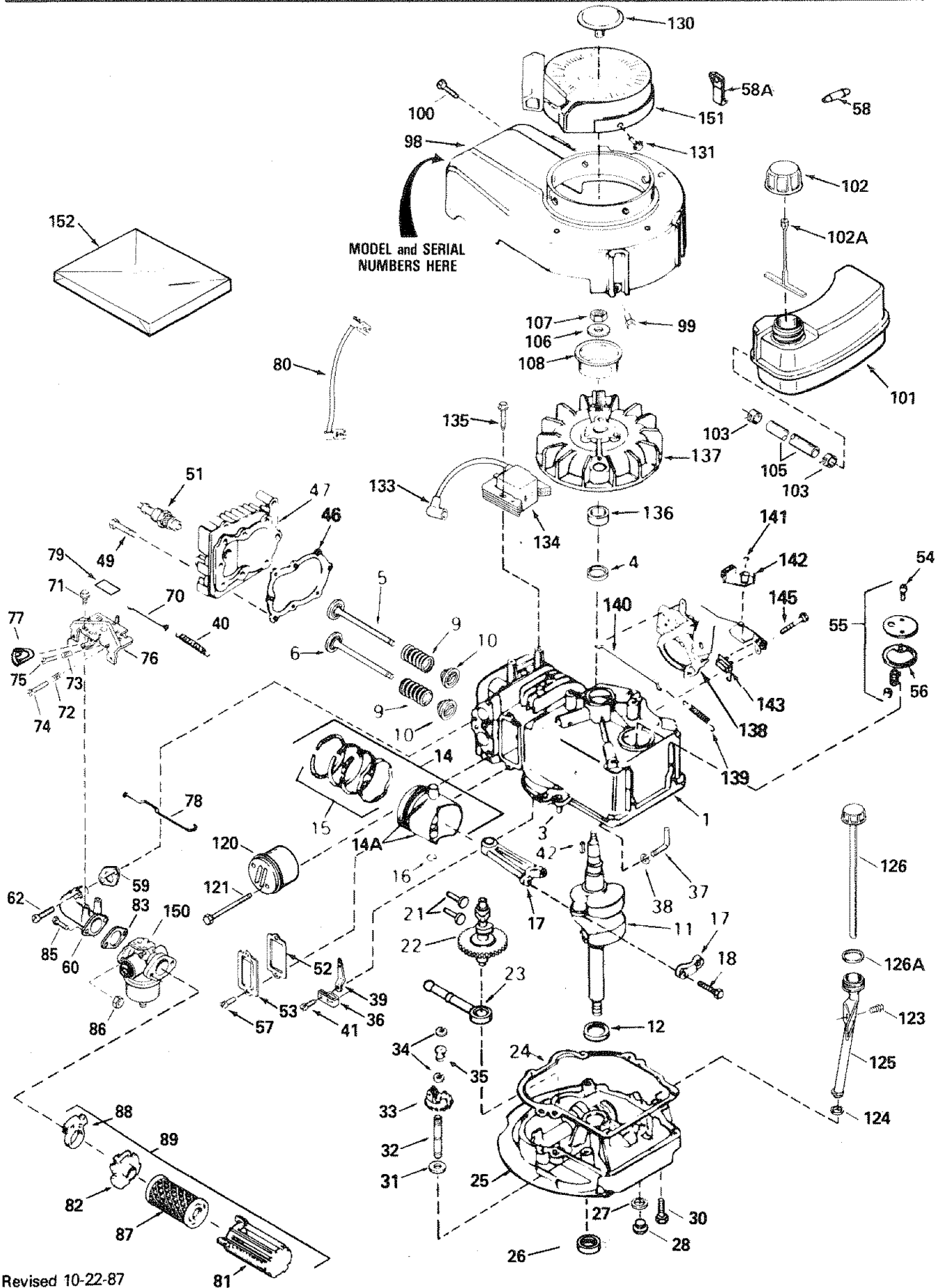
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Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
39	63124	Locknut 5/16-18	61	68205	Hex Head Machine Screw
40	STD533107	Carriage Bolt 5/16-18 x 5/8			5/16-18 x 7/8
41	69478	Wheel Adjusting Bracket			(Special)
42	85022	Axle Arm Assembly	62	83629	Belt Snubber
43	85463	Danger Decal	63	48108	Mower Housing Assembly (Incl.
44	84888	Selector Spring			Ref # 28, 29, 30, 31, 32, 63)
45	87877	Selector Knob	64	85543	Engine Pulley
46	84920	Spacer Bearing	65	87677	Hi-Pro Key #HP-505
47	62335	Spring Washer	66	84089	Control Bail
48	84921	Shoulder Bolt	67	85768	Hex Thread Rolling Screw
49	74400	Locknut 3/8-16			10-24 x 3/4
50	87727	Wheel & Tire Assembly	68	STD502502	Set Screw 1/4-20 x 5/16
51	52160	Washer	69	87029	Engine Decal
52	55015	Retainer Clip	70	87272	Instruction Decal
53	77400	Hub Cap	71	88366	Rear Skirt
54	70385	Cable Clip	72	88368	Backing Strip
55	81276	Self-Tapping Screw 10-24 x 1/2	73	87641	Engine Assembly 143.384092
56	51433	* Locknut 5/8-18 (Special)			(See Page 24 thru 26)
57	54867	Washer - Spring		87867	Owners Manual - Parts List
58	69385	Washer		<del>48081</del> 48165	Grass Catcher Complete
59	69334	Blade		33721	High Wheel Kit (Not Included)
60	87712	Blade Flange		33413	Leaf Catcher





Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	87732	Drive Control (Incl. Ref #2,3)	30	83632	Spring
2	48029	Drive Head Kit	31	68038	Locknut 1/4-20
3	48030	Drive Control Cable Kit	32	75192	Spring
4	78186	Machine Screw 10-24 x 2	33	STD580009	Woodruff Key #213
5	74189	Locknut 10-24	34	STD580014	Woodruff Key #3
6	87729	Wheel & Tire Assembly 8.00 x 2	35	87691	Drive Cover
7	52160	Washer	36	81276	Hex Head Tapping Screw #10 x 1/2 10-24 x 1/2
8	55015	Retainer Clip	37	87866	Pan Head Machine Screw 10-24 x 2 3/4
9	77400	Hub Cap	38	48095	Wheel Adjuster Assembly (Left) (Incl. Ref # 11, 13, 14, 15, 16, 17)
10	77862	Selector Spring (R.F.)	39	48096	Wheel Adjuster Assembly (Right) (Incl. Ref # 10, 13, 14, 15, 16, 17)
11	77861	Selector Spring (L.F.)	40	87871	Catcher Frame
12	87877	Selector Knob	41	69180	Locknut 10-24
13	86273	Spacer	42	87679	Catcher Bottom
14	86274	Spring Washer	43	87682	Baffle
15	88285	Axle Arm Assembly	44	103227X	Handle
16	STD582087	Retaining Ring	45	86988	Truss Head Machine Screw 1/4-20 x 3/4
17	86280	Wheel Adjusting Bracket	46	87873	Truss Head Screw 10-24 x 3/8
18	61528	Flat Head Machine Screw 1/4-20 x 3/4	47	87678	Catcher Top
19	63601	Locknut 1/4-20	48	53838	Locknut 1/4-20
20	76401	Dust Cover	49	87588	Baffle Front
21	74507	Pinion	50	87870	Truss Head Screw 1/4-20 x 5/8
22	STD581050	E-Ring	51	33303	Chute Deflector (Not Included W/Mower)
23	STD601003	Self-Tapping Screw 10-24 x 3/8			
24	83700	Cable Clamp			
25	48031	Gear Case Replacement Kit			
26	83681	Drive Pulley			
27	STD582043	Retaining Ring			
28	83691	V-Belt			
29	54338	Hex Head Bolt 1/4-20 x 2 3/4			



Revised 10-22-87

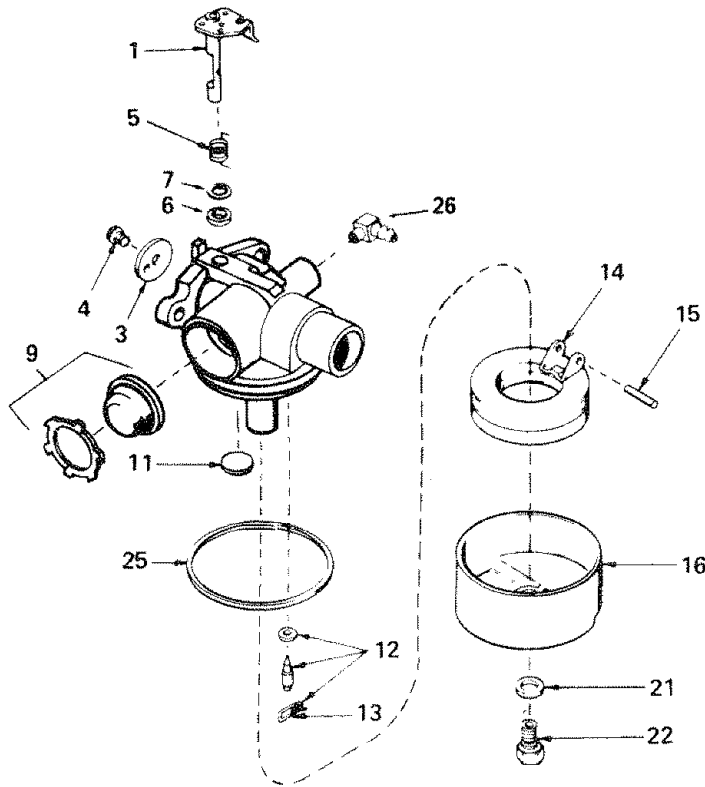


# CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.384092

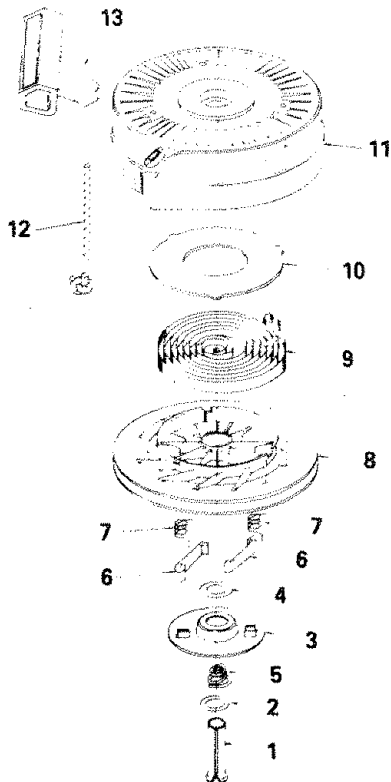
Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	35370	Cylinder Assy., (Incl. Nos. 3, 4, 54, 55 & 56)	70	34337	Link, Governor spring
3	26727	Pin, Dowel	71	30200	Screw, Hex washer hd. Sems, self-tapping, 10-24 x 9/16
4	32600	Seal, Oil	72	33802	Spring, Compression
5	29314B	Valve, Intake (Std.) (Incl. No. 10)	73	31342	Spring, Compression
5	29315C	Valve, Intake (1/32" oversize) (Incl. No. 10)	74	650777	Screw, Fil. hd., 6-32 x 21/32
6	29313C	Valve, Exhaust (Std.) (Incl. No. 10)	75	650549	Screw, Fil. hd., 5-40 x 7/16
6	29315C	Valve, Exhaust (1/32" oversize) (Incl. No. 10)	76	33205A	Control Assy., Speed (Incl. Nos. 72, 73, 74 & 75)
9	31672	Spring, Valve	77	32410	Knob, Speed control
10	31673	Cap, Lower valve spring	78	34336	Link, Governor-to-throttle
11	35175	Crankshaft	79	35167	Decal, Speed control
12	32323	Washer, Thrust	80	34961	Wire, Ground
14	34851	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 14A, 15 & 16)	81	35065	Cover, Air cleaner
14	34852	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 14A, 15 & 16)	82	35067	Collar, Air cleaner
14	34853	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 14A, 15 & 16)	83	*26756	Gasket, Carburetor
14A	32603B	Piston & Pin Assy. (Std.) (Incl. No. 16)	85	6201	Screw, Hex hd., 1/4-28 x 7/8
14A	32604B	Piston & Pin Assy. (.010 oversize) (Incl. No. 16)	86	29752	Nut & Lockwasher, 1/4-28
14A	32605B	Piston & Pin Assy. (.020 oversize) (Incl. No. 16)	87	35066	Filter, Air cleaner
15	34854	Ring Set, Piston (Std.)	88	35068	Clamp, Air cleaner
15	34855	Ring Set, Piston (.010 oversize)	89	3331	Air Cleaner Kit (Incl. Nos. 81, 82, 87 & 88)
15	34856	Ring Set, Piston (.020 oversize)	98	35478	Housing, Blower
16	20381	Ring, Piston pin retaining	99	650831	Screw, Hex washer hd. Powerlok thread, 1/4-20 x 15/32
17	30963B	Rod Assy., Connecting (Incl. No. 18)	100	30200	Screw, Hex washer hd. Sems, self-tapping, 10-24 x 9/16
18	32610A	Screw, Connecting rod	101	35586	Tank Assy., Fuel (Incl. No. 102 & 103)
21	27241	Lifter, Valve	102	35355	Cap, Fuel tank
22	33553	Camshaft (Mech. Compression Release)	102A	35480	Retainer, Fuel cap
23	29914	Pump Assy., Oil	103	26460	Clamp, Fuel line
24	*35261	Gasket, Mounting flange	105	34357	Line, Fuel
25	34311B	Flange Assy., Mounting (Incl. Nos. 26, 27, 28, 32)	106	650815	Washer, Belleville
26	27897	Seal, Oil	107	650816	Nut, Flywheel
27	*28833	Gasket, Oil drain plug	108	35000	Hub, Starter
28	30572	Plug, Oil drain	120	27181B	Muffler Assy. (Incl. No. 121)
30	650488	Screw, Hex hd. Sems, 1/4-20 x 1-1/4	121	650795	Screw, Hex hd., 1/4-20 x 2-1/4
31	30590A	Washer, Flat	123	650562	Screw, Hex washer hd. shake-proof, 10-32 x 1/2
32	30574	Shaft, Mechanical governor	124	34265	Gasket, Oil fill tube
33	30591	Gear Assy., Governor (Incl. No. 31)	125	35577	Tube Assy., Oil filler
34	29193	Ring, Retaining	126	35578	Dipstick, Oil
35	30588A	Spool, Governor	126A	35499	"O" Ring
36	31335	Clamp, Governor lever	130	35392	Plug, Starter
37	30589	Rod, Governor (Incl. No. 38)	131	650884	Screw, Hex washer hd., 8-32 x 1/2
38	28277	Washer, Flat	133	610118	Cover, Spark plug
39	31383A	Lever, Governor	134	34443A	Solid State Assy.
40	31361	Spring, Governor	135	650814	Screw, Hex hd. Sems, 10-24 x 1
41	650548	Screw, Hex washer hd., 8-32 x 5/16	136	34080	Spacer, Flywheel Key
42	611004	Key, Flywheel (Solid State)	137	611046A	Flywheel
46	*33015	Gasket, Cylinder head	138	35015A	Bracket Assy., Brake
47	34342	Head, Cylinder	139	34965	Spring, Extension
49	6021A	Screw, Hex flange hd., 5/16-18 x 1-1/2	140	34966	Link, Control
51	35395	Resistor Spark Plug (Champion RJ-19LM or equivalent)	141	32309	Ring, Retaining
52	*27234	Gasket, Valve spring cover	142	34968	Lever, Brake
53	32755	Cover, Valve spring box	143	610973	Terminal Assy.
54	30200	Screw, Hex washer hd. Sems, self-tapping, 10-24 x 9/16	145	650839	Screw, Hex hd. self tap Sems, 1/4-20 x 7/16
55	34215	Breather Assy. (Incl. Nos. 54 & 56)	150	632388	Carburetor (Incl. No. 83)
56	*32760	Gasket, Breather	151	590621	Starter, Rewind
57	650128	Screw, Fil. hd. Sems, 10-24 x 1/2	152	33238C	Gasket Set (Incl. items marked *)
58	34985	Retainer, Starter rope			RPM Settings: Low Speed, 2050; High Speed, 3000.
58A	35168	Bracket, Rope guide			*Indicates Parts Included in Gasket Set, Ref. No. 152.
59	*34690	Gasket, Intake			
60	31384A	Pipe, Intake (Incl. No. 59)			
62	650451	Screw, Hex hd. Sems, 1/4-20 x 1			

**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



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## HOW TO ORDER REPAIR PARTS

Each LAWN MOWER has its own MODEL NUMBER. Each ENGINE has its own MODEL NUMBER.

The MODEL NUMBER for the lawn mower will be found on a plate attached to your lawn mower at the REAR OF THE HOUSING.

The MODEL NUMBER for the engine will be found on the BLOWER HOUSING of the engine adjacent to the spark plug.

Always mention these MODEL NUMBERS when requesting service or repair parts for your LAWN MOWER.

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. SERVICE CENTERS and most Retail Stores.

If parts you need are not stocked locally your order will be electronically transmitted to a SEARS PARTS DISTRIBUTION CENTER for expedited handling.

## OWNER'S MANUAL

MODEL NO.  
917.372260

Serial  
Number \_\_\_\_\_  
Model and Serial Number  
may be found on the number  
plate on the rear of the mower  
housing.

You should record both Model  
and Serial Number and keep  
in a safe place for future  
reference.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

1. The PART NUMBER
2. The PART DESCRIPTION
3. The MODEL NUMBER - 917.372260
4. The NAME OF THE PRODUCT - CRAFTSMAN 22" POWER-PROPELLED REAR BAGGER LAWN MOWER
5. The ENGINE MODEL NUMBER - 143.384092

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