

SEARS

CRAFTSMAN®

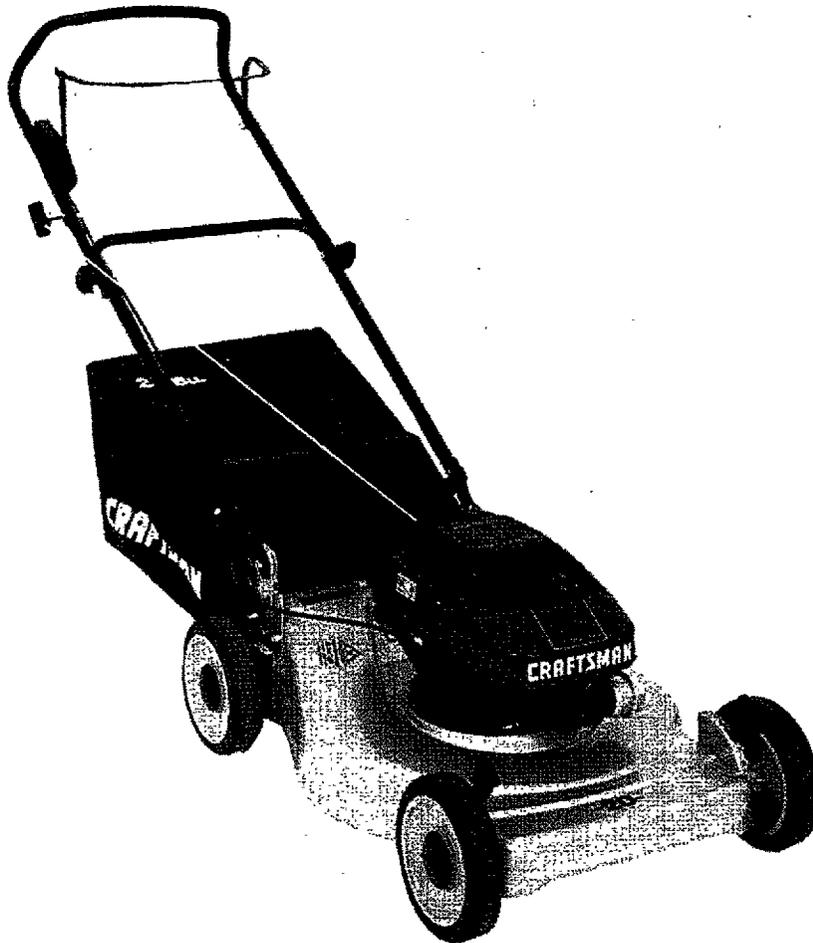
MODEL NUMBER 917.383340

OWNER'S MANUAL

- **Assembly**
- **Operation**
- **Maintenance**
- **Service**
- **Adjustments**
- **Repair Parts**

Caution:

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



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

SAFETY RULES



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



IMPORTANT

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

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



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

CONGRATULATIONS on your purchase of a Sears Craftsman Lawn Mower. It has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

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

<p>MODEL NUMBER 917.383340</p> <p>SERIAL NUMBER _____</p> <p>DATE OF PURCHASE _____</p> <p>THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A DECAL ATTACHED TO THE REAR OF THE LAWN MOWER HOUSING.</p> <p>YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.</p>
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PRODUCT SPECIFICATIONS

HORSE POWER:	4.0
DISPLACEMENT:	10.49 cu. in.
GASOLINE CAPACITY:	1.0 quart (Unleaded)
OIL (21 oz. Capacity):	SAE 30 or (SAE 10W30)
SPARK PLUG (GAP .030 in.):	Champion RJ19-LM or Sears 71 33312 or STD 361458
VALVE CLEARANCE:	Intake: .008 in. Exhaust: .008 in.
SOLID STATE IGNITION AIR GAP:	.0125 in.
BLADE BOLT TORQUE:	35-40 ft.-lbs.

MAINTENANCE AGREEMENT

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

CUSTOMER RESPONSIBILITIES

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

TWO YEAR LIMITED WARRANTY ON CRAFTSMAN POWER MOWER

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

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

This warranty does not cover:

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

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

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

Sears, Roebuck and Company, D/731CR-W, Sears Tower, Chicago, IL 60684

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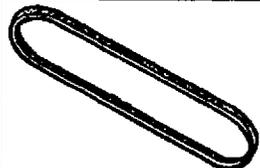
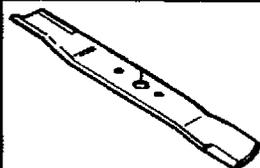
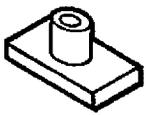
LAWN MOWER ACCESSORIES

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

ENGINE

SPARK PLUG 	MUFFLER 	AIR FILTER 	GAS CAN 	ENGINE OIL 	STABILIZER 
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LAWN MOWER MAINTENANCE

BELT 	BLADE 	BLADE ADAPTER 	WHEELS 	LAWN MOWER COVER 
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ASSEMBLY

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

TO REMOVE LAWN MOWER FROM CARTON

- Cut down the corners of the carton and lay ends and sides down.
- Cut the plastic wrapping and remove from over handles and lawn mower.
- Remove loose parts if included with lawn mower, (i.e. grass catcher, catcher frame, hardware pack, etc.).
- Roll lawn mower out of carton and check carton thoroughly for loose parts.

HOW TO SET-UP YOUR LAWN MOWER

TO UNFOLD HANDLE

Remove any packing material from around control bar.

- Raise lower handle section until it is in the upright storage detents (See Figs. 1 & 2).
- Raise upper handle section until it is in-line with lower handle and tighten one handle knob.
- Lower the entire handle assembly to the mowing position and engage the height adjustment links onto the handle bracket pins (See Fig. 2). See "Adjust Handle" section, page 13 to select the most comfortable mower handle position.

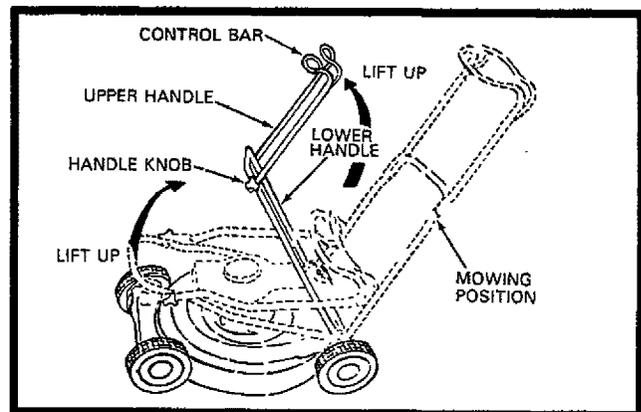


FIG. 1

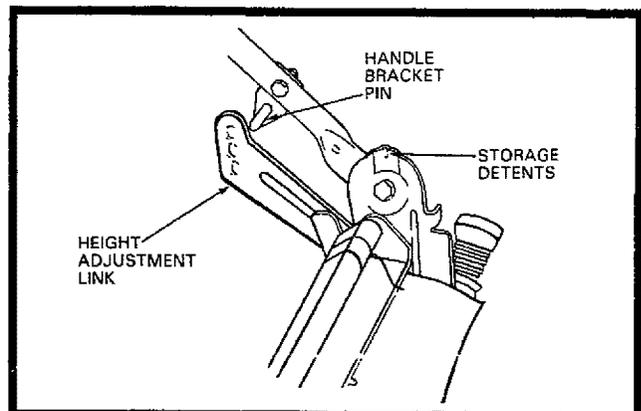


FIG. 2

ASSEMBLY

TO UNFOLD HANDLE (CONT'D)

- Your Lawn Mower has been shipped with Protective Handle Pads placed between the upper and lower sections of the handle. For best lawn mower performance these Pads need to be discarded after the handle is placed in the mowing position.
- Once the Handle is in the mowing position, remove the Handle Knob, Handle Bolt and Protective Pad from the side with the loose Handle Knob. (Make sure the other side is tight to support the Upper Handle).
- Discard the Pad and reinstall the Handle Bolt and Knob--Tighten securely.
- Loosen and remove the Handle Knob, Handle Bolt and Protective Pad from the other side and discard the Pad.
- Reinstall the Handle Bolt and Knob-- Tighten securely. Now your handles should be clamped together without the protective pads.

TO ASSEMBLE & ATTACH GRASS CATCHER

- Put grass catcher frame into grass bag with stiff part of bag on the bottom (See Fig. 3). Make sure the frame handle is outside of the bag top.
 - Slip vinyl bindings over frame (See Fig. 3).
- NOTE:** If vinyl bindings are too stiff, hold them in warm water for a few minutes. If bag gets wet, let it dry before using.
- Lift the rear door of the lawn mower and place the catcher frame side hooks onto the handle bracket hooks (See Fig. 4).
 - The grass catcher is secured to the lawn mower housing when the rear door is lowered onto the grass catcher frame.

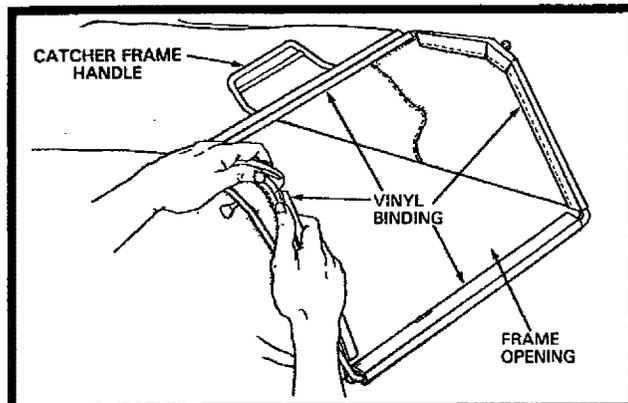


FIG. 3

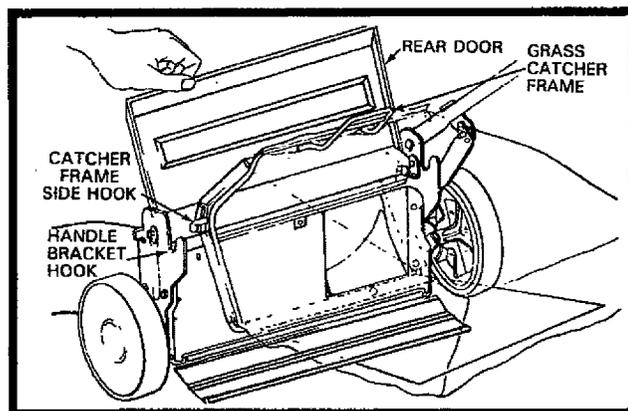


FIG. 4



CAUTION: DO NOT RUN YOUR LAWN MOWER WITHOUT CLIPPING DEFLECTOR OR APPROVED GRASS CATCHER IN PLACE. NEVER ATTEMPT TO OPERATE THE LAWN MOWER WITH THE REAR DOOR REMOVED OR PROPPED OPEN.

OPERATION

KNOW YOUR LAWN MOWER

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

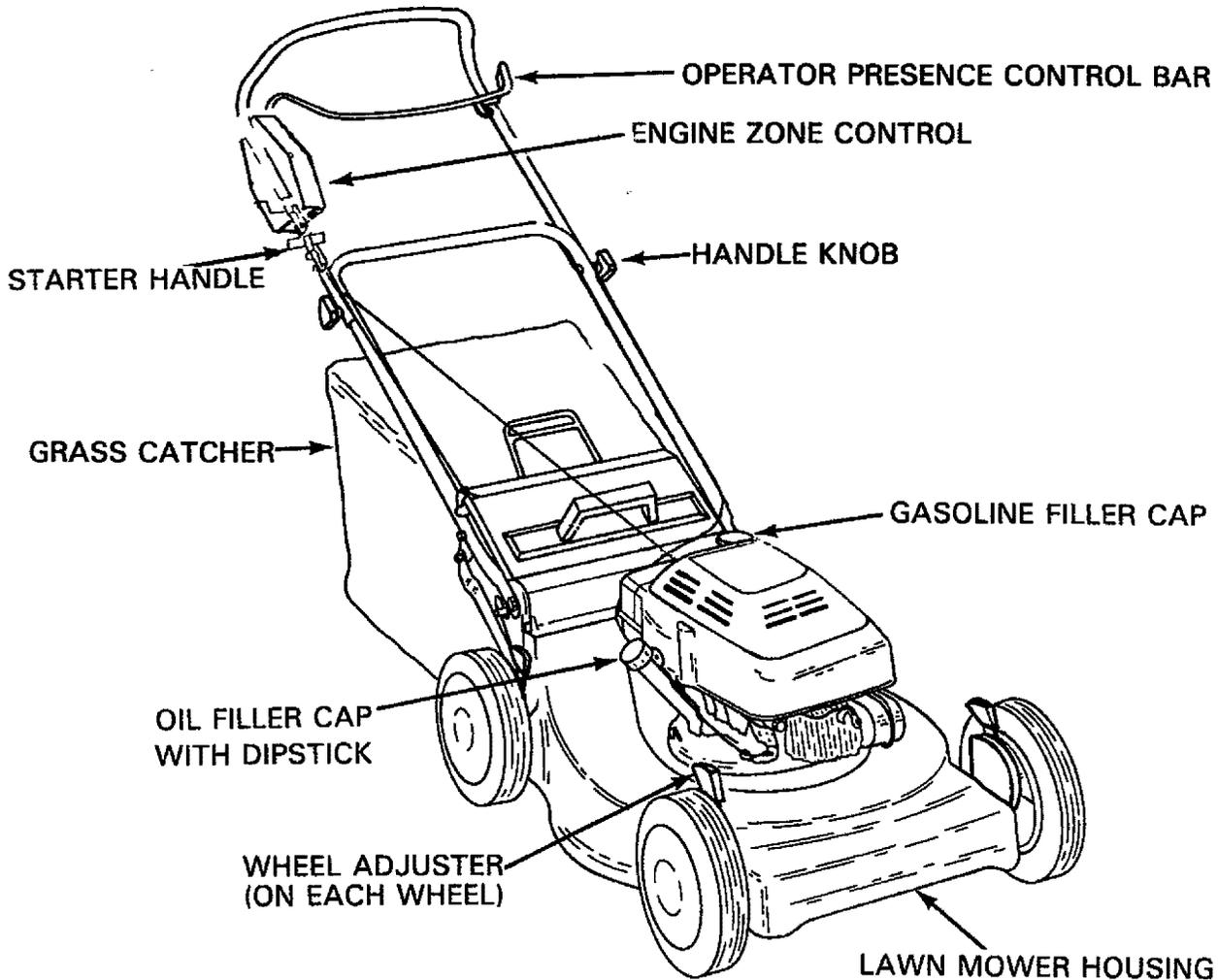


FIG. 5

MEETS CPSC SAFETY REQUIREMENTS

Sears Rotary Walk-Behind Power Lawn Mowers conform to the safety standards of the American National Standards Institute and the U.S. Consumer Product Safety Commission. The blade turns when the engine is running.

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

STARTER HANDLE - used for starting the engine.

OPERATION

HOW TO USE YOUR LAWN MOWER

ENGINE SPEED CONTROL

The engine speed is controlled by a lever (red knob) located on the left side of the engine. "HIGH" position is for starting engine, normal cutting and better grass bagging. "LOW" position is for light cutting, trimming and fuel economy (See Fig. 6).

ENGINE ZONE CONTROL



CAUTION: FEDERAL REGULATIONS REQUIRE AN ENGINE CONTROL TO BE INSTALLED ON THIS LAWN MOWER IN ORDER TO MINIMIZE THE RISK OF BLADE CONTACT INJURY. DO NOT UNDER ANY CIRCUMSTANCES ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR CONTROL. THE BLADE TURNS WHEN THE ENGINE IS RUNNING.

- Your Lawn Mower is equipped with an Operator Engine Control Bar which requires the operator to be positioned behind the lawn mower handle to start and operate the lawn mower.

TO EMPTY GRASS CATCHER

- To remove grass catcher, release operator presence control bar to stop engine.
- Lift up rear door and remove the grass catcher by the handle.
- Empty by shaking catcher with open end downwards (See Fig. 7).
- Do not drag the bag when emptying; it will cause unnecessary wear.

TO ADJUST CUTTING HEIGHT

- Raise wheels for low cut and lower wheels for high cut.
- Wheels are set in a low cut for shipping. Adjust cutting height to suit your requirements. Medium position is best for most lawns.
- To change cutting height, squeeze adjuster lever toward wheel. Move wheel up or down to suit your requirements. Be sure all wheels are in the same setting (See Fig. 8).

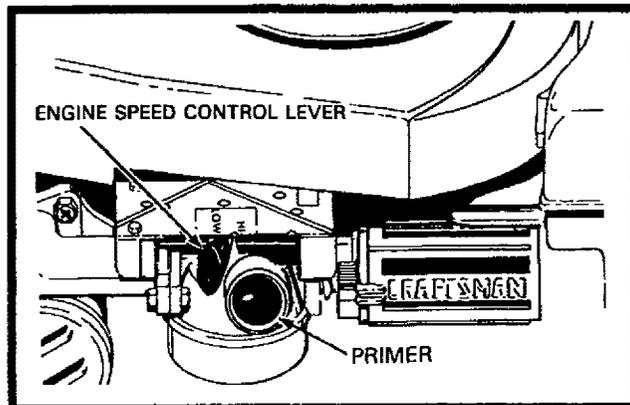


FIG. 6

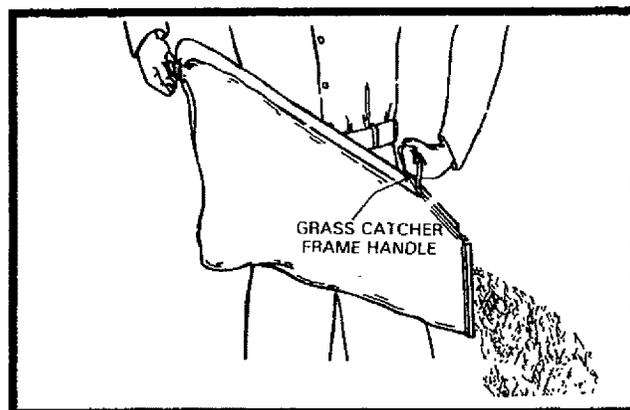


FIG. 7

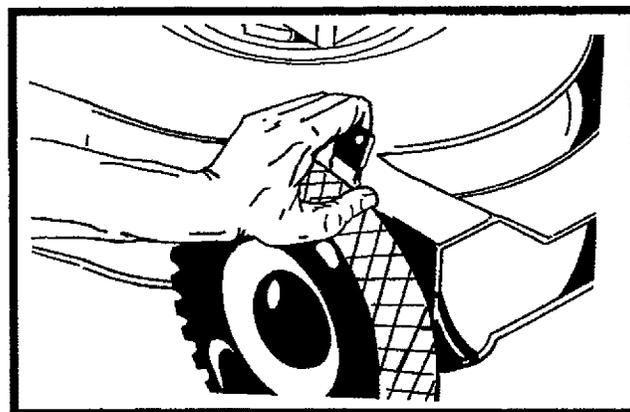


FIG. 8

OPERATION

BEFORE STARTING ENGINE

OIL:

A 20 oz. bottle of Pennzoil SAE 30 Oil is included with your new lawn mower.

- Remove engine oil cap with dipstick (See Fig. 9) and fill to the FULL line on the dipstick.
- Use 20 ozs. of SAE 30 oil. SAE 10W 30 oil can also be used. DO NOT use SAE 10W 40 oil.
- POUR OIL SLOWLY. DO NOT OVER FILL.
- Check oil level before each use. Add oil if needed. Fill to FULL line on dipstick.
- To read proper level, tighten engine oil cap each time.
- Replace engine oil cap and tighten.
- After the first two (2) hours of mowing, change the oil, and every 25 hours thereafter. You may need to change the oil more often under dusty, dirty conditions.

GAS:

- Fill gasoline tank with fresh, clean unleaded gasoline. DO NOT USE PREMIUM GASOLINE. BE CAREFUL NOT TO OVERFILL TANK (SEE FIG. 9).

WARNING: Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage for 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information.

Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

TO START ENGINE

- To start a cold engine, push Primer five (5) times before trying to start. Use a firm push. This step is not usually necessary when starting an engine which has already run for a few minutes.
- Push Engine Speed Control Lever forward to HIGH position.
- Hold Operator Presence Control Bar down to the handle and pull Starter Handle quickly. Do not allow starter rope to snap back.
- To STOP engine, release Operator Presence Control Bar.

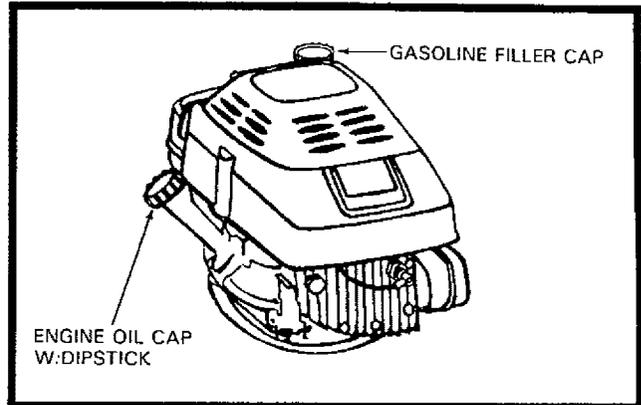


FIG. 9

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

MOWING TIPS

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

MAINTENANCE

GENERAL RECOMMENDATION

- Once a year you should replace the spark plug, air filter and check blade for wear. A new spark plug and air filter assures proper air-fuel mixture and helps your engine run better and last longer.
- You should check all fasteners and be sure they are tight.
- Follow the Service Recommendation Schedule on page 14.

LAWN MOWER

BLADE/BLADE ADAPTER CARE

Your lawn mower will work better with a sharp blade.



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

TO REMOVE BLADE:

- Turn lawn mower on its side. Make sure air filter and carburetor are up.
- Use block of wood between blade and lawn mower housing to prevent blade from turning when removing the blade bolt.
- Protect your hands with gloves and/or wrap blade with heavy cloth.
- Remove blade bolt by turning counter-clockwise. Use a 9/16" box or open-end wrench.
- Remove blade and attaching hardware (bolt, lockwasher and hardened washer) (See Fig. 10).

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

TO REPLACE BLADE:

- Position the blade adapter on the engine crankshaft. Be sure key in adapter and key way in crankshaft are aligned.
- Position blade on to the blade adapter aligning the two (2) holes in the blade with the raised lugs on the adapter.

NOTE: Be sure the word TOP (stamped on the blade) is toward the engine (See Fig. 10).

- Install the blade bolt with the lockwasher and hardened washer into blade adapter and crankshaft (See Fig. 10).

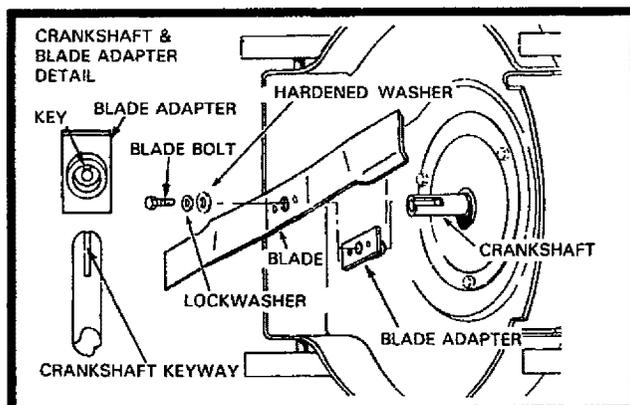


FIG. 10

- Use block of wood between blade and lawn mower housing and tighten the blade bolt, turning clockwise.
- The recommended tightening torque is 35-40 ft. lbs.
- Torque wrenches are available at most Sears stores and through the catalog.



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

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

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

TO SHARPEN BLADE:

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the lawn mower.
- Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration when running and eventual damage to lawn mower or engine.
- To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of blade over the head of the nail. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, blade is not balanced. Sharpen the heavy end until the blade is balanced.

MAINTENANCE

GRASS CATCHER

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

ENGINE

TO CHANGE OIL (WARM OIL DRAINS BETTER)



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

- Remove engine oil cap with dipstick; lay aside on a clean surface.
- Tip lawn mower on its side as shown in Fig. 11 and drain oil into suitable container. Rock lawn mower back and forth to remove any oil trapped inside of engine.
- Wipe off any spilled oil on lawn mower and on side of engine.
- Fill engine with SAE 30 or 10W30 oil. Fill only to the "FULL" line on the dipstick. DO NOT overfill.
- Replace engine oil cap.
- Reconnect spark plug wire to spark plug.

AIR FILTER

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

Replace the air filter every year, more often if you mow in very dusty, dirty conditions. Do not wash air filter.

TO CHANGE AIR FILTER

- Remove the air filter cover by turning counter-clockwise to the stop and pull away from collar (See Fig. 12).
- Remove filter from inside of cover (See Fig. 12).
- Clean the inside of the cover and the collar to remove any dirt accumulation.
- Insert new filter into cover.
- Put air filter cover and filter into collar aligning the tab with the slot.
- Push in on cover and turn clockwise to tighten (See Fig. 12).

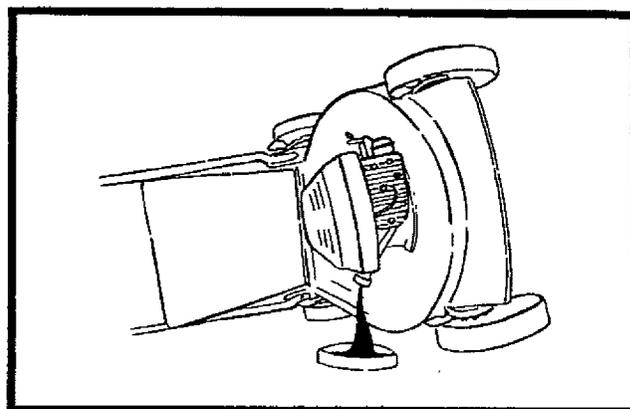


FIG. 11

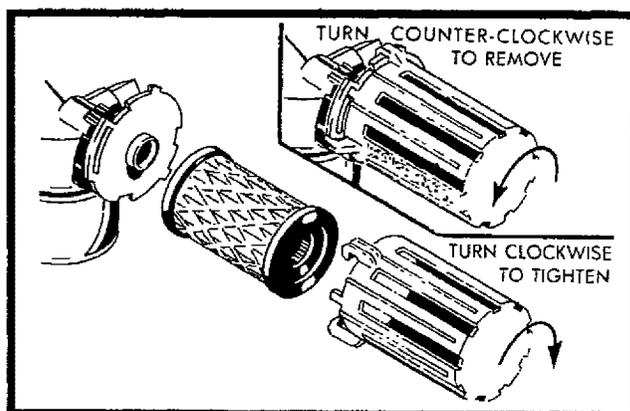


FIG. 12

SPARK PLUG

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

CLEANING

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



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

- Turn lawn mower on its side with carburetor up.
- Clean the underside of your lawn mower by scraping to remove build-up of grass and trash.
- Clean your lawn mower and engine often to keep trash from accumulating around engine. A clogged engine runs hotter and shortens engine life.
- We DO NOT recommend using a garden hose to clean lawn mower unless the electrical system, muffler, air filter, and carburetor are covered to keep water out. Water in engine can result in shortening engine life.

SERVICE AND ADJUSTMENT

CARBURETOR

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

ENGINE SPEED

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

REAR DEFLECTOR

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

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

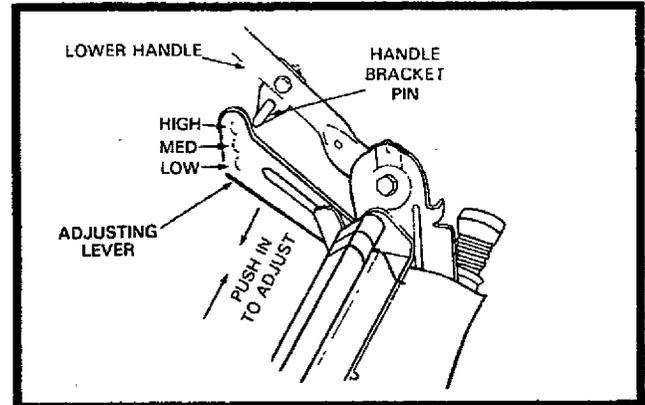


FIG. 13

TO ADJUST HANDLE

- The handle on your lawn mower has three (3) heights - adjust to the height that suits you.
- To adjust the handle, push in on the adjusting levers to clear the pins (See Fig. 13).
- Raise or lower handle and position the adjusting levers onto the pins.
- Be sure that handle bracket pin is in the same lever hole on both sides of the lawn mower

STORAGE

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

LAWN MOWER

- Clean underside of lawn mower housing. (See "Cleaning" in maintenance section of manual.)
- Inspect and replace/sharpen blade, if required (See "Blade/Blade Adapter Care" in maintenance section of manual).
- Hose grass catcher off with water and let dry before storing.
- Lubricate as shown in Service Recommendation chart on page 14 of manual.

HANDLE

- You can fold your lawn mower handle for storage as shown in Fig. 14.
- To fold, push in on the adjusting levers to clear the pins, then move handle forward (See Fig. 15).

IMPORTANT: WHEN FOLDING THE HANDLE FOR STORAGE OR TRANSPORTATION, BE SURE TO FOLD THE HANDLE AS SHOWN IN FIG. 14. IF YOU FOLD THE UPPER HANDLE SECTION THE WRONG WAY, YOU MAY DAMAGE THE CONTROL CABLE.

ENGINE

- Change oil (See "To Change Oil" in maintenance section of manual).
- Drain Fuel and Run Engine until fuel system is empty.

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

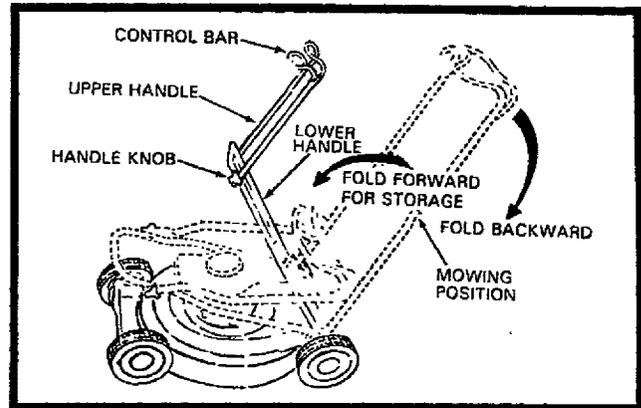


FIG. 14

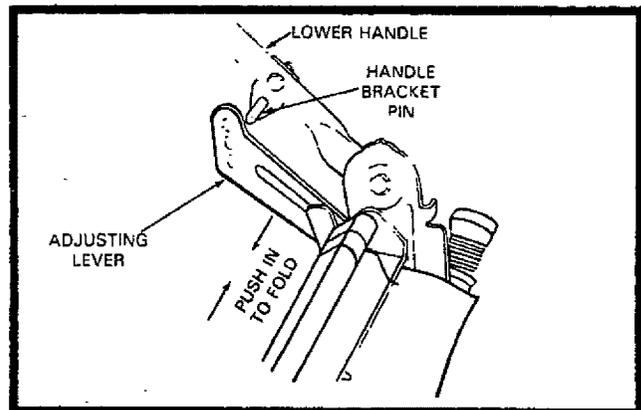


FIG. 15

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline can cause problems.
- Do not store your lawn mower under any plastic cover. Plastic cannot breathe which allows condensation to form and can cause your lawn mower to rust.
- When setting up your handle from the storage position, the lower handle will require manually locking into the mowing position.

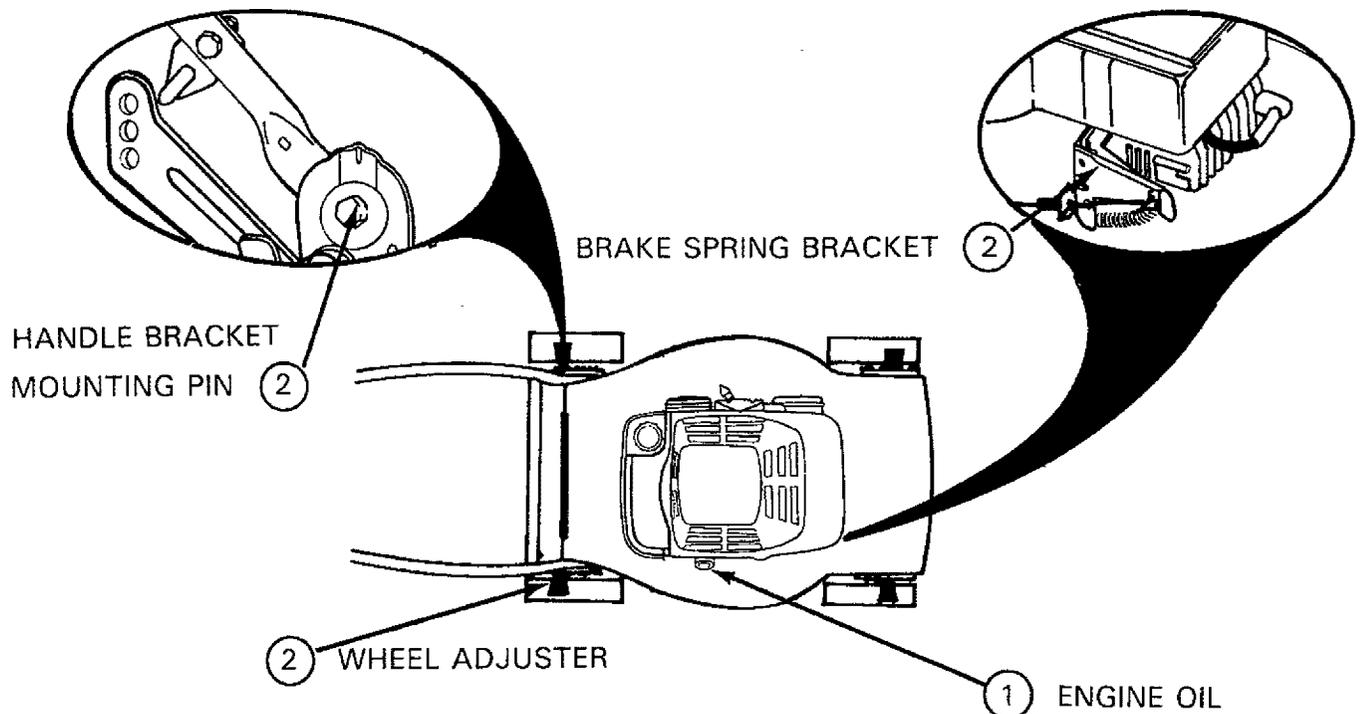
SERVICE RECOMMENDATIONS

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

✓ - CHECK

LUBRICATION CHART

- ① SAE 30 MOTOR OIL (10W 30)
- ② SPRAY LUBRICANT

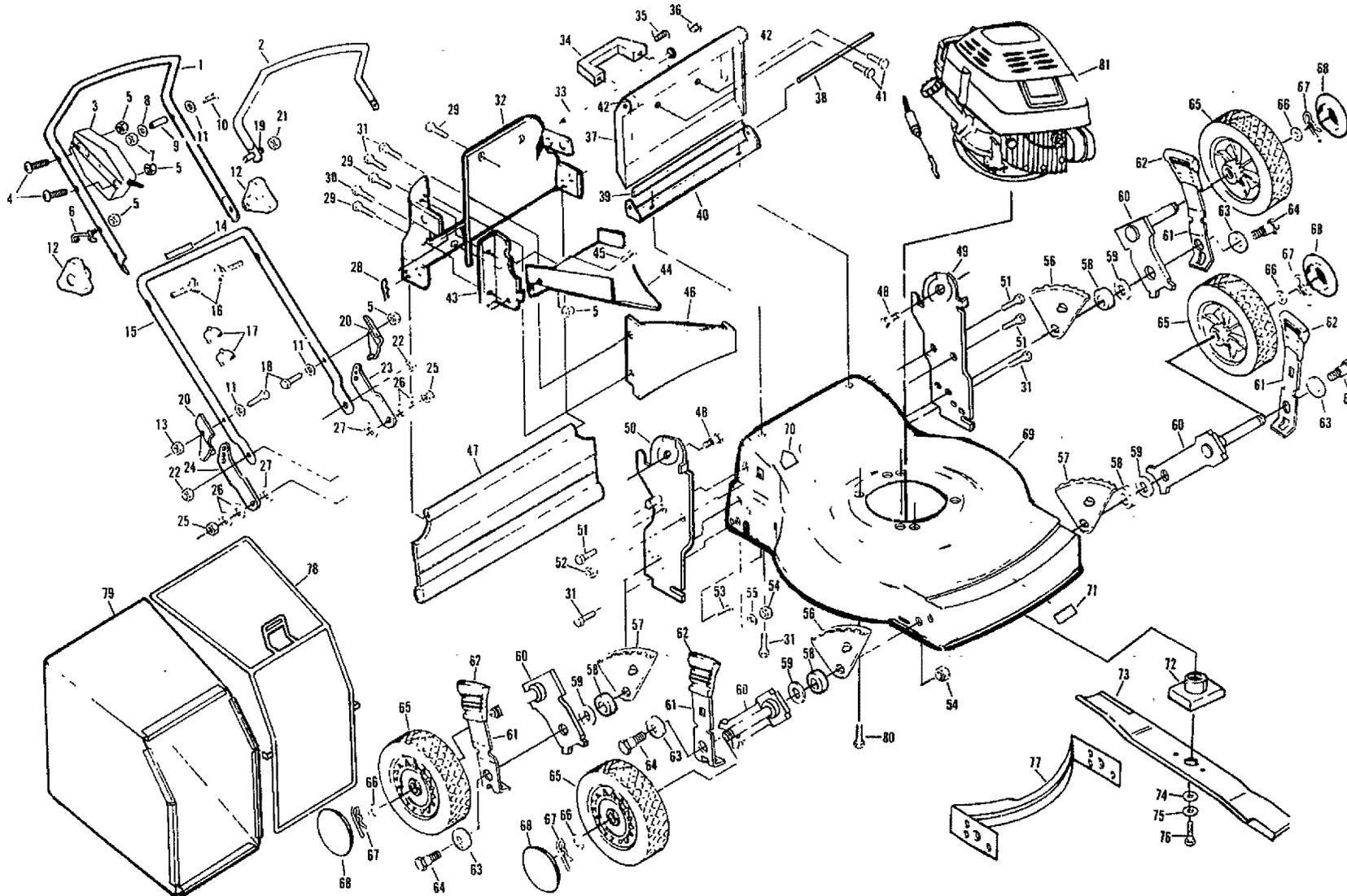


TROUBLE SHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
DOES NOT START	<ol style="list-style-type: none"> 1. Dirty air filter. 2. Out of gasoline. 3. Stale gasoline. 4. Spark plug wire is disconnected from the spark plug. 5. Bad spark plug. 6. Water in gasoline. 7. Loose blade or broken blade adapter. 8. Operator presence control bar in released position. 9. Operator presence control bar defective. 	<ol style="list-style-type: none"> 1. Replace air filter 2. Fill gasoline tank. 3. Drain gas tank and refill with fresh gasoline. 4. Connect wire to spark plug. 5. Replace spark plug. 6. Drain tank and refill with fresh, clean gasoline. 7. Tighten blade bolt and/or replace blade adapter. 8. Depress operator presence control bar. 9. Replace operator presence control bar.
LOSS OF POWER	<ol style="list-style-type: none"> 1. Rear of lawn mower housing/blade dragging in heavy grass. 2. Cutting too much grass. 3. Dirty air filter. 4. Build-up of grass, leaves, and trash under lawn mower housing. 5. Walking speed too fast. 6. Too much oil in engine. 	<ol style="list-style-type: none"> 1. Raise rear of lawn mower housing one (1) setting higher than front. 2. Set in HIGHER CUT position. 3. Clean or replace air filter. 4. Disconnect spark plug wire and clean underside of lawn mower housing. 5. Cut at slower walking speed. 6. Check engine oil level.
POOR CUT-UNEVEN	<ol style="list-style-type: none"> 1. Worn, bent or loose blade. 2. Wheel heights uneven. 3. Low engine speed. 4. Build-up of grass, leaves and trash under lawn mower housing. 	<ol style="list-style-type: none"> 1. Replace blade. Tighten blade bolt. 2. Set all wheels at same height. 3. Set engine speed control in FAST or HIGH position. 4. Disconnect spark plug wire & clean underside of lawn mower housing.
TOO MUCH VIBRATION	<ol style="list-style-type: none"> 1. Worn or bent blade. 2. Loose blade. 3. Bent engine crankshaft. 	<ol style="list-style-type: none"> 1. Replace blade. 2. Tighten blade bolt. 3. Contact Sears Service Department.
STARTER ROPE HARD TO PULL	<ol style="list-style-type: none"> 1. Flywheel brake is on when operator presence control bar is released. 2. Bent engine crankshaft. 3. Blade adapter sheared. 4. Blade dragging in grass. 	<ol style="list-style-type: none"> 1. Depress operator presence control bar to upper handle before pulling on starter rope. 2. Contact Sears Service Department. 3. Replace blade adapter. 4. Get over low grass and/or hard surface to start engine.
CATCHER NOT FILLING COMPLETELY (IF APPLICABLE)	<ol style="list-style-type: none"> 1. Cutting height too low. 2. Lift on blade worn off. 3. Catcher bag dirty, poor air venting. 4. Low engine speed. 	<ol style="list-style-type: none"> 1. Raise cutting height. 2. Replace blade. 3. Clean/replace catcher bag. (If optional grass catcher is being used). 4. Set engine speed control in FAST or HIGH position.
HARD TO PUSH	<ol style="list-style-type: none"> 1. High grass or cutting height too low. 2. Rear of lawn mower housing/blade dragging in heavy grass. 3. Grass catcher too full. 4. Handle height position not right for you. 	<ol style="list-style-type: none"> 1. Raise cutting height. 2. Raise rear of lawn mower housing one (1) setting higher than front. 3. Empty grass catcher. 4. Adjust handle height to suit.

CRAFTSMAN 20" ROTARY LAWN MOWER MODEL NO. 917 383340

REPAIR PARTS Rev. 1



CRAFTSMAN 20" ROTARY LAWN MOWER MODEL NO. 917.383340

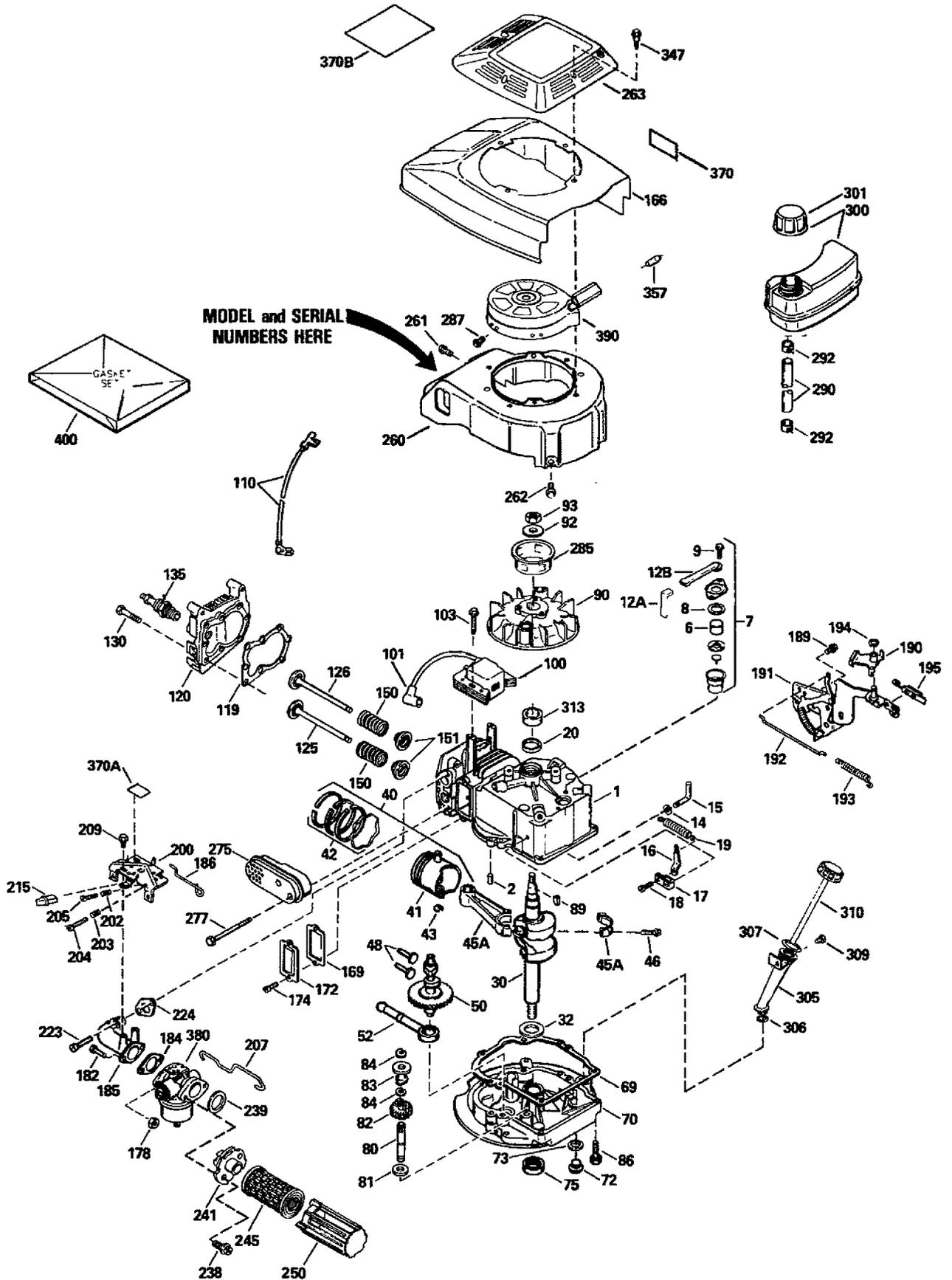
REPAIR PARTS

Rev. 1

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	750582	Upper Handle	43	750483	Side Baffle
2	750584	Control Bar	44	88554	Discharge Baffle
3	751109	Deluxe Zone Control	45	86344	Hex Head Screw 10-24 x 1/2
4	85692	Machine Screw 1/4-20 x 2 1/8	46	700273	Rear Baffle
5	STD541425	Locknut 1/4-20	47	700062	Rear Deflector
6	750820	Rope Guide	48	750735	Shoulder Bolt
7	86229	Locknut 1/4-20	49	750811	Handle Bracket Assembly (Left)
8	751625	Spacer	50	750812	Handle Bracket Assembly (Right)
9	751613	Spacer	51	55187	Thread Cutting Screw 5/16-18 x 3/4
10	STD522515	Hex Head Bolt 1/4-20 x 1 1/2	52	STD541431	Locknut 5/16-18
11	85723	Washer	53	STD533107	Carriage Bolt 5/16-18 x 5/8
12	87692	Handle Knob	54	STD541437	Locknut 3/8-16
13	STD541425	Locknut 1/4-20	55	61537	Washer
14	750627	Instruction Decal (Engine)	56	88641	Wheel Adjusting Bracket (L.R.,R.F.)
15	750785	Lower Handle	57	88642	Wheel Adjusting Bracket (R.R.,L.F.)
16	58714	Handle Bolt 5/16-18 x 1 3/4	58	84920	Spacer
17	85827	Cable Clip	59	88348	Washer
18	STD522512	Hex Head Bolt 1/4-20 x 1 1/4	60	87887	Axle Arm Assembly
19	750587	Actuator Stud	61	850863	Selector Spring
20	800445	Handle Adjusting Bracket	62	77865	Selector Knob
21	STD541431	Locknut 5/16-18	63	62335	Belleville Washer
22	83923	Locknut 3/18-16	64	84921	Shoulder Bolt 3/8-16
23	800443	Handle Link (Left)	65	750507	Wheel & Tire Assembly 8.0 x 1 3/4
24	800444	Handle Link (Right)	66	52160	Washer
25	STD541431	Hex Locknut 5/16-18	67	85179	Retainer Clip
26	800447	Washer	68	77400	Hubcap
27	800469	Spacer	69	48217	Lawn Mower Housing (Incl. Ref. #32,43,44,46,70 & 77)
28	700279	Retainer Clip	70	85463	Danger Decal
29	81283	Self Tapping Screw 10-24 x 3/8	71	750509	Housing Decal
30	STD522506	Machine Screw 1/4-20 x 5/8	72	850977	Blade Adapter
31	54583	Hex Tapping Screw 1/4-20 x 1/2	73	850972	20" Blade
32	700274	Back Plate	74	850263	Helical Lockwasher 3/8
33	88664	Skirt Rod	75	851074	Hardened Washer
34	750621	Door Handle	76	851084	Hex Head Screw 3/8-24 x 1 3/8
35	750619	Spring (Right)			Grd. 8
36	750620	Spring (Left)	77	700276	Front Baffle
37	750625	Rear Door	78	750617	Catcher Frame
38	750624	Hinge Rod	79	750767	Grass Bag
39	851453	Wiper Strip	80	850998	Hex Head Thread Rolling Screw 3/8 x 16
40	750623	Hinge Bracket			Engine - Craftsman (Source 143) Model No. 143.404142 (See Pgs.18-21)
41	103875X	Pan Head Screw 10-16 x 1/2	81	750701	Owner's Manual
42	851235	Seal Strip		750588	

CRAFTSMAN 4-CYCLE ENGINE

MODEL: 143.404142



CRAFTSMAN 4-CYCLE ENGINE

MODEL: 143.404142

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	35513	Cylinder Assy. (Incl. Nos. 2 & 20)	135	35395	Spark Plug, Resistor (Champlon RJ-19LM or equivalent)
2	26727	Pin, Dowel	150	31672	Spring, Valve
6	33734	Element, Breather	151	31673	Cap, Lower valve spring
7	34214A	Breather Assy. (Incl. Nos. 6, 8, 9, 12A & 12B)	166	35827	Shroud, Engine
8	*33735	Gasket, Breather	169	*27234A	Gasket, Valve spring box
9	30200	Screw, Hex washer hd. self-tap Sems, 10-24 x 9/16	172	32755	Cover, Valve spring box
12A	34695	Elbow, Breather tube	174	650128	Screw, Hex hd. Sems, 10-24 x 1/2
12B	33896	Tube, Breather	178	29752	Nut & Lockwasher, 1/4-28
14	28277	Washer, Flat	182	6201	Screw, Hex hd., 1/4-28 x 7/8
15	30589	Rod, Governor (Incl. No. 14)	184	*26756	Gasket, Carburetor
16	31383A	Lever, Governor	185	31384A	Pipe, Intake (Incl. No. 224)
17	31335	Clamp, Governor lever	186	34337	Link, Governor spring
18	650548	Screw, Hex washer hd., 8-32 x 5/16	189	650839	Screw, Hex washer hd. Powerlok, 1/4-20 x 3/8
19	31361	Spring, Extension	190	34968	Lever, Brake
20	32600	Seal, Oil	191	35039	Bracket, S.E. Brake
30	34477B	Crankshaft Assy.	192	34966	Link, Control
32	32323	Washer, Thrust	193	34965	Spring, Extension
40	35544	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 41, 42 & 43)	194	32309	Ring, Retaining
40	35545	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 41, 42 & 43)	195	610973	Terminal Assy.
40	35546	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 41, 42 & 43)	200	35727	Bracket Assy., Control (Incl. Nos. 202 thru 205)
41	35541	Piston & Pin Assy. (Std.) (Incl. No. 43)	202	33802	Spring, Compression
41	35542	Piston & Pin Assy. (.010 oversize) (Incl. No. 43)	203	31342	Spring, Compression
41	35543	Piston & Pin Assy. (.020 oversize) (Incl. No. 43)	204	650549	Screw, Fil. hd., 5-40 x 7/16
42	35547	Ring Set, Piston (Std.)	205	650777	Screw, Fil. hd., 6-32 x 21/32
42	35548	Ring Set, Piston (.010 oversize)	207	34336	Link, Throttle
42	35549	Ring Set, Piston (.020 oversize)	209	30200	Screw, Hex washer hd. self-tap Sems, 10-24 x 9/16
43	20381	Ring, Piston pin retaining	215	35511	Knob, Control
45A	32875	Rod Assy., Connecting (Incl. No. 46)	223	650451	Screw, Hex hd. Sems, 1/4-20 x 1
46	32810A	Bolt, Connecting rod	224	*34690A	Gasket, Intake pipe
48	27241	Valve, Lifter	238	*34338	Gasket, Air cleaner
50	33553	Carnshaft (Mech. Compression Release)	239	650932	Screw, Hex washer hd. shoulder, 10-32 x 49/64
52	29914	Pump Assy., Oil	241	35797	Collar, Air cleaner
69	*35261	Gasket, Mounting flange	245	35066	Filter, Air cleaner (Paper)
70	35810	Flange, Mounting (Incl. Nos. 72, 73, 75 & 80)	250	35085	Cover, Air cleaner
72	30572	Plug, Oil drain (Incl. No. 73)	260	35826	Housing, Blower
73	*28833	Gasket, Oil plug (Not required with plastic oil plug)	261	30200	Screw, Hex washer hd. self-tap Sems, 10-24 x 9/16
75	27897	Seal, Oil	262	650831	Screw, Hex washer hd. Powerlok thread, 1/4-20 x 15/32
80	30574	Shaft, Governor	263	35821	Grill, Shroud
81	35479	Washer, Flat	275	34613	Muffler Assy.
82	30591	Gear Assy., Governor (Incl. No. 81)	277	650795	Screw, Hex hd., 1/4-20 x 2-1/4
83	30588A	Spool, Governor	285	35000	Hub, Starter
84	29193	Ring, Retaining	287	650884	Screw, Hex washer hd., 8-32 x 1/2
86	650488	Screw, Hex hd. Sems, 1/4-20 x 1-1/4	290	34357	Line, Fuel
89	611004	Key, Flywheel	292	26460	Clamp, Fuel line
90	611112	Flywheel	300	35586	Tank Assy. (Incl. Nos. 292 & 301)
92	650815	Washer, Belleville	301	35355	Cap, Fuel
93	650816	Nut, Flywheel	305	35819	Tube, Oil fill
100	34443A	Solid State Assy.	306	34265	Gasket, Fill tube
101	610118	Cover, Spark plug	307	35499	"O" Ring
103	650814	Screw, Torx hex washer hd. Sems, 10-24 x 1	309	650562	Screw, Hex washer hd. shakeproof, 10-32 x 1/2
110	34961	Wire, Ground			
119	*33015A	Gasket, Cylinder head			
120	34342	Head, Cylinder			
125	29313C	Valve, Exhaust (Std.) (Incl. No. 151)			
125	29315C	Valve, Exhaust (1/32" oversize) (Incl. No. 151)			
126	29314B	Valve, Intake (Std.) (Incl. No. 151)			
126	29315C	Valve, Intake (1/32" oversize) (Incl. No. 151)			
130	6021A	Screw, Hex flange hd., 5/16-18 x 1-1/2			

*Indicates Parts included in Gasket Set, Ref. No. 400.

CRAFTSMAN 4-CYCLE ENGINE

MODEL: 143.404142

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
310	35822	Dipstick, Oil fill	390	590637	Starter, Rewind
313	34080	Spacer, Flywheel key	400	33238D	Gasket Set (Incl. items marked *)
357	34985	Retainer, Starter rope			RPM Setting:
370	35847	Decal, Instruction			Low Speed: 2500 High Speed: 3000
370A	35167	Decal, Throttle			
370B	35841	Decal, Name			
380	632569	Carburetor (Incl. No. 184)			*Indicates Parts Included in Gasket Set, Ref. No. 400.

CARBURETOR NO. 632569

The diagram shows an exploded view of a carburetor. The main body is shown with various components like the throttle shaft and lever assembly (1), throttle shutter (3), and primer assembly (9). The float bowl assembly (16) is shown below, including the float bowl (16), float shaft (15), float (14), and inlet needle assembly (12). A fuel inlet fitting (26) is shown on the side. Other parts include a dust seal (6), washers (7), a plug (11), and various gaskets (21, 22, 25).

Ref. No.	Part No.	Part Name
	632569	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	632568	Nut, Float Bowl
25	631028	Gasket, Bowl-to-body
26	632527	Fitting, Fuel inlet

REWIND STARTER NO. 590637

The diagram shows an exploded view of a rewind starter. The main housing (11) contains a pulley (8) and a rewind spring (9). A cover (10) is shown above the pulley. A rope (12) is attached to the pulley. A handle (13) is shown at the top. The bottom part of the diagram shows the dog (6) and spring (7) mechanism, which is used to engage the pulley. Other parts include a retainer (3), a washer (2), and a pin (1).

Ref. No.	Part No.	Part Name
	590637	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	590638	Housing Assy., Starter
12	590535	Rope, Starter (Length 98" & 9/64" dia.)
13	590452	Handle, Starter

NOTES

NOTES

OWNER'S MANUAL

**MODEL NO.
917.383340**

HOW TO ORDER REPAIR PARTS

CRAFTSMAN®

4.0 HORSE POWER 20" REAR BAGGER ROTARY LAWN MOWER

Each Lawn Mower has its own model number. Each engine has its own model number.

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

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- * PRODUCT - "ROTARY LAWN MOWER"
- * MODEL NUMBER - 917.383340
- * ENGINE - CRAFTSMAN
MODEL NO. 143.404142
- * PART NUMBER
- * PART DESCRIPTION

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