

OWNER'S MANUAL

SEARS
CRAFTSMAN®

**4.0 RESERVE POWER
SOLID STATE IGNITION
REAR BAGGER
LAWN MOWER
22" POWER-PROPELLED**



**MODEL NO.
917.374400**

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. FOR FURTHER STARTING DETAILS SEE PAGE 10 OF THIS MANUAL. THIS MOWER IS DESIGNED TO START ONLY BY USING THE BATTERY POWERED STARTER. IF THE BATTERY IS DISCHARGED IT MUST BE RECHARGED. MANUAL MEANS OF STARTING IS NOT PROVIDED.

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

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 plugs.
- Repairs necessary because of operator abuse or negligence, including bent crank-shafts 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 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.

CUSTOMER 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 lawn 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>Oil: Use SAE 10W30 motor oil. SAE 30 motor oil can also be used.</p> <p>Gasoline: Use unleaded automotive gasoline. Regular automotive gasoline can also be used. DO NOT use premium gasoline, or gasoline containing alcohol.</p>	<p>FOR CATCHER ASSEMBLY 3/8 and 7/16 or Adjustable Wrench Medium Flat Blade Screwdriver</p> <p>FOR BLADE REMOVAL Standard 15/16" box or open end wrench</p>

Sears 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 owners 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 before filling gas tank. Wipe 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 gasses 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. Use only recommended catcher. Always stop engine to remove grass 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.
28. ALWAYS DISCONNECT BATTERY BEFORE SERVICING OR TRANSPORTING YOUR MOWER TO AVOID ACCIDENTAL STARTING.



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

HIGH WHEEL KIT: A pair of 12-inch rear wheels improves handling on soft, spongy lawns and uneven terrain. Includes height adjusters; doesn't affect cutting height range.

MOWER COVER: Sears Tyvek® cover protects mower from weather when stored outdoors.

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 the engine.

MANUAL RECOIL STARTER KIT: A manual recoil starter kit is available thru Sears Service Department, order Kit No. 35397 from Source 143.

CLIPPING DEFLECTOR: Converts rear bagging mowers to side discharge to disperse safely and evenly.

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 gasoline containing any alcohol or with any additives.
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 10W30 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.
10. **FOLLOW THE MAINTENANCE SUGGESTIONS IN YOUR OWNERS MANUAL:** Read your manual and keep it in a convenient place for easy reference.
11. **DO NOT PUT ANY ADDITIVES IN THE OIL OR GASOLINE:** DO NOT USE GASOHOL, or gasoline containing any alcohol.

Your lawn mower has been completely assembled at the factory, except for the Grass Catcher and Grass Catcher Frame. To set-up and attach Grass Catcher, follow the instructions under "TO UNFOLD HANDLE" and "GRASS CATCHER".

The following parts are included not assembled:

- 1 Grass Catcher Frame
- 1 Grass Catcher Top
- 1 Grass Catcher Bottom
- 1 Battery Charger
- 1 Hardware Package

HOW TO SET-UP YOUR MOWER

TO UNFOLD HANDLE

1. Raise the handles until the lower handle is in mowing position (See Fig. 2).

NOTE: The lower handle automatically locks into mowing position when raised from shipping to mowing 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 (4) screws and (2) bushings holding the trim plate to lower handle. Keep for reassembly (See Fig. 1).
- b. Remove the handle knobs and bolts from upper and lower handle.
- c. Cut the wire tie and remove the cable clip from lower handle. Keep cable clip for reuse (See Fig. 4).
- d. Remove the hairpin cotters and springs from mounting pins (See Fig. 3).
- e. Squeeze the bottom ends of the lower handle toward each other until handle and handle levers slip off mounting pins (See Fig. 3).
- f. Turn handle over, position the handle levers in place (See Fig. 5).
- g. Put handle back on mounting pins.
- h. Put springs and hairpin cotters back on mounting pins (See Fig. 3).
- i. Put upper handle on lower handle using handle bolts and knobs previously removed.
- j. Put trim plate back on lower handle removed in (a) above. Install the (4) screws and (2) bushings (See Fig. 1).
- k. Snap cable clip over cable and lower handle (See Fig. 1).
- l. If you have cut the wire tie to turn lower handle, locate the wire tie (black plastic) in the customer package.
- m. Install the wire tie over the cable sleeve and lower handle, pull up snug and cut off excess end of wire tie. (See Fig. 4).

5. To fold handle for storage, squeeze the handle levers until lower handle clears handle brackets, then move handle forward (See Fig. 3).

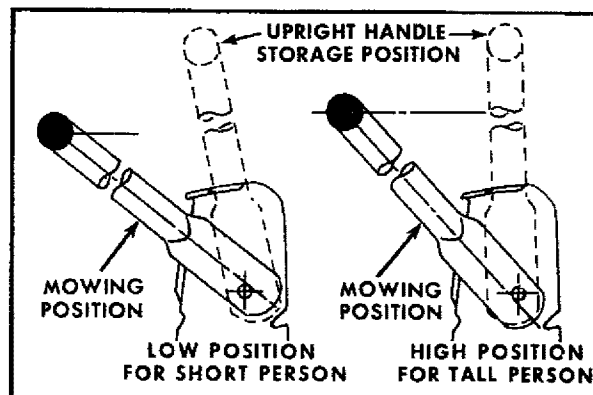


FIG. 2

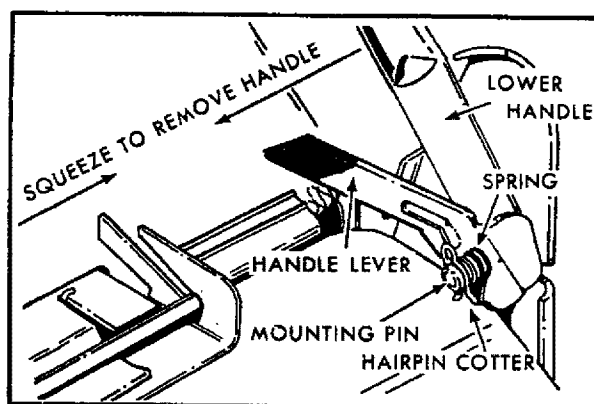


FIG. 3

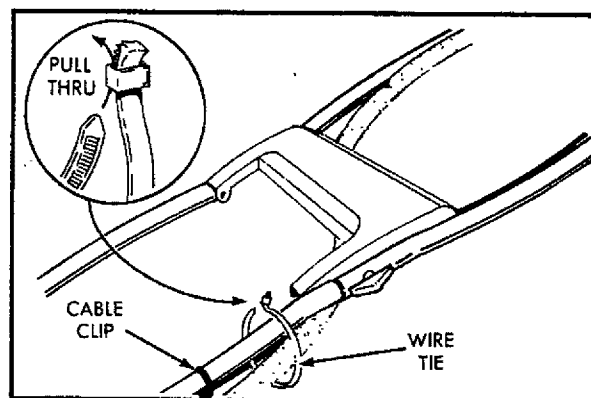


FIG. 4

IMPORTANT: WHEN FOLDING HANDLE FOR TRANSPORTING OR STORAGE, BE SURE TO FOLD HANDLE AS SHOWN IN FIG. 6. IF YOU FOLD HANDLE THE WRONG WAY, YOU MAY BEND THE CONTROL CABLES.

CAUTION: ALWAYS DISCONNECT ENGINE CONNECTOR FROM BATTERY TO PREVENT ACCIDENTAL STARTING WHEN STORING OR TRANSPORTING YOUR MOWER.

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

TO ADJUST HEIGHT OF CUT

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

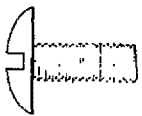
CAUTION: DO NOT change the height of cut with the engine running.

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 5/8", medium cut is approximately 2 1/2", and low cut is approximately 1 3/8". There are two other positions. Pick the position which suits your lawn (See Fig. 7).
3. The wheel adjusters on your lawn mower can be easily adjusted as shown in Fig. 8. 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. 7).
4. When cutting in heavy or moist grass, the rear of the lawn mower may be raised one setting higher to allow better discharge of the grass.

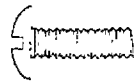
TO ASSEMBLE GRASS CATCHER

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

SCREWS ACTUAL SIZE



1/4-20 x 5/8"
SCREW



#10-24 x 5/8"
SCREW

1. Position clamp onto catcher frame as shown in Fig. 9 and close ends of clamp.

NOTE: When closing clamp be sure the holes in clamp are in line.

2. Put grass catcher frame with clamp installed into catcher top as shown in Fig. 9.
3. Put one (1) #10-24 x 5/8 truss head screw into hole in catcher top and clamp and #10-24 locknuts. DO NOT TIGHTEN (See Fig. 9).
4. Put three (3) #10-24 x 5/8 truss head screws into the catcher frame using #10-24 locknuts. Use a flat blade screwdriver to drive screws while holding the locknuts with adjustable or 3/8" wrench (See Fig. 9).
5. Position baffle inside of catcher top as shown in (Fig.10). Put two (2) #10-24 x 5/8 truss head screws into holes with two (2) #10-24 locknuts. Use a flat blade screwdriver to drive screws while holding the locknuts with adjustable or 3/8" wrench.
6. Position top half of catcher on the bottom half (See Fig. 9).
7. Align the holes in sides of top and bottom halves of catcher.

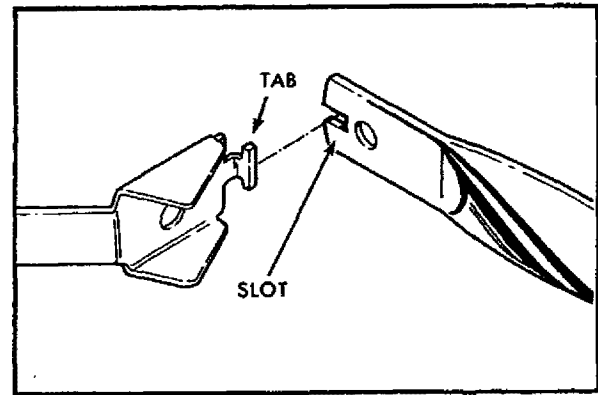


FIG. 5

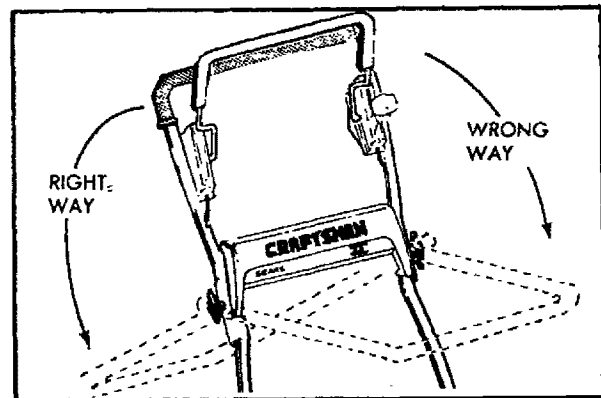


FIG. 6

8. Install the eight (8) 1/4-20 x 5/8" truss head screws, starting at the right front of catcher as shown in Fig. 9.
9. Install the 1/4-20 "Keps" nuts on the screws. Do not tighten until all of the screws have been installed in the catcher.
10. Use a medium flat blade screwdriver to tighten the screws while holding the "Keps" nuts with adjustable or 7/16" wrench.

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

TO ATTACH GRASS CATCHER

1. Place the frame into the slot of the hinge bracket.
2. Depress the door latch tab and slide the frame into position at the end of the slot (See Fig. 11).
3. Release door latch tab to lock frame into place.
4. To remove grass catcher, SHUT OFF ENGINE, lift up on back of grass catcher with one (1) hand and press down on the door latch tab with the other hand (See Fig. 11).



REMEMBER: Read your Owner's Manual and Rules for Safe Use.

HOW TO SET UP YOUR MOWER (CONT'D) TO ATTACH GRASS CATCHER (CONT'D)

5. When grass catcher frame is unlatched, remove the catcher from the rear of the mower and empty catcher.
6. 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.

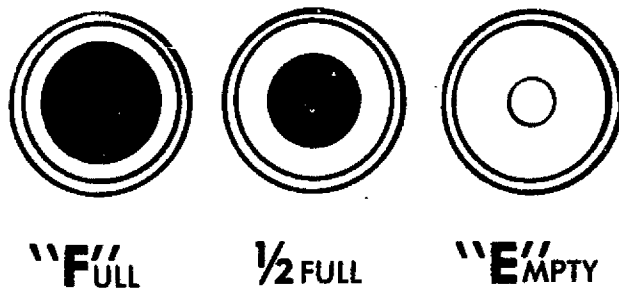
REAR DEFLECTOR

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

E-Z VIEW FUEL GAUGE

Your engine has a visual fuel gauge located on top front of engine to indicate fuel level in tank (See Fig. 12).

To read the gauge, look into the gauge when tank is "EMPTY" a clear circle is seen. The 1/2 Full and "FULL" will show dark or black in color to indicate fuel level, see below:



CAUTION: When the full circle darkens to black, use caution as the filler neck can overflow quickly after gauge shows "FULL", if you continue to pour into tank filler.

BEFORE STARTING ENGINE

1. Remove engine oil cap with dipstick and fill to the "FULL" line on the dipstick, using about 1 pint or 0.5 liters of Sears 10W30 oil or equivalent. SAE 30 oil can also be used (See Fig. 12). DO NOT use SAE 10W40.

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 over fill. The first fill on a new engine use about 1 pint or 0.5 liters. 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.

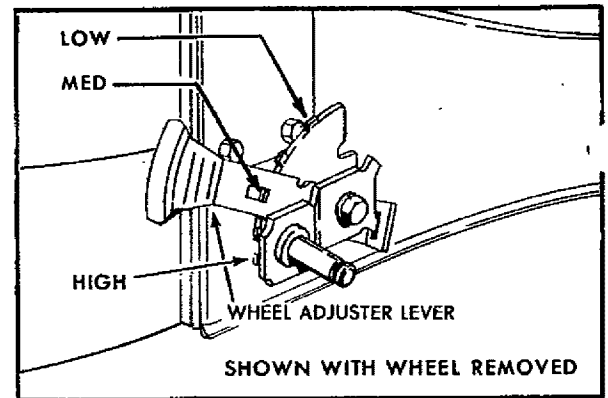


FIG. 7

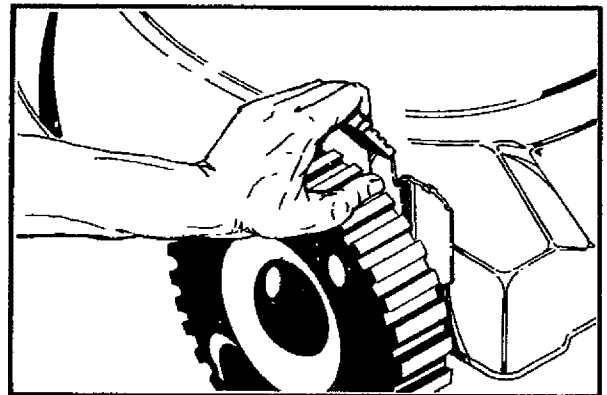


FIG. 8

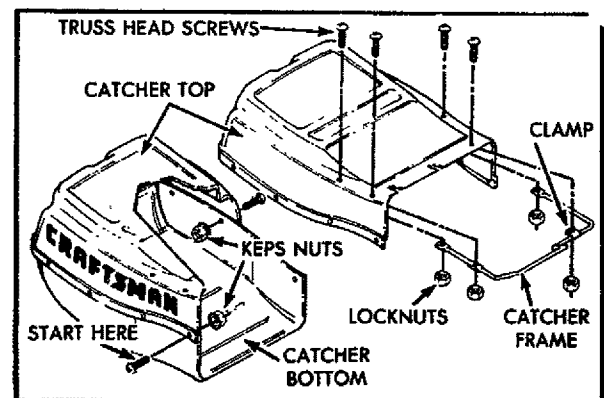


FIG. 9

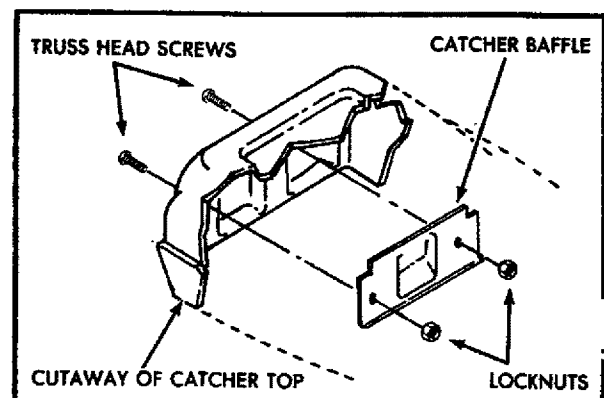


FIG. 10

BEFORE STARTING ENGINE (CONT'D)

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, or SC markings on oil container.

4. Fill the gasoline tank with about two (2) quarts of fresh, clean unleaded gasoline. Regular leaded gasoline can also be used (See Fig. 12). See "E-Z VIEW FUEL GAUGE" section.

DO NOT use old or stale gasoline which has been kept from one season to another; starting problems can result.

CAUTION: DO NOT USE GASOLINE CONTAINING ANY AMOUNT OF ALCOHOL, AS IT CAN CAUSE SERIOUS DAMAGE OR CAN SIGNIFICANTLY REDUCE ENGINE PERFORMANCE. DO NOT USE PREMIUM LEADED GASOLINE. DO NOT PUT ANY ADDITIVES IN THE OIL OR GASOLINE.

Be sure your gasoline can is clean and free of rust and dirt. Replace your can if it has started to rust.

ENGINE BLADE CONTROL

Your mower is equipped with an engine blade control, attached to right side of upper handle and requires no assembly or adjustment (See Fig. 15).

HOW TO USE YOUR MOWER

IMPORTANT

ENGINE CONTROL

CAUTION: THE BLADE TURNS WHEN THE ENGINE IS RUNNING.

YOUR MOWER IS EQUIPPED WITH A BATTERY STARTING SYSTEM 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.

NOTE: YOUR MOWER CAN ONLY BE STARTED WITH BATTERY POWERED START FROM THE OPERATORS POSITION. SEE "TO START ENGINE" SECTION.

NOTE: DO NOT START ENGINE IN HEAVY OR UNCUT GRASS.

ENGINE SPEED CONTROL

The engine speed is controlled by a control knob located on top 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).

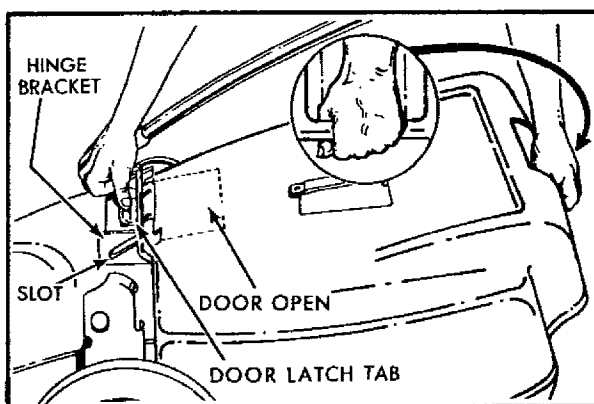


FIG. 11

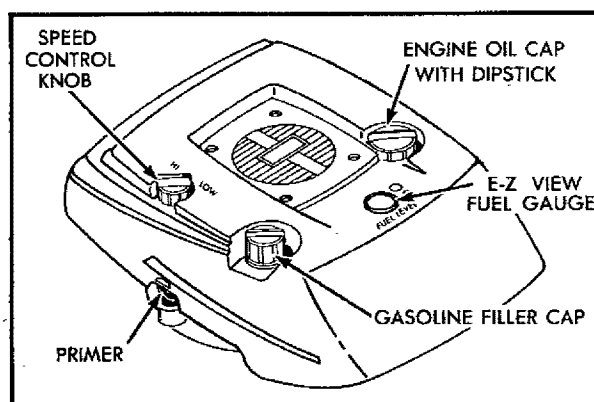


FIG. 12

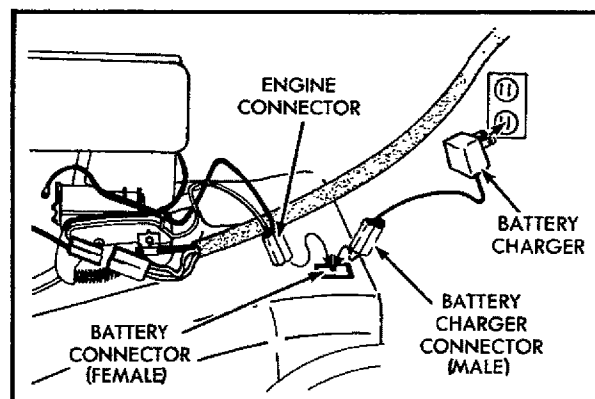


FIG. 13

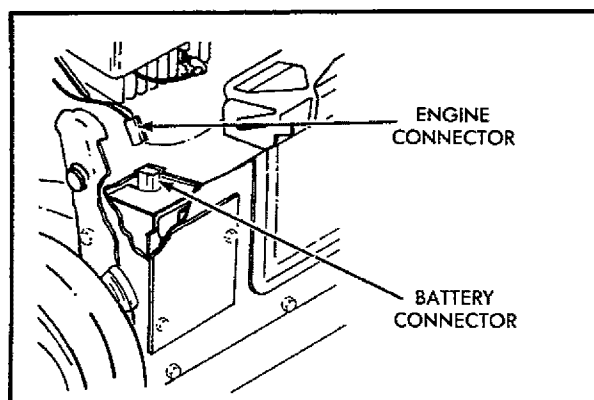


FIG. 14

HOW TO USE YOUR MOWER (CONT'D)

TO PREPARE BATTERY

NOTE: YOUR BATTERY MUST BE CHARGED BEFORE YOU CAN START YOUR MOWER.

1. Connect battery charger connector (male) to the battery connector (female) as shown in Fig. 13.
2. Plug the battery charger into 110 Volt-A.C. outlet (See Fig. 13).
3. Leave the battery charger connected for 24 hours before initially starting your engine.
4. After charging, connect engine connector to battery connector (See Fig. 14).

Your engine has an integral alternator for partial charging. Connect your battery charger to charge battery as required.

THE ENGINE ALTERNATOR WILL NOT CHARGE A DISCHARGED BATTERY.

At the end of the mowing season the battery should be charged for 48 hours to protect the battery during winter storage.

CAUTION: ALWAYS DISCONNECT THE ENGINE CONNECTOR FROM THE BATTERY CONNECTOR TO PREVENT ACCIDENTAL STARTING WHEN TRANSPORTING OR STORING YOUR MOWER AFTER THE MOWING SEASON.

TO START ENGINE

NOTE: 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 level and make sure spark plug wire is attached.
2. Move engine control lever to "HI" position (See Fig. 12).
3. When starting a cold engine, push the primer five (5) times before attempting to start the engine. Use sharp pushes and 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 normally necessary to use the primer to start warm engine.

5. Position yourself at the handle, operator position.
6. Holding the control bar in depressed position, with your right hand push in on the engine start button (See Fig. 15). As the engine begins to start, release the starter button. Engine will stop when the control bar is released.
7. If the engine fails to start, repeat priming and starting procedure.

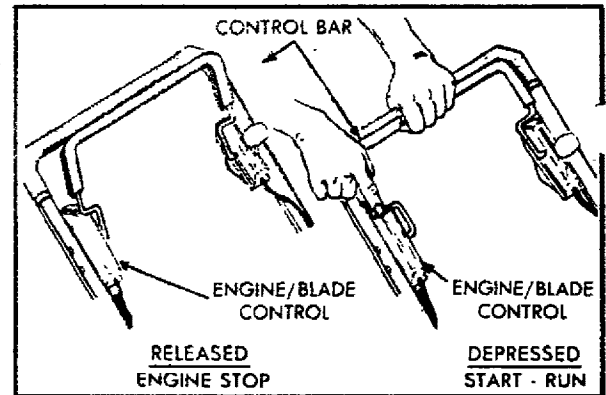


FIG. 15

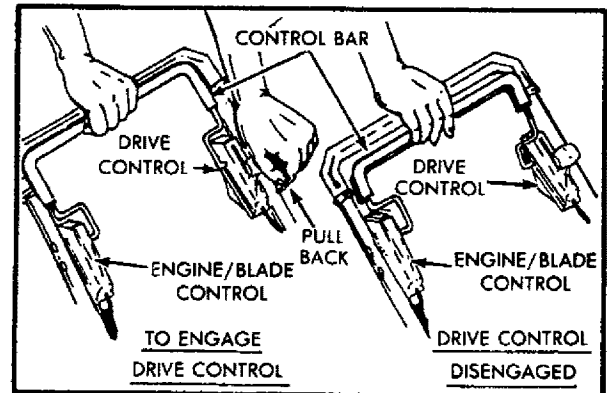


FIG. 16

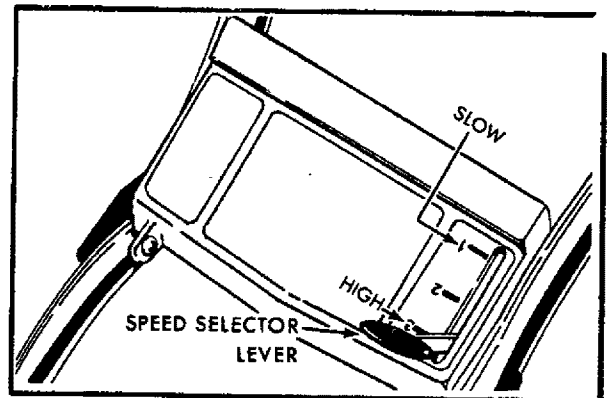


FIG. 17

CAUTION: DO NOT crank engine more than five (5) continuous seconds, each try to start, wait 5/10 seconds between starting attempts.

If engine fails to start after several attempts, contact your nearest Sears Service Department for help.

8. To stop engine, release the control bar (See Fig. 15).

NOTE: The control bar must be held in "Depressed" position to keep engine running - when control bar is disengaged the engine will automatically stop (See Fig. 15).

HOW TO USE YOUR MOWER (CONT'D)

IF ENGINE DOES NOT START

1. Check engine control knob - is it in "HIGH" position?
2. Check gasoline supply - put gasoline in tank.
3. Check spark plug wire - connect wire to spark plug.
4. Check blade - remove spark plug wire when checking blade. If blade is loose, see "BLADE CARE" of manual for instructions on tightening blade.
5. Check air filter - clean or replace if clogged. See "AIR FILTER" section.
6. Check spark plug - if dirty, clean or replace.
7. Engine may be flooded - wait a few minutes and repeat starting procedure.
8. Check battery connection to engine starter-connect.

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

DRIVE CONTROL

With the engine running, the power-propelled motion is controlled by pulling the drive control lever until it clicks at which time the lever may be released (See Fig. 16).

SPEED SELECTOR

Your mower is equipped to give you (3) forward speeds.

CAUTION: DO NOT move speed selector lever to change speeds unless engine is running.

- (1) (SLOW) speed for heavy cutting or trimming.
 - (2) Speed for normal cutting and walking speeds.
 - (3) (HIGH) for light cutting and fast walking speed.
- Select the desired setting which suits you best by pushing speed selector lever slightly to the left, then to the speed desired (See Fig. 17).

POWER-PROPELLED DRIVE

1. Your power-propelled drive is accomplished by a belt drive from the engine crankshaft to drive a worm and pinion 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. 22 and 24).
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.
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.

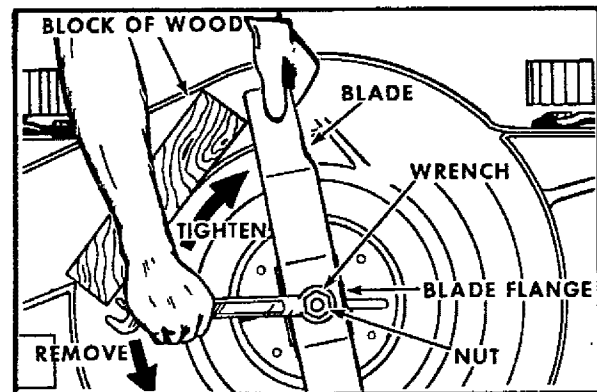


FIG. 18

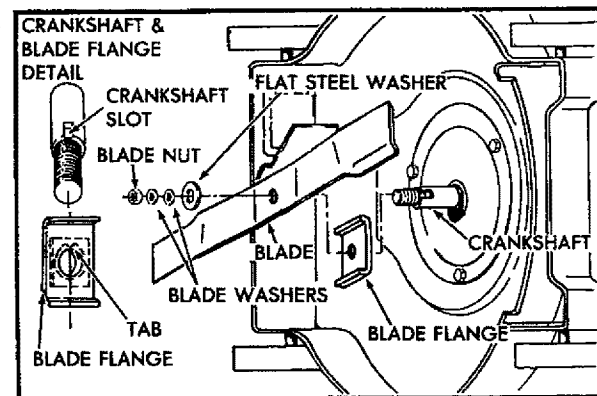


FIG. 19

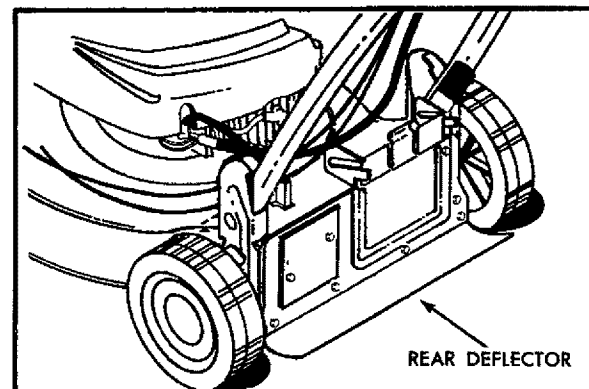


FIG. 20

HOW TO USE YOUR MOWER (CONT'D)

MOWING TIPS (CONT'D)

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 the next pass.

MAINTENANCE

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

MOWER:

BLADE/BLADE FLANGE CARE

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

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

1. To remove the blade and blade flange, turn mower on its side with the carburetor 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. 18).
6. Put the blade on the crankshaft as shown in (Fig. 18). Be sure the word "TOP" (stamped in the blade) is toward the engine.

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. 20).

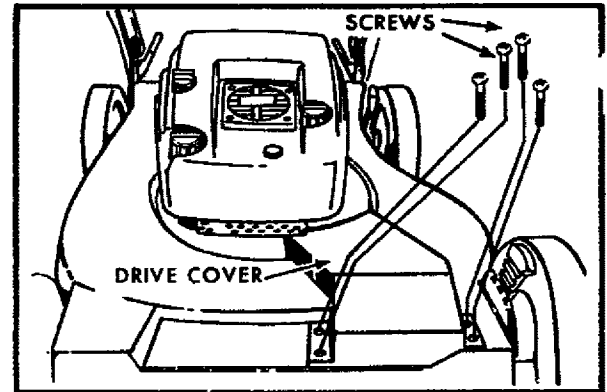


FIG. 21

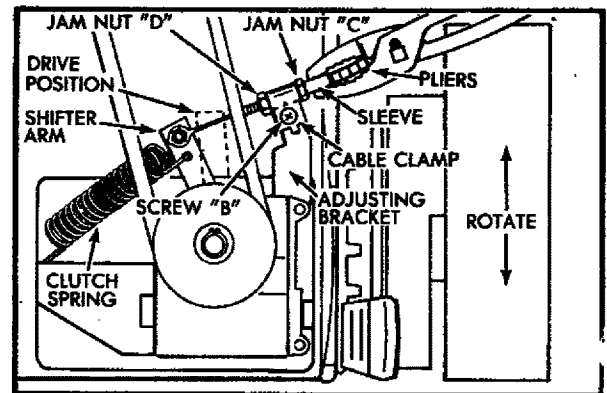


FIG. 22

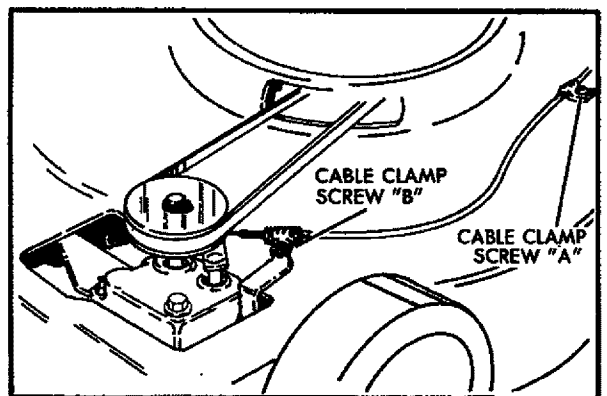


FIG. 23



REMEMBER: Read your Owner's Manual and Rules for Safe Use.

MAINTENANCE (CONT'D)

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 four (4) screws. Keep for re-use (See Fig. 21).
2. Loosen screws holding cable clamp "A" & "B" (See Figs. 22 and 23).
3. Loosen both jam nuts "C" & "D" at the cable clamp on the gear case adjusting bracket (See Fig. 22).
4. Unhook clutch spring from shifter arm (See Fig. 22).
5. Hold, clip, or tape down the drive control bar and engage the drive control (See Fig. 16).
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 gripping and pulling threaded sleeve with pliers as shown in Fig. 22. **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 Fig. 22).
10. Tighten jam nut "D" up to bracket (See Fig. 22).
11. Tighten screw "A" (See Fig. 23).
12. Put clutch spring back in place on shifter arm, removed in step 5 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 four (4) screws (See Fig. 21). 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.

TO ADJUST SPEED SELECTOR CABLE

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

1. While cranking engine with engine control move speed selector lever to (3) high position (See Fig. 17).

NOTE: DISCONNECT THE ENGINE CONNECTOR FROM THE BATTERY TO PREVENT ACCIDENTAL STARTING.

2. Remove the drive cover by removing (4) screws (See Fig. 21).
3. Loosen both jam nuts on cable end (See Fig. 24).
4. Pull on control cable until belt is snug and tighten rear jam nut up to bracket, then turn jam nut (2) full turns.
5. Turn front jam nut up to bracket, then hold the rear jam nut with 1/2" wrench while tightening the front jam nut with a 1/2" wrench (See Fig. 24).
6. Put drive cover back in place, removed in step (2) above.

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, then apply a light coating of dry lubricant such as white graphite. White graphite is available at Sears retail stores and through the catalog. **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. 25).

GEAR CASE: The gear case is filled at the factory and does not require an 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. 26).

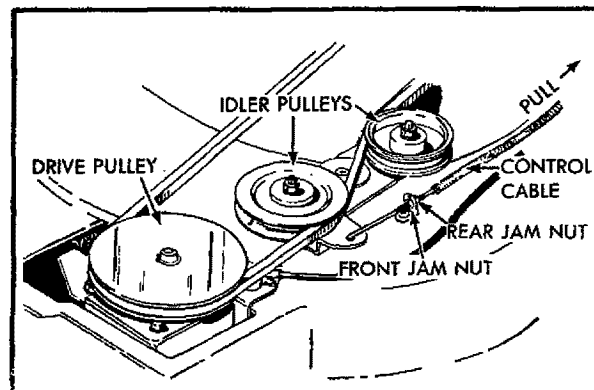


FIG. 24

MAINTENANCE (CONT'D)

IDLER ARM

Put a few drops of same oil used in engine between idler arm and flat washer, once or twice each year (See Fig. 27).

ENGINE START LEVER

Put one or two drops of the same oil used in the engine between the engine start lever and bracket located on left rear of engine (See Fig. 29). Do this once or twice each year.

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 number when ordering.

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

CLEANING

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

CAUTION: The muffler on your engine extends through the mower housing. Allow engine to cool before cleaning underside of mower. Also be careful to not damage the muffler when cleaning the mower.

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 an automobile.

1. On a regular schedule remove the drive cover and remove any trash around gear case and belt area.

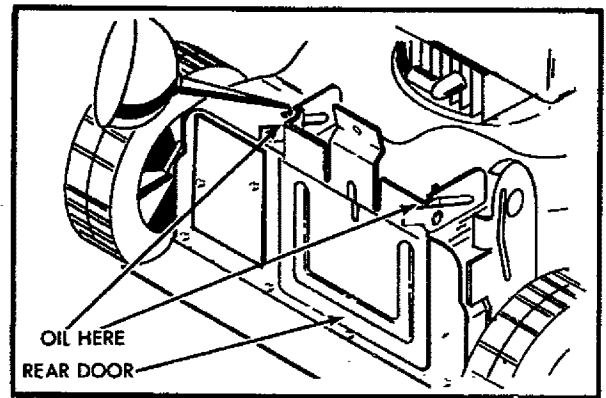


FIG. 25

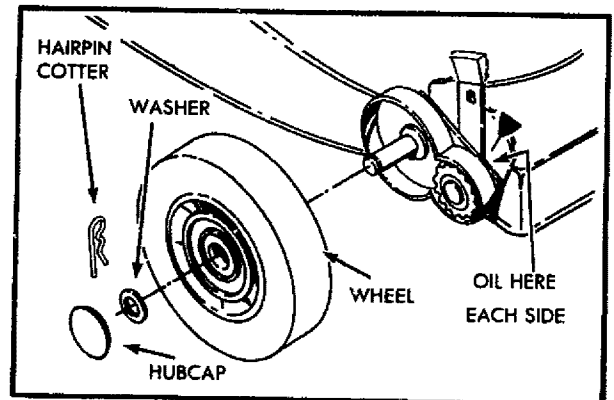


FIG. 26

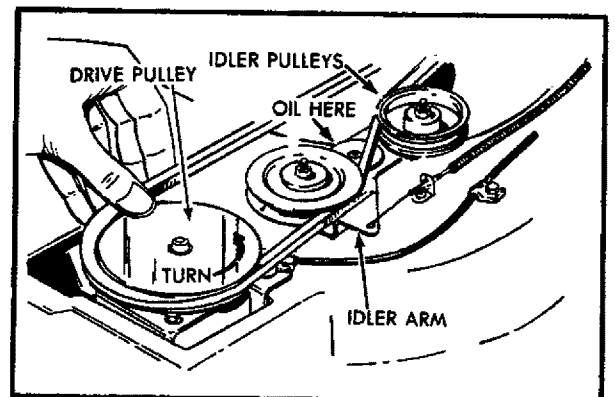


FIG. 27

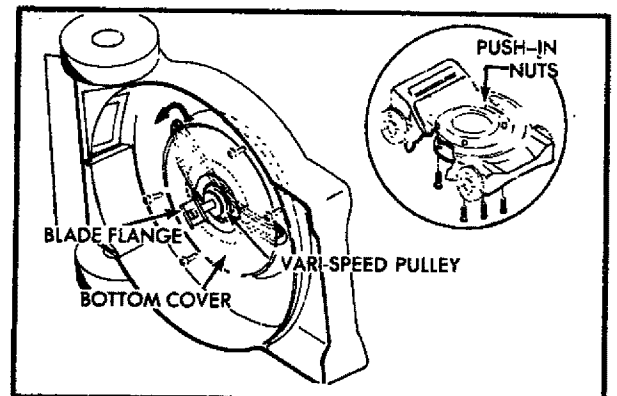


FIG. 28

MAINTENANCE (CONT'D)

GEAR CASE AND DRIVE WHEELS. (CONT'D)

2. To remove drive cover, remove the four (4) screws (See Fig. 21). Keep for re-use.
3. Keep your mower clean and properly lubricated.

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. 26) 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.

TO CHECK AND/TO REPLACE BELT

1. Remove the drive cover by removing the four (4) screws (See Fig. 21).
2. Inspect belt for wear or damage. If you decide to replace:
 - a. Remove belt from drive pulley and remove belt from idler pulleys (See Fig. 27).
3. Turn mower on its side with carburetor up.
4. Loosen and remove the (4) phillips head screws holding bottom cover to underside of mower housing (See Fig. 28).
5. Remove the bottom cover down to rest on top of blade flange.
6. Remove belt from vari-speed pulley on crankshaft, and carefully remove the belt off over bottom cover and blade (See Fig. 28).

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

7. To install new belt, reverse procedure as above in removal.
8. Put bottom cover back up in place and install the (4) screws and tighten.
9. Put drive cover back in place, removed in step (1) above.

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

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. or 0.62 liters. Fill only to the "FULL" line on the dipstick. DO NOT over fill. The first fill on a new engine use about 1 pint or 0.5 liters. 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 10W30 oil or equivalent. SAE 30 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 very dusty, dirty conditions you may need to change the oil more often.

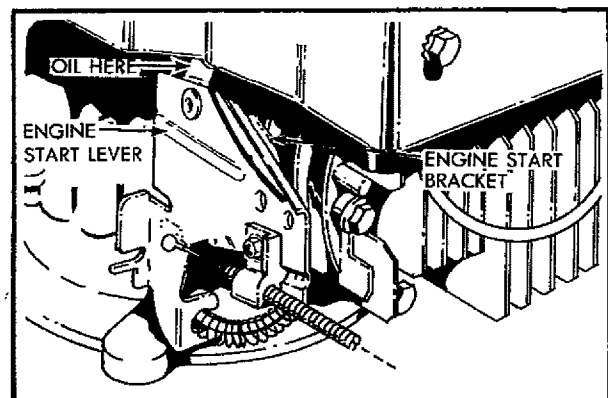


FIG. 29

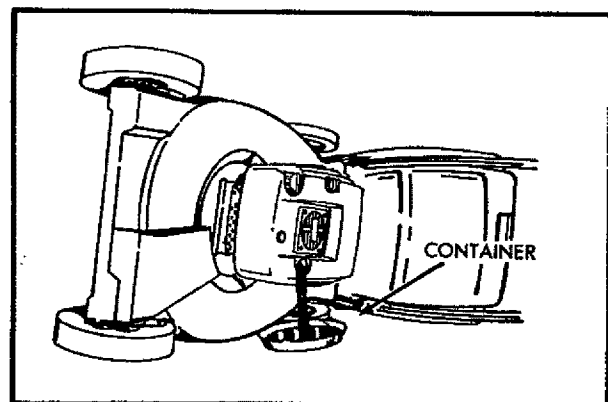


FIG. 30

TO CHANGE OIL

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

1. Remove engine oil cap with dipstick, lay aside on a clean surface. Warm oil drains better.

MAINTENANCE (CONT'D)

TO CHANGE OIL (CONT'D)

2. Tip mower on its side as shown in Fig. 30 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 paper type air filter.

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

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.

BATTERY CARE

To charge battery, DO NOT use any other type battery charger than the charger included with your mower.

NOTE: Additional charging during the mowing season may be necessary.

At the end of the mowing season the battery should be charged for 48 hours to protect the battery during winter storage.

CAUTION: ALWAYS DISCONNECT THE ENGINE FROM BATTERY CONNECTOR, TO PREVENT ACCIDENTAL STARTING MOWER WHEN STORING OR TRANSPORTING YOUR MOWER.

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, clothes dryer, etc.

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

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

Run engine until gasoline tank is empty and engine stops running.

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 10W30 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.

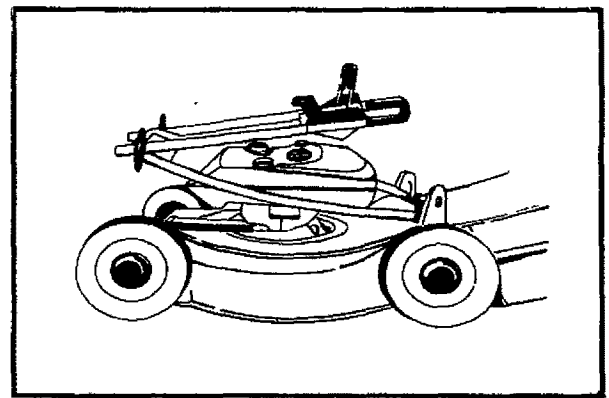


FIG. 31

STORAGE (CONT'D)

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 number when ordering.

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

REPLACE BLADE

See "Blade Care" section under Maintenance. To get the best cutting results we recommend that you replace your blade with a Sears original equipment blade each year.

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.

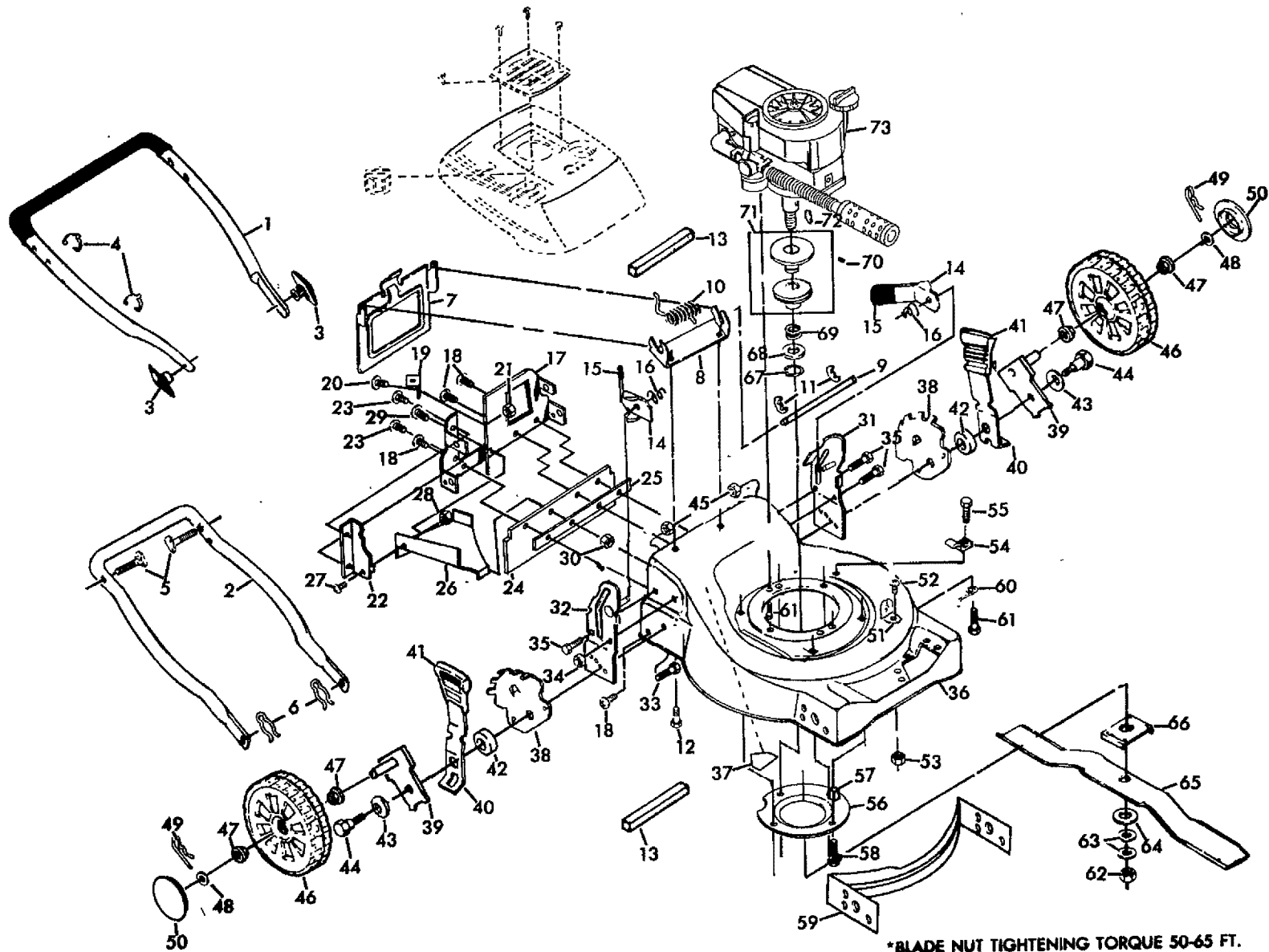
DO NOT store your mower under any plastic cover, plastic cannot breath which promotes condensation and can cause your mower to rust.

HANDLE

You can fold your mower handle for storage (See Fig. 31).

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

LAWN MOWER CARE RECORD			
NOTE: Change Engine Oil after the first two (2) hours of use, and then every 25 hours of use			
	DATE	DATE	DATE
Changed Oil: 10W30 or SAE 30			
Replaced spark plug:			
Replaced air filter:			
Replaced blade:			
Tuned-up:			



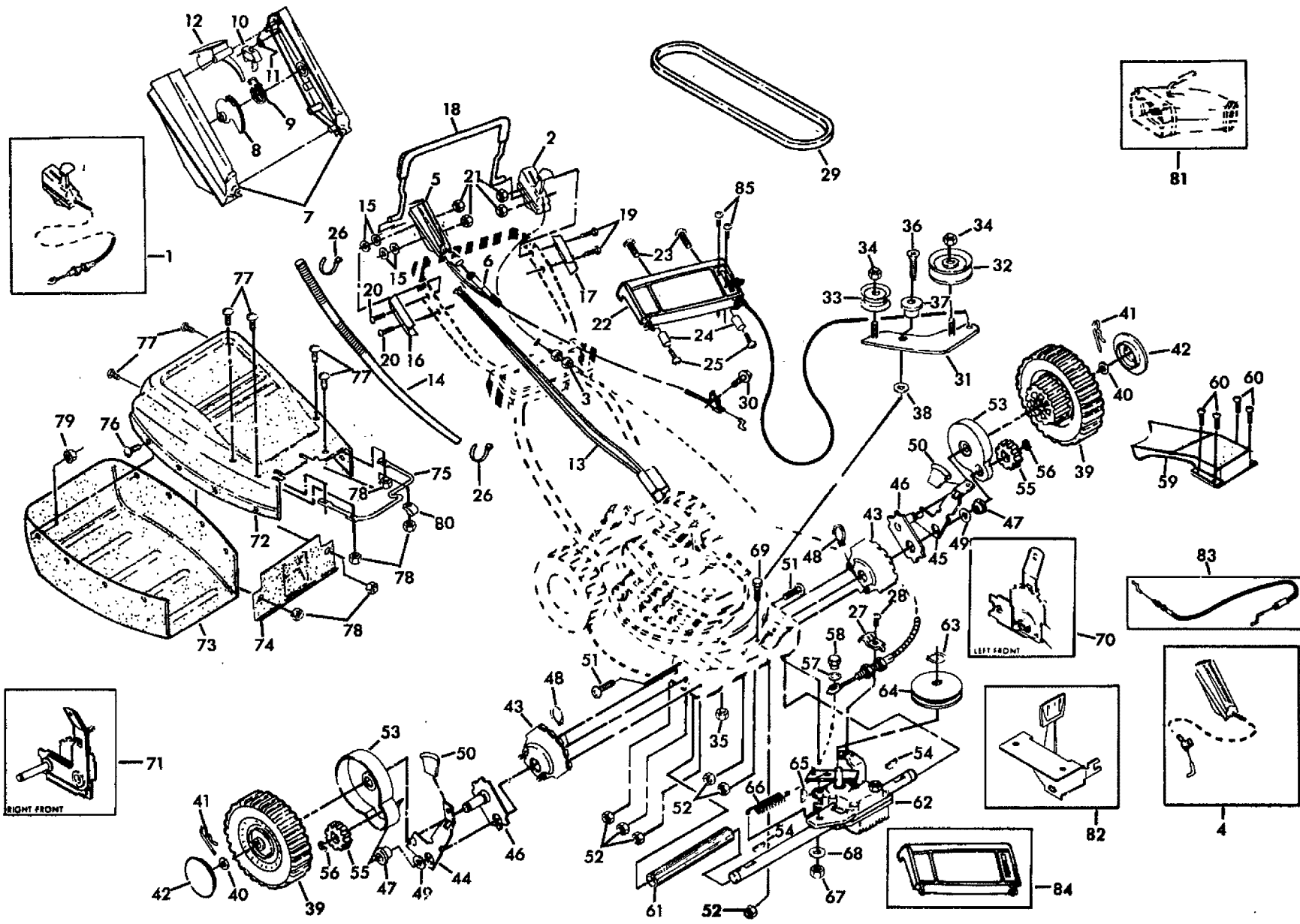
*BLADE NUT TIGHTENING TORQUE 50-65 FT.

CRAFTSMAN .22" POWER-PROPELLED LAWN MOWER MODEL NUMBER 917.374400

REPAIR PARTS

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	85755	Upper Handle	39	86107	Axle Arm Assembly
2	84683	Lower Handle	40	84888	Selector Spring
3	63688	Handle Knob	41	77865	Selector Knob
4	85827	Control Cable Clip	42	84920	Spacer
5	STD523117	Handle Bolt	43	62335	Spring Washer
6	51793	Hairpin Cotter	44	84921	Shoulder Bolt
7	77524	Rear Door	45	74400	Locknut 3/8-16
8	81027	Hinge Bracket	46	86455	Wheel Assembly w/Bearing → <i>I customer Has had</i>
9	77526	Hinge Rod	47	82854	Bearing
10	77527	Spring	48	52160	Washer
11	STD581025	E-Ring	49	55015	Retainer Clip
12	STD512505	Hex Tapping Screw 1/4-20 x 1/2	50	85313	Hub Cap
13	83935	Door Seal	51	85962	Bracket
14	81281	Lever - Handle	52	84083	Screw 1/4-20 x 5/8
15	85535	Lever - Knob	53	63601	Locknut 1/4-20
16	62363	Spring - Lever	54	70385	Cable Clip
17	86412	Back Plate	55	81276	Self-Tapping Screw 10-24 x 1/2
18	STD512505	Hex Self Tapping Screw 1/4-20 x 1/2	56	86002	Bottom Cover
19	85877	Back Plate Bracket	57	86448	Push In Nut
20	STD512505	Hex Head Machine Screw 1/4-20 x 1/2	58	86701	Hex Tapping Screw #10 - <i>was 86675</i>
21	63601	Locknut 1/4-20	59	85283	Front Baffle
22	77514	Side Baffle	60	85948	Belt Guide
23	81283	Hex Self Tap Screw 10-24 x 3/8	61	68205	Hex Head Machine Screw
24	77521	Rear Skirt			5/16-18 x 7/8 (Special)
25	85546	Backing Strip	62	51433	*Locknut 5/8-18 (Special)
26	85354	Discharge Baffle	63	54867	Spring Washer
27	STD511005	Truss Head Screw 10-24 x 1/2	64	69385	Washer
28	69180	Locknut 10-24	65	69334	Blade
29	57917	Hex Head Machine Screw 1/4-20 x 3/4	66	84918	Blade Flange
30	63601	Locknut 1/4-20	67	85947	Retaining Ring
31	86156	Handle Bracket Assembly (Left)	68	85946	Washer
32	86157	Handle Bracket Assembly (Right)	69	85945	Spring
33	66238	Carriage Bolt 5/16-18 x 5/8	70	52828	Set Screw
34	63124	Locknut 5/16-18	71	79982	Pulley Halves Kit (Incl. Ref. #67)
35	55187	Thread Cutting Screw 5/16-18 x 3/4	72	65053	Woodruff Key #6
36	48014	Housing Assembly (Incl. Ref. #17, 18, 19, 20, 21, 22, 23, 37, 59)	73	86101	Engine Assembly 143.364052 (See pages 26 thru 28)
37	85463	Danger Decal			Owners Manual - Parts List
38	69478	Wheel Adjusting Bracket (Rear)		86422	High Wheel Kit (Not Included) 71 33721

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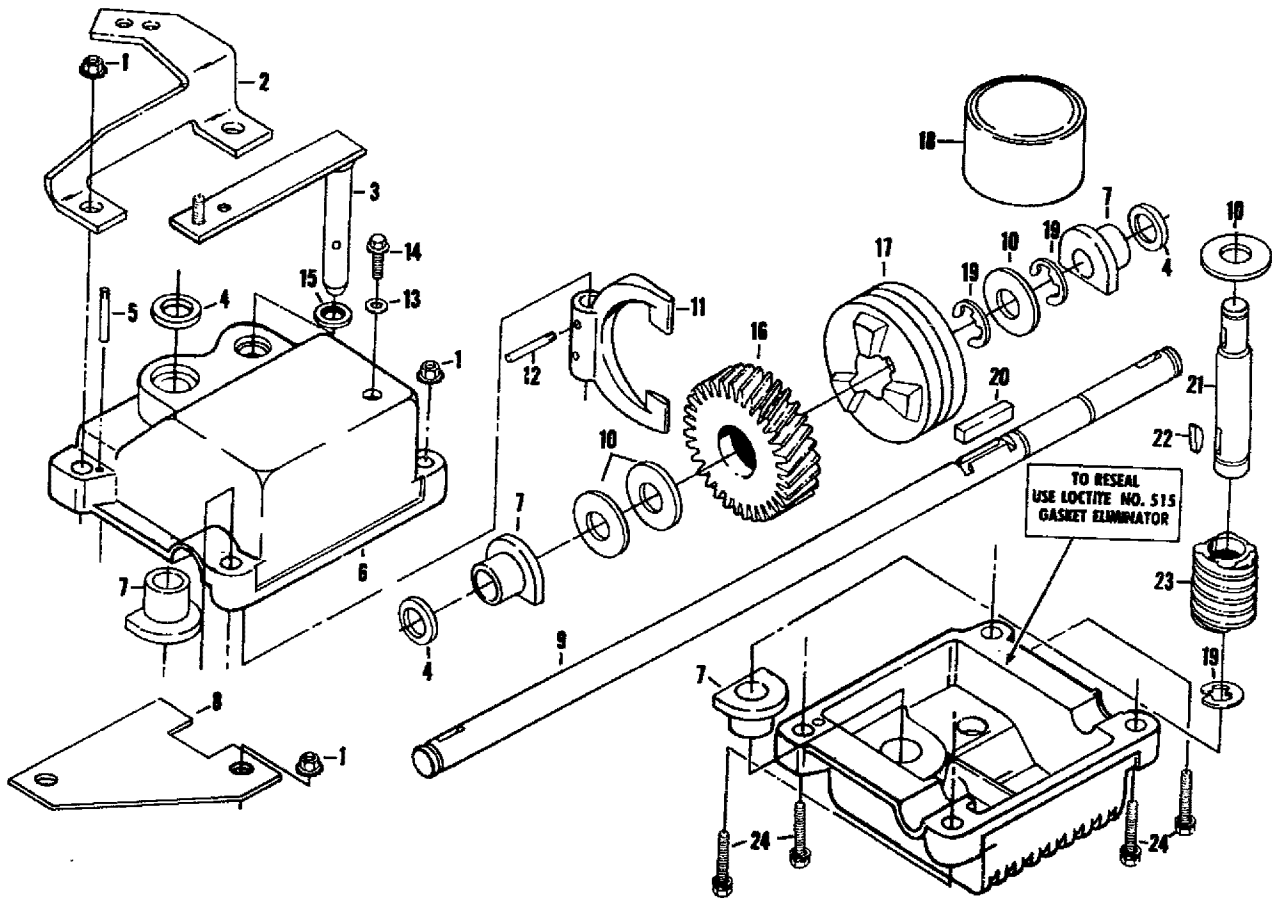


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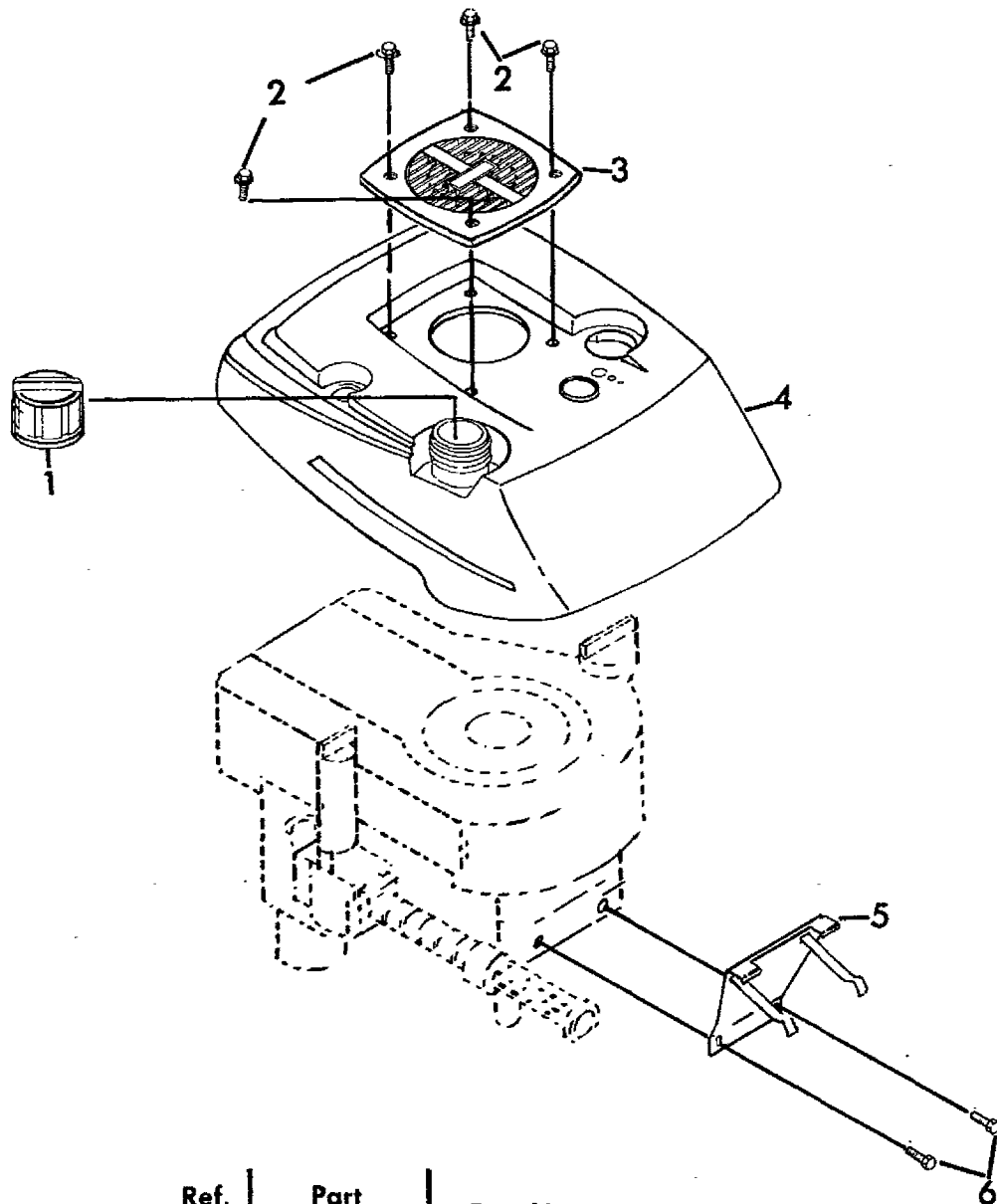
Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	85759	Drive Control	24	85529	Nylon Bushing
2	79875	Drive Control Head Kit	25	85825	Self-Tapping Screw 10-24 x 1
3	79980	Drive Control Cable Kit	26	66426	Wire Tie
4	86339	Engine Control Compl.	27	83700	Clamp
5	48000	Engine Control Head Kit	28	STD601003	Self-Tapping Screw 10-24 x 3/8
6	48001	Engine Control Cable Kit	29	85954	V-Belt 3L
7	48002	Engine Control Halves Kit	30	83813	Hex Head Screw 10-32 x 5/16
8	86643	Actuator Cam	31	86027	Idler Arm Assembly
9	86642	Actuator Spring	32	75672	V-Belt Idler
10	86644	Starter Switch	33	75673	Flat Idler
11	86645	Starter Switch Spring	34	STD541537	Locknut 3/8 - 24
12	86646	Starter Button	35	68478	Locknut 5/16-18
13	86647	Wire Assembly	36	58962	Screw 5/16-18 x 3/4
14	86648	Sleeve - Engine Control	37	75675	Idler Bearing
15	85723	Washer	38	75674	Flat Washer
16	85690	Control Cap - Right	39	86691	Wheel & Tire Assembly 8.00 <i>was 86528</i>
17	85691	Control Cap - Left	40	52160	Washer
18	85548	Control Bar	41	55015	Retainer Clip
19	85692	Machine Screw 1/4-20 x 2	42	77400	Hub Cap
20	86055	Machine Screw 1/4 - 20 x 2 1/4	43	86275	Wheel Adjusting Bracket
21	53490	Locknut 1/4-20	44	77862	Selector Spring (Right)
22	86591	Remote Control Panel Compl.	45	77861	Selector Spring (Left)
23	78090	Self-Tapping Screw 10-24 x 3/4	46	77858	Axle Arm Assembly

REPAIR PARTS (CONT'D)

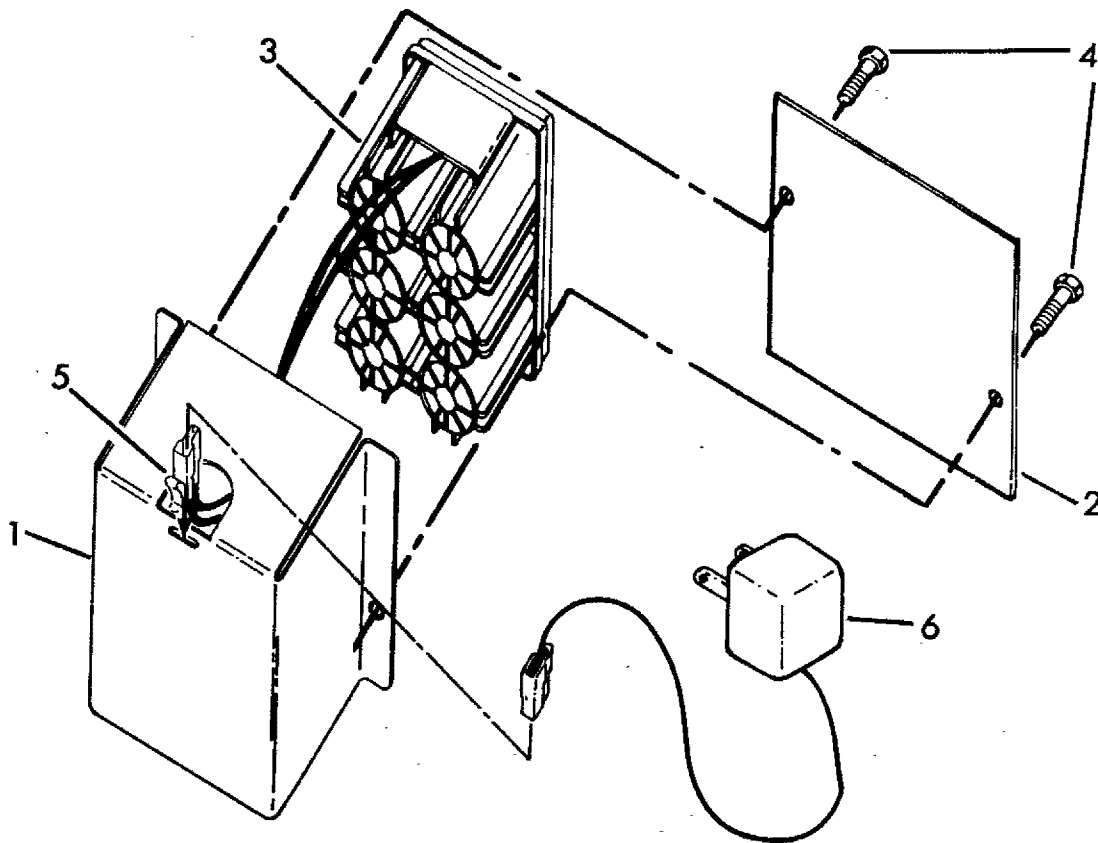
Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
47	86273	Spacer Bearing	70	79994	Wheel Adjuster Assembly (Left)
48	STD582087	Retaining Ring	71	79995	Wheel Adjuster Assembly (Right)
49	86274	Spring Washer	72	85428	Catcher Top
50	77865	Selector Knob	73	84164	Catcher Bottom
51	61528	Flat Head Machine Screw 1/4-20 x 3/4	74	83548	Catcher Baffle
52	63601	Locknut 1/4-20	75	84806	Catcher Frame
53	76401	Dust Cover	76	12024	Truss Head Machine Screw 1/4-20 x 5/8
54	STD580014	Woodruff Key #3	77	83555	Truss Head Machine Screw 10-24 x 5/8
55	74507	Pinion	78	69180	Locknut 10-24
56	STD581050	E-Ring	79	53838	Keys Nut 1/4-20
57	81612	Lockwasher	80	83553	Clamp
58	81220	Shoulder Nut	81	85878	Clipping Deflector Accessory (Not Included w/Mower)
59	85963	Drive Cover	82	86593	Control Bracket Assembly
60	77828	Pan Head Machine Screw 10-24 x 1/2	83	48013	Cable Assembly
61	86012	Drive Shaft Tube	84	86592	Remote Control Panel
62	79949	Gear Case Replacement Kit	85	77828	Tapping Screw
63	74976	Retaining Ring			Grass Catcher Complete- <u>7133463</u> (Not Included)
64	85950	Drive Pulley			High Wheel Kit No. <u>7133721</u> (Not Included)
65	STD580009	Woodruff Key #213			Instruction Decal <i>added Rev #1</i>
66	75192	Spring			
67	68038	Locknut 1/4-20			
68	81206	Spacer			
69	STD522515	Hex Head Bolt 1/4-20 x 1 1/2	86	86408	



Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	53838	Locknut 1/4-20	14	81377	Hex Washer Head Machine Screw 3/8-16 x 3/8"
2	85178	Adjusting Bracket	15	81337	Seal - Shifter
3	83488	Shifter Assembly	16	83659	Helical Gear
4	57072	Seal	17	75424	Jaw Clutch
5	57388	Driv-Lok Pin 1/8" x 1/2"	18	58354	Grease (1 lb. can - Shell Darina AX)
6	79899	Gear Case Halves (Incl. Upper and Lower Halves)	19	STD581050	E-Ring - 1/2 Shaft
7	77881	Bearing	20	83684	Square Key
8	77039	Spring Bracket	21	83720	Worm Shaft
9	79946	Drive Shaft Kit	22	65692	Woodruff Key #3
10	57079	Thrust Washer	23	83680	Worm
11	75144	Yoke - Clutch	24	STD522512	Hex Head Machine Screw 1/4-20 x 1 1/4"
12	53912	Driv-Lok Pin 1/8" x 5/8"			
13	81203	Washer, Non-Metallic			



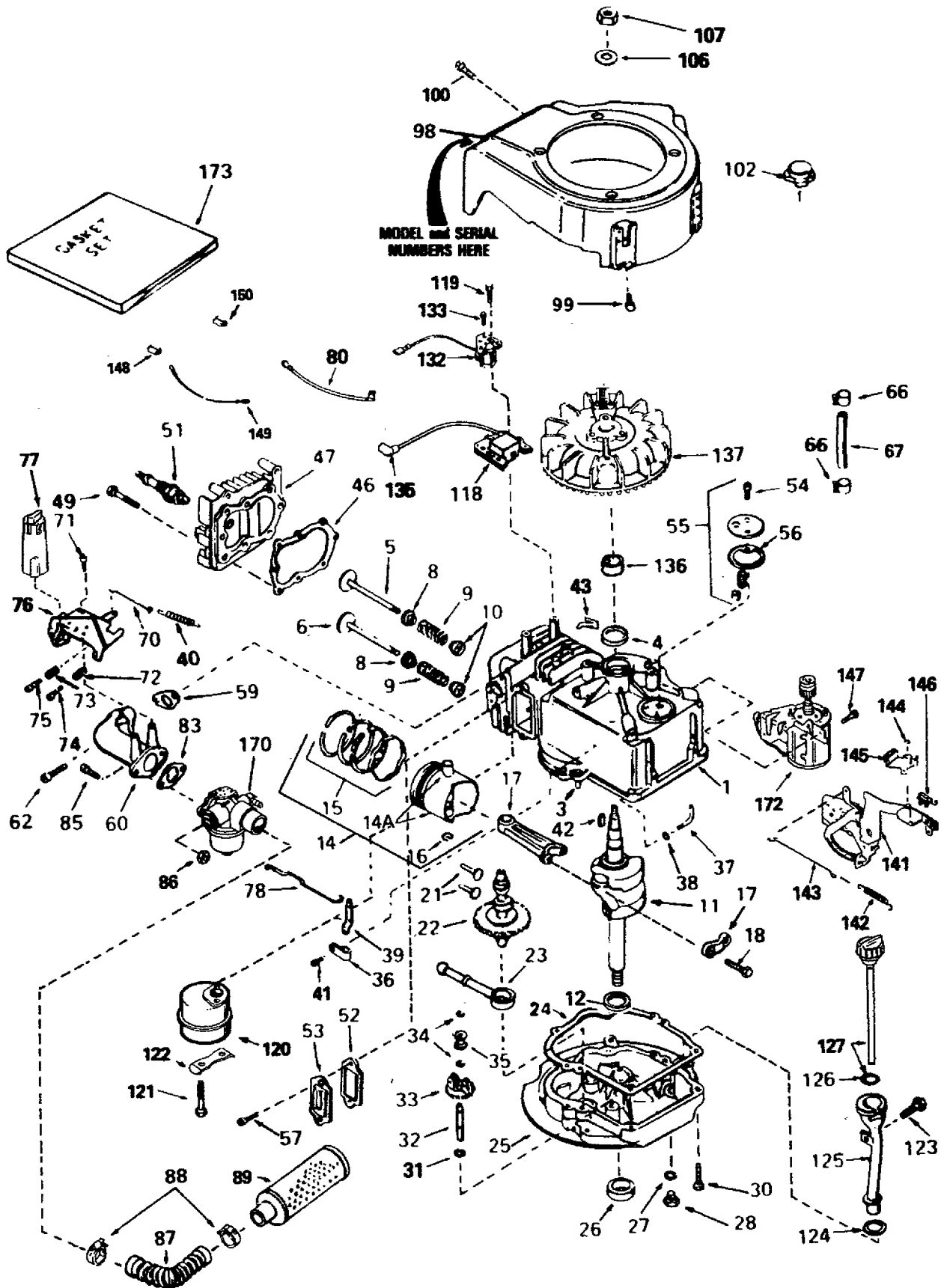
Ref. No.	Part No.	Part Name
1	35355	Gas Cap (Order From Source 143)
2	86532	Acorn Hex Washer Head Screws #10-24 x 5/8
3	86345	Shroud Grill
4	86454	Shroud / Tank Assembly
5	86661	Tank Bracket Assembly
6	86399	Hex Head Tapping Screw 1/4-20 x 1/2



Ref. No.	Part No.	Part Name
1	86335	Battery Bracket
2	86338	Battery Cover
3	86336	Battery
4	86344	Slotted Hex Head Screw 10-24 x 1/2
5	86353	Connector Mounting Clip
6	86342	Battery Charger

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.364052



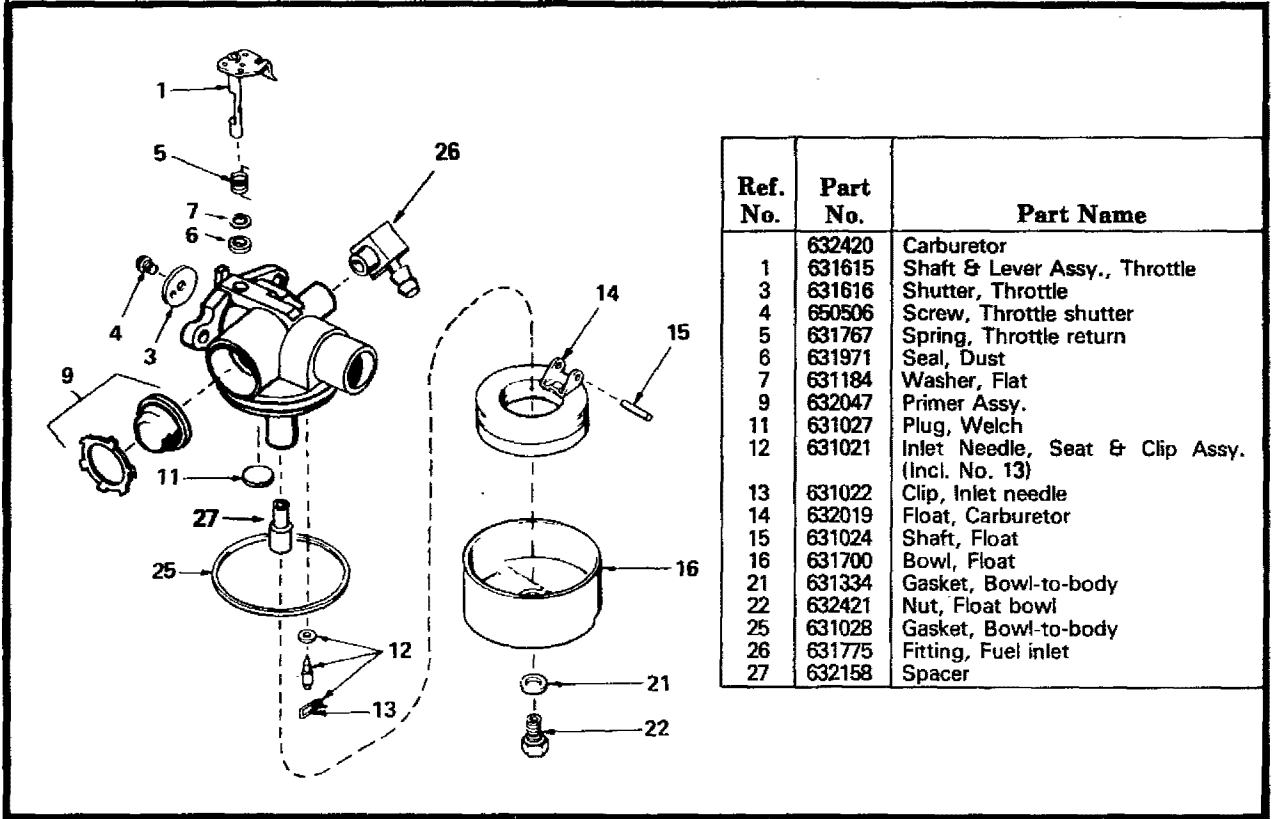
CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.364052

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	35180	Cylinder Assy. (Incl. Nos. 3 & 4)	67	34357	Line, Fuel
3	26727	Pin, Dowel	70	34337	Link, Governor spring
4	32600	Seal, Oil	71	30200	Screw, Hex washer hd. Sems, self-tapping, 10-24 x 9/16
5	29314B	Valve, Intake (Std.) (Incl. No. 10)			Spring, Compression
5	29315C	Valve, Intake (1/32" oversize) (Incl. No. 10)	72	33802	Spring, Compression
6	29313C	Valve, Exhaust (Std.) (Incl. No. 10)	73	31342	Screw, Fil. hd., 6-32 x 17/32
6	29315C	Valve, Exhaust (1/32" oversize) (Incl. No. 10)	74	650777	Screw, Fil. hd., 5-40 x 7/16
8	31671	Cap, Upper valve spring	75	650549	Control Assy., Speed (Incl. Nos. 72, 73, 74 & 75)
9	31672	Spring, Valve	76	33970A	Knob, Speed control
10	31673	Cap, Lower valve spring	77	35369	Link, Governor-to-throttle
11	35175	Crankshaft	78	35364	Wire, Ground
12	32323	Washer, Thrust	80	34961	Gasket, Carburetor
14	34851	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 14A, 15 & 16)	83	*26756	Screw, Hex hd., 1/4-28 x 7/8
14	34852	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 14A, 15 & 16)	85	6201	Nut & Lockwasher, 1/4-28
14	34853	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 14A, 15 & 16)	86	29752	Tube, Air cleaner
14A	32603B	Piston & Pin Assy. (Std.) (Incl. No. 16)	87	35367	Clamp, Air cleaner
14A	32604B	Piston & Pin Assy. (.010 oversize) (Incl. No. 16)	88	35068	Filter, Air cleaner
14A	32605B	Piston & Pin Assy. (.020 oversize) (Incl. No. 16)	89	32796	Housing, Blower
15	34854	Ring Set, Piston (Std.)	98	35366	Screw, Hex washer hd. Powerlok thread, 1/4-20 x 1/2
15	34855	Ring Set, Piston (.010 oversize)	99	650831	Screw, Hex washer hd. Sems, self-tapping, 10-24 x 9/16
15	34856	Ring Set, Piston (.020 oversize)	100	30200	Cap, Fuel tank
16	20381	Ring, Piston pin retaining	102	35355	Washer, Belleville
17	30963B	Rod Assy., Connecting (Incl. No. 18)	106	650815	Nut, Flywheel
18	32610A	Screw, Connecting rod	107	650816	Solid State Assy.
21	27241	Lifter, Valve	118	34443A	Screw, Hex hd. Sems, 10-24 x 1
22	33553	Camshaft (Mech. Compression Release)	119	650814	Muffler
23	29914	Pump Assy., Oil	120	35172	Screw, Hex hd., 1/4-20 x 2-3/4
24	*35261	Gasket, Mounting flange	121	650869	Plate, Lock
25	35362	Flange Assy., Mounting (Incl. Nos. 26, 27, 28 & 32)	122	35171	Screw, Hex washer hd. shake-proof, 10-32 x 1/2
26	27897	Seal, Oil	123	650562	Gasket, Fill tube
27	*28833	Gasket, Oil drain plug	124	34265	Tube Assy., Oil filler
28	30572	Plug, Oil drain	125	34380	"O" Ring
30	650488	Screw, Hex hd. Sems, 1/4-20 x 1-1/4	126	33590	Dipstick, Oil (Incl. No. 126)
31	30590A	Washer, Flat	127	35368	Coil Assy., Alternator
32	30574	Shaft, Mechanical governor	132	35365	Screw, Hex hd. Sems taptite, 8-32 x 5/8
33	30591	Gear Assy., Governor (Incl. No. 31)	133	650767	Cover, Spark plug
34	29193	Ring, Retaining	135	610118	Spacer, Flywheel key
35	30588A	Spool, Governor	136	34080	Flywheel
36	31335	Clamp, Governor lever	137	611044	Bracket Assy., Brake
37	30589	Rod, Governor (Incl. No. 38)	141	35015	Spring, Extension
38	28277	Washer, Flat	142	34965	Link, Control
39	31383A	Lever, Governor	143	34966	Ring, Retaining
40	31361	Spring, Governor	144	32309	Lever, Brake
41	650548	Screw, Hex washer hd., 8-32 x 5/16	145	34968	Terminal Assy.
42	611004	Key, Flywheel (Solid State)	146	610973	Screw, Hex washer hd. Powerlok thread, 1/4-20 x 1/2
43	29443	Clip, Spring	147	650831	Connector, Double wire
46	*33015	Gasket, Cylinder head	148	34977	Wire, Ground
47	34342	Head, Cylinder	149	35356	Connector Body
49	6021A	Screw, Hex flange hd., 5/16-18 x 1-1/2	150	610921	Carburetor (Incl. No. 83)
51	35078	Plug, Spark (Autolite 458, Champion J-19LM or equivalent)	170	632420	Motor, Electric Starter
52	*27234	Gasket, Valve spring cover	172	34934	Gasket Set (Incl. items marked *)
53	32755	Cover, Valve spring box	173	33236B	
54	30200	Screw, Hex washer hd. Sems, self-tapping, 10-24 x 9/16			
55	34215	Breather Assy. (Incl. Nos. 54 & 56)			
56	*32760	Gasket, Breather			
57	650128	Screw, Fil. hd. Sems, 10-24 x 1/2			
59	*34690	Gasket, Intake pipe			
60	35363	Pipe, Intake			
62	650451	Screw, Hex hd. Sems, 1/4-20 x 1			
66	26460	Clamp, Fuel line			

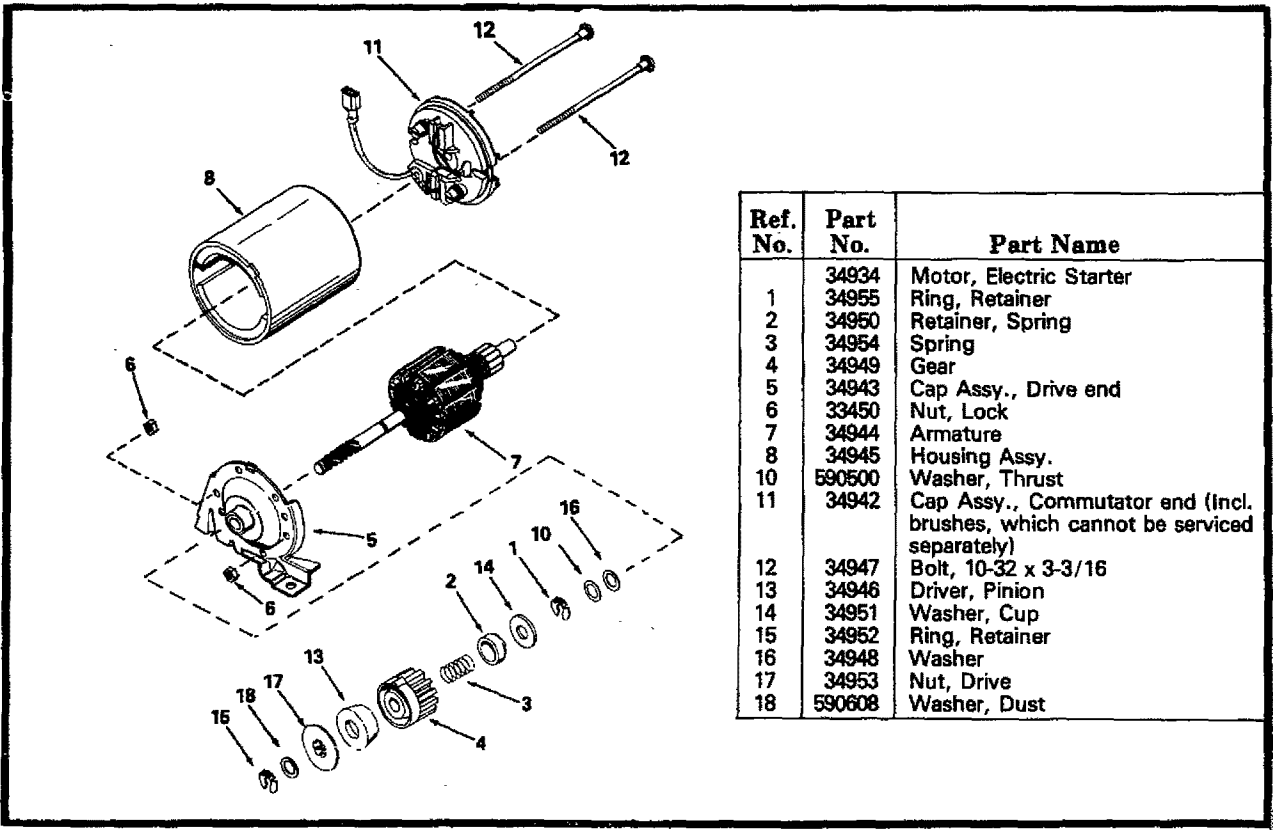
*Indicates Parts Included in Gasket Set, Ref. No. 173.

CARBURETOR NO. 632420



Ref. No.	Part No.	Part Name
	632420	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	632421	Nut, Float bowl
25	631028	Gasket, Bowl-to-body
26	631775	Fitting, Fuel inlet
27	632158	Spacer

ELECTRIC STARTER MOTOR NO. 34934



Ref. No.	Part No.	Part Name
	34934	Motor, Electric Starter
1	34955	Ring, Retainer
2	34950	Retainer, Spring
3	34954	Spring
4	34949	Gear
5	34943	Cap Assy., Drive end
6	33450	Nut, Lock
7	34944	Armature
8	34945	Housing Assy.
10	590500	Washer, Thrust
11	34942	Cap Assy., Commutator end (Incl. brushes, which cannot be serviced separately)
12	34947	Bolt, 10-32 x 3-3/16
13	34946	Driver, Pinion
14	34951	Washer, Cup
15	34952	Ring, Retainer
16	34948	Washer
17	34953	Nut, Drive
18	590608	Washer, Dust

TROUBLE SHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Does not Start	<ol style="list-style-type: none"> 1. Out of gasoline. 2. "Stale Gasoline." 3. Spark plug wire is disconnected from the spark plug. 4. Bad spark plug. 5. Water in gasoline. 6. Loose blade or broken blade flange. 7. Zone/Engine control in released position. 8. Zone/Engine control defective. 	<ol style="list-style-type: none"> 1. Fill gasoline tank. 2. Drain gas tank and refill with fresh gasoline. 3. Connect wire to spark plug. 4. Replace spark plug. 5. Drain tank and refill with fresh, clean gasoline. 6. Tighten blade nut and/or replace blade flange. 7. Depress control bar. 8. Replace Zone/Engine control.
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. 	<ol style="list-style-type: none"> 1. Raise rear of mower housing one (1) setting. 2. Set in "Higher Cut" position. 3. Replace air filter. 4. Disconnect spark plug wire, and clean underside of mower housing.
Poor cut- Uneven	<ol style="list-style-type: none"> 1. Worn or bent blade. 2. Wheel heights uneven. 	<ol style="list-style-type: none"> 1. Replace blade. 2. Set all wheels at same height.
Too much Vibration	<ol style="list-style-type: none"> 1. Worn or bent blade. 2. Loose blade. 	<ol style="list-style-type: none"> 1. Replace blade. 2. Tighten blade nut.
Catcher not Filling Completely	<ol style="list-style-type: none"> 1. Cutting height too low. 2. Lift on blade worn off. 3. Catcher dirty, poor air venting. 	<ol style="list-style-type: none"> 1. Raise cutting height. 2. Replace blade. 3. Clean/replace catcher.

SEARS

SERVICE is at YOUR SERVICE

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

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.
917.374400

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 - **917.374400**
4. The NAME OF THE PRODUCT - **CRAFTSMAN 22" POWER-PROPELLED LAWN MOWER**
5. The ENGINE MODEL NUMBER - **143.364052**

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.

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