

**SEARS**

# **CRAFTSMAN<sup>®</sup>**

**MODEL NUMBER 917.384150 OWNER'S MANUAL**

**3one**  
Convertible



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

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

**Sears, Roebuck and Co., Hoffman Estates, IL. 60195 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.**



## IMPORTANT

**SAFETY STANDARDS REQUIRE OPERATOR PRESENCE CONTROLS TO MINIMIZE THE RISK OF INJURY. YOUR UNIT IS EQUIPPED WITH SUCH CONTROLS. DO NOT ATTEMPT TO DEFEAT THE FUNCTION OF THE OPERATOR PRESENCE CONTROLS UNDER ANY CIRCUMSTANCES.**

### TRAINING:

- Read this operator's manual carefully. Become familiar with the controls and know how to operate your mower properly. Learn how to quickly stop mower.
- Do not allow children to use your mower. Never allow adults to use mower without proper instructions.
- Keep the area of operation clear of all persons, especially small children and pets.
- Use mower only as the manufacturer intended and as described in this manual.
- Do not operate mower if it has been dropped or damaged in any manner. Always have damage repaired before using your mower.
- Do not use accessory attachments that are not recommended by the manufacturer. Use of such attachments may be hazardous.
- Be aware that the mower blade turns when the engine is running.
- Always stop the engine whenever you leave or are not using your mower, or before crossing driveways, walks, roads, and any gravel-covered areas.
- Never direct discharge of material toward bystanders nor allow anyone near the mower while you are operating it.
- Before cleaning, inspecting, or repairing your mower, stop the engine and make absolutely sure the blade and all moving parts have stopped. Then disconnect the spark plug wire and keep it away from the spark plug to prevent accidental starting.
- Do not continue to run your mower if you hit a foreign object. Follow the procedure outlined above, then repair any damage before restarting and operating your mower.
- Do not change the governor settings or overspeed the engine. Engine damage or personal injury may result.
- Do not operate your mower if it vibrates abnormally. Excessive vibration is an indication of damage; stop the engine, safely check for the cause of vibration and repair as required.
- Do not run the engine indoors. Exhaust fumes are dangerous.
- Never cut grass by pulling the mower towards you. Mow across the face of slopes, never up and down or you might lose your footing. Do not mow excessively steep slopes. Use caution when operating the mower on uneven terrain or when changing directions - maintain good footing.
- Never operate your mower without proper guards, plates, grass catcher or other safety devices in place.

### PREPARATION:

- Always thoroughly check the area to be mowed and clear it of all stones, sticks, wires, bones, and other foreign objects. These objects will be thrown by the blade and can cause severe injury.
- Always wear safety glasses or eye shields when starting and while using your mower.
- Dress properly. Do not operate mower when barefoot or wearing open sandals. Wear only solid shoes with good traction when mowing.
- Check fuel tank before starting engine. Do not fill gas tank indoors, when the engine is running or when the engine is hot. Allow the engine to cool for several minutes before filling the gas tank. Clean off any spilled gasoline before starting the engine.
- Always make wheel height adjustments before starting your mower. Never attempt to do this while the engine is running.
- Mow only in daylight or good artificial light.

### OPERATION:

- Keep your eyes and mind on your mower and the area being cut. Do not let other interests distract you.
- Do not mow wet or slippery grass. Never run while operating your mower. Always be sure of your footing - keep a firm hold on the handles and walk.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.

### MAINTENANCE AND STORAGE:

- Check the blade and the engine mounting bolts often to be sure they are tightened properly.
- Check all bolts, nuts and screws at frequent intervals for proper tightness to be sure mower is in safe working condition.
- Keep all safety devices in place and working.
- To reduce fire hazard, keep the engine free of grass, leaves or excessive grease and oil.
- Check grass catcher often for deterioration and wear and replace worn bags. Use only replacement bags that are recommended by and comply with specifications of the manufacturer of your mower.
- Always keep a sharp blade on your mower.
- Allow engine to cool before storing in any enclosure.
- Never store mower with fuel in the tank inside a building where fumes may reach an open flame or an ignition source such as a hot water heater, space heater, clothes dryer, etc.



**LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS - 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 problems you cannot easily remedy, please contact your nearest Sears Service Center/Department. Sears has 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 917.384150</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

HORSEPOWER:	4.0
DISPLACEMENT:	10.49 cu. in.
GASOLINE CAPACITY:	1.00 quart (Unleaded)
OIL (20 oz. Capacity):	SAE 30 (Above 32°F) 5W30 (Below 32°F)
SPARK PLUG (GAP .030 in.): (0.76 mm)	Champion RJ19LM or Sears <sup>TM</sup> 33312 or STD 361458 or STD 360950
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 "Customer Responsibilities" and "Storage" sections of this Owner's Manual.

## LIMITED TWO YEAR WARRANTY ON CRAFTSMAN POWER MOWER

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

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

This Warranty does not cover:

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

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

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

SEARS, ROEBUCK AND CO., D/817 WA, HOFFMAN ESTATES, CHICAGO, ILLINOIS 60195

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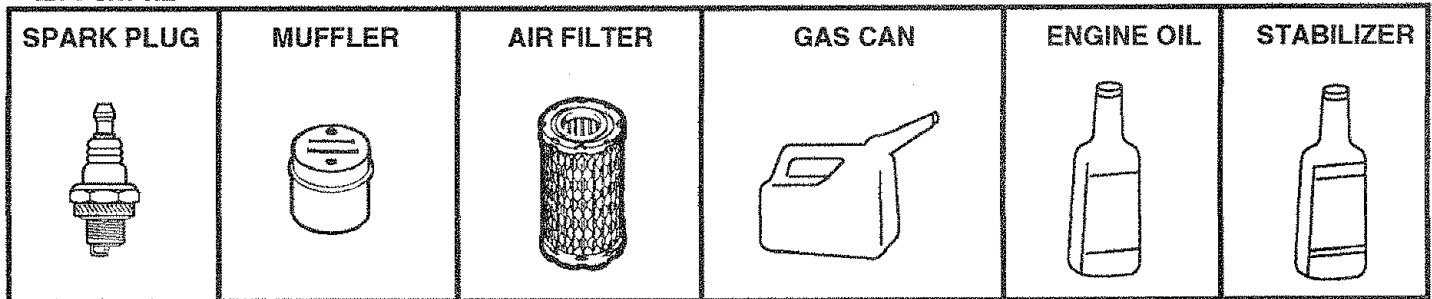
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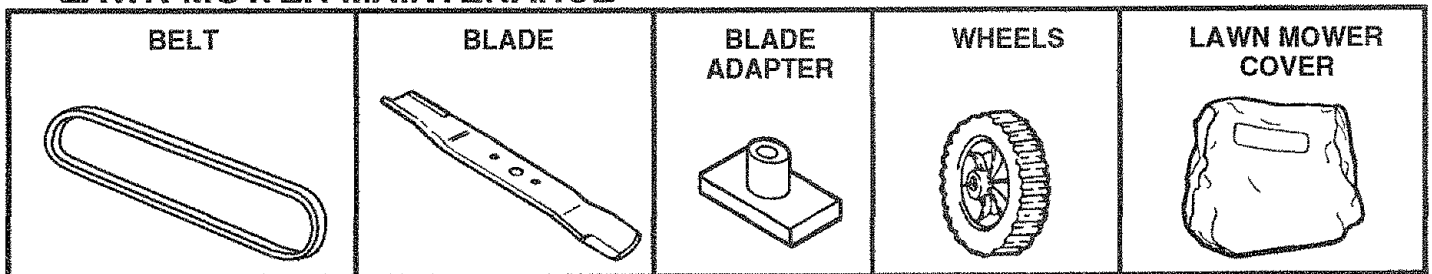
# LAWN MOWER ACCESSORIES

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 also order repair parts for you, when you provide the model number of your lawn mower. Some of these accessories may not apply to your lawn mower.

## ENGINE



## LAWN MOWER MAINTENANCE



# ASSEMBLY

Read these instructions and the Operator's Manual in its entirety before you attempt to assemble or operate your new lawn mower. Your new lawn mower has been assembled at the factory with the exception of those parts left unassembled for shipping purposes. All parts such as nuts, washers, bolts, etc., necessary to complete the assembly have been placed in the parts bag. To ensure safe and proper operation of your lawn mower, all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to ensure proper tightness.

## TO REMOVE LAWN MOWER FROM CARTON

- Remove loose parts included with mower.
- Cut down two end corners of carton and lay end panel down flat.
- Remove all packing materials except padding between upper and lower handle and padding holding operator presence control bar to upper handle.
- Roll lawn mower out of carton and check carton thoroughly for additional loose parts.

## HOW TO SET UP YOUR LAWN MOWER

### TO UNFOLD HANDLE (See Fig. 1)

- Raise handles until lower handle section locks into place in mowing position.

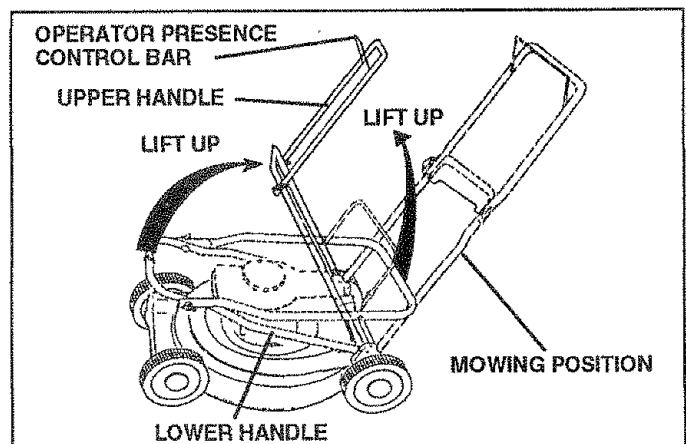


FIG. 1

- Raise upper handle section into place on lower handle, remove protective padding and tighten both handle knobs.
- Remove handle padding holding operator presence control bar to upper handle.
- Your lawn mower handle can be adjusted for your mowing comfort. Refer to "Adjust Handle" in the Service and Adjustment section of this manual.

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# OPERATION

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## 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.

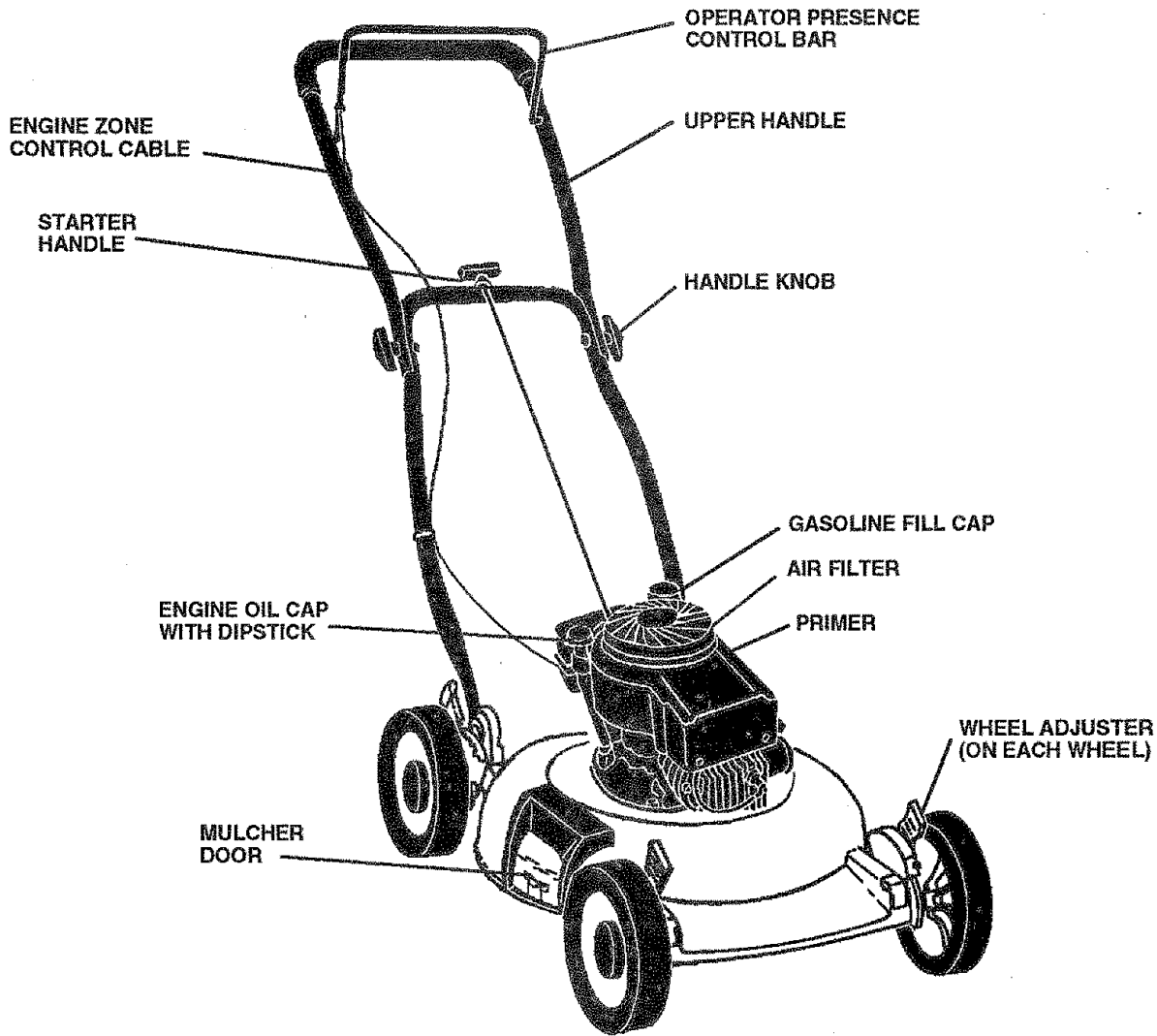


FIG. 2

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## 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.

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

**MULCHER DOOR** - allows conversion to discharge or bagging operation.

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

**STARTER HANDLE** - used for starting the engine.

# OPERATION

## HOW TO USE YOUR LAWN MOWER ENGINE SPEED CONTROL

The engine speed was set at the factory for optimum performance. Speed is not adjustable.

## ENGINE ZONE CONTROL



**CAUTION:** Federal regulations require an engine control to be installed on this lawn mower in order to minimize the risk of blade contact injury. Do not under any circumstances attempt to defeat the function of the operator control. The blade turns when the engine is running.

- Your lawn mower is equipped with an operator presence control bar which requires the operator to be positioned behind the lawn mower handle to start and operate the lawn mower.

## TO ADJUST CUTTING HEIGHT (See Fig. 3)

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

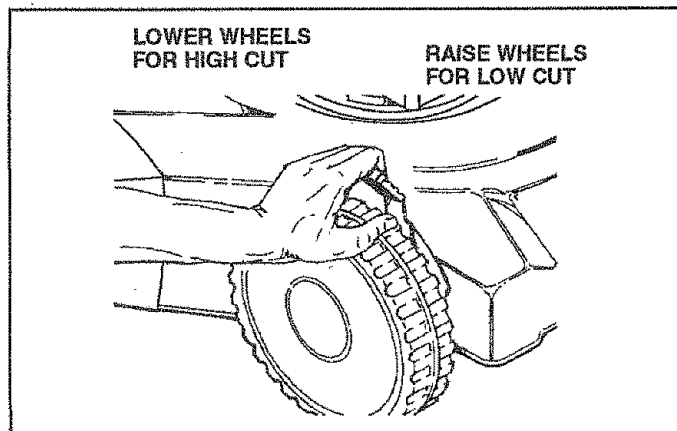


FIG. 3



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

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

## TO INSTALL DISCHARGING DEFLECTOR (See Figs. 4 & 5)

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

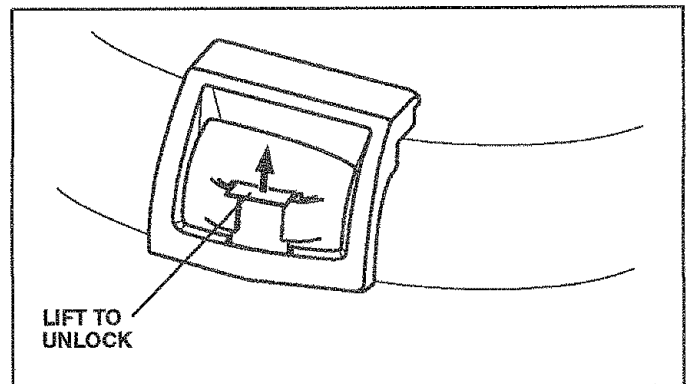


FIG. 4

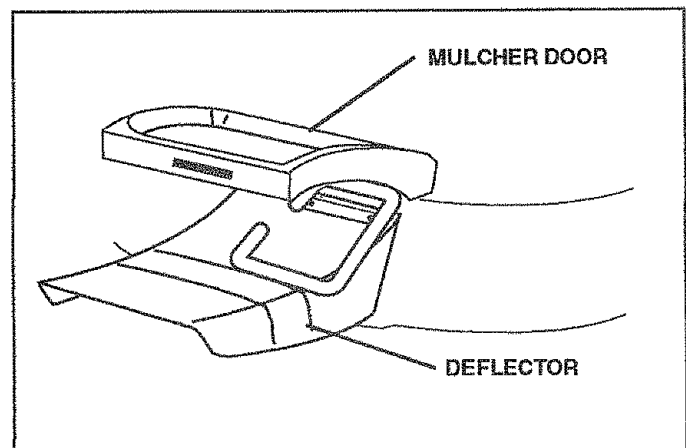


FIG. 5

## ATTACHING OPTIONAL GRASS CATCHER (See Fig. 6)

(Not included with mower)

When attaching the optional grass catcher accessory, be sure mulcher door is positioned inside wire loop of chute mounting bracket.

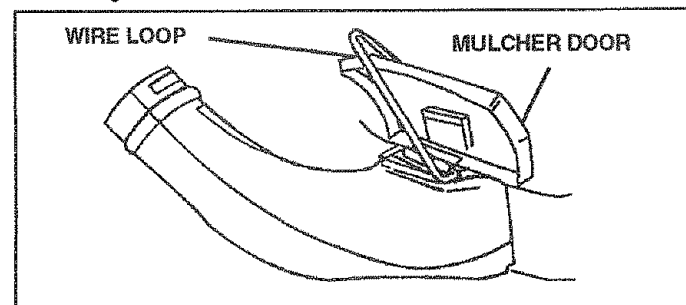


FIG. 6

# OPERATION

## BEFORE STARTING ENGINE

### OIL (See Fig. 7)

Your lawn mower is shipped without oil in the engine.

- Be sure mower is level and area around oil fill is clean.
- Remove engine oil cap w/dipstick and fill to the full line on the dipstick.
- Use 20 ozs. of oil. For type and grade of oil to use, see "ENGINE" in Customer Responsibilities section of this manual.
- Pour oil slowly. Do not over fill.
- Check oil level before each use. Add oil if needed. Fill to full line on dipstick.
- To read proper level, tighten engine oil cap each time.
- Reinstall engine oil cap and tighten.
- After the first two (2) hours of mowing, change the oil, and every 25 hours thereafter. You may need to change the oil more often under dusty, dirty conditions.

### GAS (See Fig. 7)

- Fill gasoline tank with fresh, clean, unleaded gasoline. **DO NOT USE PREMIUM GASOLINE. BE CAREFUL NOT TO OVER FILL TANK.**

**WARNING:** Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the fuel tank, start the engine and let it run until fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in fuel tank or permanent damage may occur.

## TO START ENGINE

- To start a cold engine, push primer five (5) times before trying to start. Use a firm push. This step is not usually necessary when starting an engine which has already run for a few minutes.
- Hold operator presence control bar down to the handle and pull starter handle quickly. Do not allow starter rope to snap back.
- To stop engine, release operator presence control bar.

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

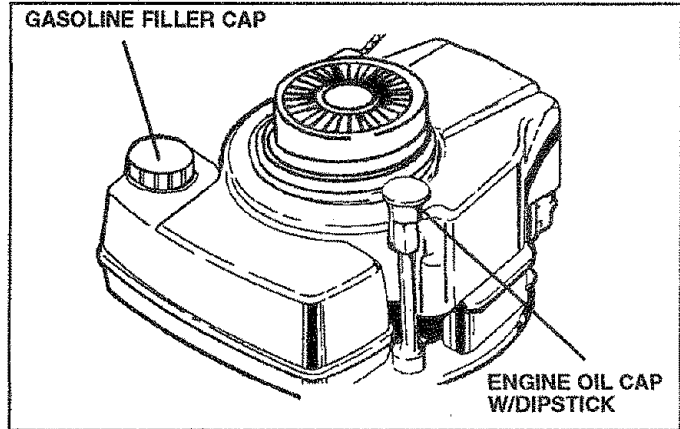


FIG. 7

## 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 side discharge mowers, cutting in a counter-clockwise direction, starting at the outside of the area to be cut, spreads grass clippings more evenly and puts less load on the engine. To keep clippings off of walkways, flower beds, etc. make the first cuts in a clockwise direction.
- Keep top of engine around starter clear and clean of grass clippings and chaff. This will help engine air flow and extend engine life.



# OPERATION

## MULCHING MOWING TIPS

**IMPORTANT:** FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN UNDERSIDE OF MOWER HOUSING AFTER EACH USE. SEE "CLEANING" IN CUSTOMER RESPONSIBILITIES SECTION OF THIS MANUAL.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the lawn mower cutting height so that the lawn mower cuts off only the top one-third of the grass blades (See Fig. 8). If the lawn is overgrown it will be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of mulched grass. For extremely heavy mulching, reduce your width of cut, mow slowly and raise the rear of the lawn mower one wheel adjuster setting higher than the front.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

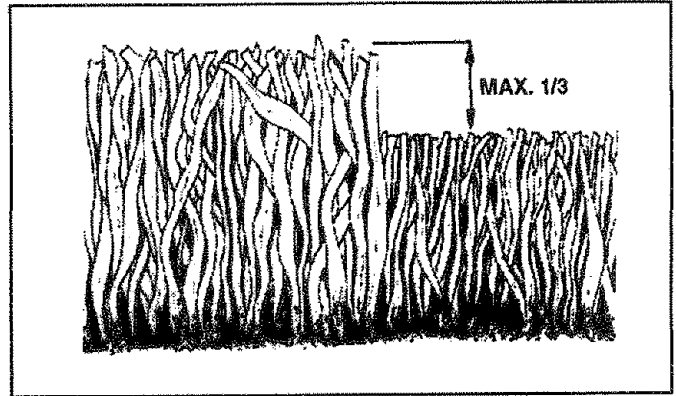


FIG. 8

# CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE		SERVICE DATES												
		BEFORE EACH USE	AFTER EACH USE	FIRST 2 HOURS	EVERY 5 HOURS	EVERY 25 HOURS	EVERY SEASON	BEFORE STORAGE						
MOWER	Check for Loose Fasteners	✓						✓						
	Clean/Inspect Grass Catcher (If Equipped)	✓	✓						✓					
	Clean Lawn Mower		✓						✓					
	Inspect/Clean Drive Wheels (Self-Propelled Mowers)	✓			✓									
	Sharpen/Replace Mower Blade					✓ <sub>3</sub>								
	Lubrication Chart					✓			✓					
	Clean Battery/Recharge (Electric Start Mowers)					✓			✓ <sub>4</sub>					
ENGINE	Check Engine Oil Level	✓			✓									
	Change Engine Oil			✓		✓ <sub>1,2</sub>								
	Clean Air Filter					✓ <sub>2</sub>								
	Inspect Muffler					✓								
	Replace Spark Plug								✓					
	Replace Air Filter Paper Cartridge							✓ <sub>2</sub>						

- 1 - Change more often when operating under a heavy load or in high ambient temperatures.
- 2 - Service more often when operating in dirty or dusty conditions.
- 3 - Replace blades more often when mowing in sandy soil.
- 4 - Charge 48 hours at end of season.

## GENERAL RECOMMENDATIONS

The warranty on this lawn mower does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain mower as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your unit.

All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- Once a year, replace the spark plug, clean or replace air filter element and check blade for wear. A new spark plug and clean/new air filter element assures proper air-fuel mixture and helps your engine run better and last longer.
- Follow the maintenance schedule in this manual.

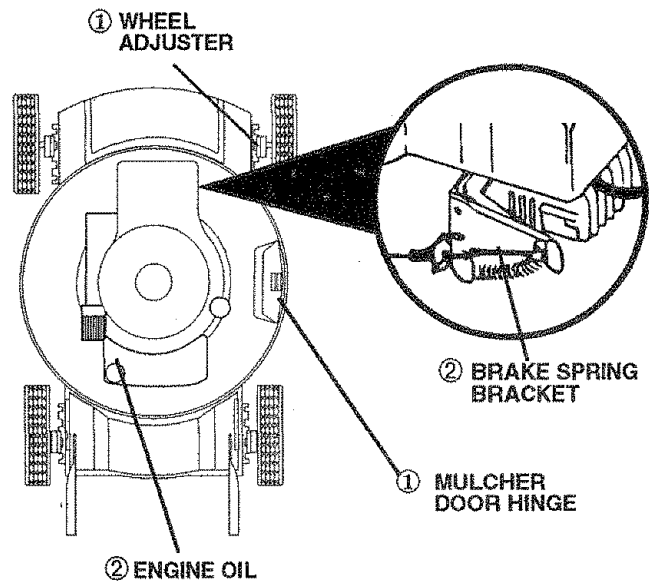
## BEFORE EACH USE

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

## LUBRICATION

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

## LUBRICATION CHART



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

**IMPORTANT** DO NOT OIL OR GREASE PLASTIC WHEEL BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY.

# CUSTOMER RESPONSIBILITIES

## LAWN MOWER

Always observe safety rules when performing any maintenance.

## TIRES

- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

## BLADE CARE

For best results, mower blade must be kept sharp. Replace bent or damaged blades.

### TO REMOVE BLADE (See Fig. 9)

- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with spark plug.
- Turn lawn mower on its side. Make sure air filter and carburetor are up.
- Use a wood block between blade and mower housing to prevent blade from turning when removing blade bolt.
- Protect your hands with gloves and/or wrap blade with heavy cloth.
- Remove blade bolt by turning counter-clockwise. Use a 9/16" box or open-end wrench.
- Remove blade and attaching hardware (bolt, lock washer and hardened washer).

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

### TO REPLACE BLADE (See Fig. 9)

- Position the blade adapter on the engine crankshaft. Be sure key in adapter and crankshaft keyway are aligned.
- Position blade on the blade adapter aligning the two (2) holes in the blade with the raised lugs on the adapter.
- Be sure the trailing edge of blade (opposite sharp edge) is up toward the engine.
- Install the blade bolt with the lock washer and hardened washer into blade adapter and crankshaft.
- Use block of wood between blade and lawn mower housing and tighten the blade bolt, turning clockwise.
- The recommended tightening torque is 35-40 ft. lbs.

**IMPORTANT:** BLADE BOLT IS GRADE 8 HEAT TREATED.

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

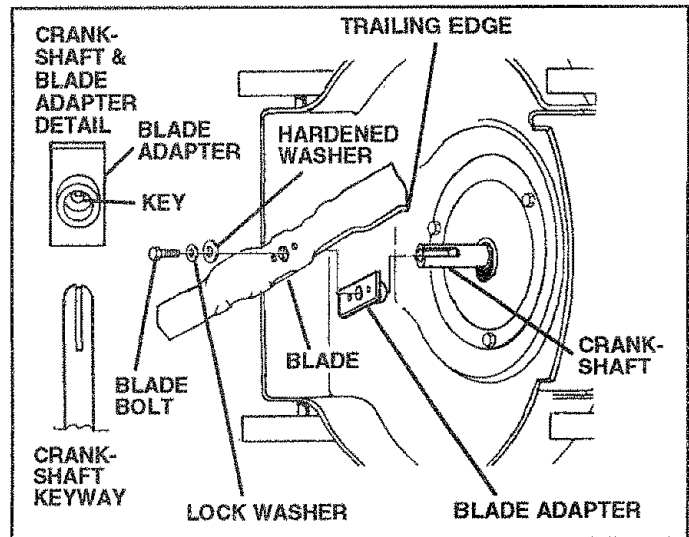


FIG. 9

### TO SHARPEN BLADE

Care should be taken to keep the blade balanced. An unbalanced blade will cause eventual damage to lawn mower or engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of blade over the head of the nail. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

## GRASS CATCHER

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













# REPAIR PARTS

CRAFTSMAN 20" ROTARY LAWN MOWER - - MODEL NO. 917.384150

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	86902	Control Bar	33	751399	Bracket Chute Mounting
3	103672X	Rope Guide	34	55187	Thread Cutting Screw 5/16-18 x 3/4
4	133088X479	Upper Handle	35	851084	Hex Head Screw 3/8-24 x 1-3/8
5	84676X479	Lower Handle	36	850263	Helical Lock Washer 3/8
6	131959	Handle Bolt 5/16-18 x 1-3/4	37	851074	Hardened Washer
7	STD541425	Locknut 1/4-20	38	752233	20" Blade
8	850733X004	Up-Stop Bracket	39	851514	Blade Adapter
9	750097	Hex Washer Head Screw #10-24 x 1/2	40	850998	Hex Head Thread Rolling Screw 3/8-16 x 1-1/8
10	130861	Engine Zone Control Cable			Deflector, Mulcher
11	74350424	Hex Head Bolt 1/4-20 x 1-1/2	41	752118	Deflector Rod
12	51793	Hairpin Cotter	42	751649	Rear Deflector
13	63688	Handle Knob	43	751648	Retainer Clip
14	77400	Hubcap	44	700279	Cable Clip
15	85179	Retainer Clip	45	85827	Screw, Truss Head
16	52160	Washer	46	74180410	E-Ring, External
17	750001	Wheel & Tire Assembly	48	12000014	Spring, Torsion
18	84921	Shoulder Bolt	49	87589	Rod, Hinge
19	62335	Belleville Washer	50	87590	Bracket Housing Assembly
20	850855X004	Selector Spring	51	130737	Door, Mulcher
21	132800	Selector Knob	52	129711	Door Latch
22	85021X004	Axle Arm Assembly	53	130911	Decal, 3 in 1
23	48290	Lawn Mower Housing (Includes Key No. 29)	55	133213	Engine - Craftsman Model No. 143.434042
25	84920	Spacer	56	700542	Owner's Manual (Eng./Span.)
26	850955	Wheel Adjusting Bracket	--	700573	
28	135151X417	Handle Bracket Assembly (Right)			
29	85463	Danger Decal			
30	135152X417	Handle Bracket Assembly (Left)			
32	751592	Locknut 3/8-16			

Available accessories not included with lawn mower:

- Grass Catcher
- Gas Can (2.5 gal.)
- Fuel Stabilizer
- SAE 30W Oil (20 oz.)
- Mower Cover



REF PART NO. NO.	DESCRIPTION	REF PART NO. NO.	DESCRIPTION
1 36265	Cylinder (Includes Reference Numbers 2, 8, 9 and 20)	130 6201A	Screw 5/16-18 x 1-1/2
2 26727	Dowel Pin	135 35395	Resistor Spark Plug (Order Champion RJ19LM or Equivalent)
6 33734	Breather Element	150 35991	Valve Spring
7 34214A	Breather Assembly (Includes Reference #6, 8, 9, 12A and 12B)	151 31673	Lower Valve Spring Cap
8 33735	* Breather Gasket	169 27234A	* Valve Spring Box Gasket
9 30200	Screw #10-24 x 9/16	172 32755	Valve Spring Box Cover
12A 33886	Breather Tube	174 650128	Screw #10-24 x 1/2
12B 34695	Breather Tube Elbow	178 29752	Nut and Lock Washer 1/4-28
14 28277	Flat Washer	182 6201	Screw 1/4-28 x 7/8
15 30589	Governor Rod	184 26756	* Carburetor Gasket
16 31383A	Governor Lever	185 31384A	Intake Pipe (Includes Ref. #224)
17 31335	Governor Lever Clamp	186 32653	Governor Spring Link
18 650548	Screw #8-32 x 5/16	189 650839	Screw 1/4-20 x 3/8
19 31361	Extension Spring	190 35831	Brake Lever
20 32600	Oil Seal	191 35039B	S.E. Brake Bracket (Includes #195)
30 35798	Crankshaft	192 34966	Control Link
41 36070	Piston & Pin Assembly, Standard	193 34965	Brake Spring
36071	Piston & Pin Assembly .010" Over	194 32309	Retaining Ring
36072	Piston & Pin Assembly .020" Over (Assemblies Include Reference #43)	195 610973	Terminal
42 36076	Ring Set, Piston, Standard Size	207 34336	Throttle Link
36077	Ring Set, Piston .010" Oversize	216 33086	R.P.M. Adjustment Lever
36078	Ring Set, Piston .020" Oversize	223 650451	Screw 1/4-20 x 1
43 20381	Piston Pin Retaining Ring	224 34690A	* Intake Pipe Gasket
45 30963B	Connecting Rod (Includes Ref. #46)	239 34338	* Air Cleaner Gasket
46 32610A	Connecting Rod Bolt	240 35797	Air Cleaner Collar
48 27241	Valve Lifter	243 650932	Screw #10-32 x 49/64
50 35990	Camshaft (MCR)	245 35066	Air Cleaner Filter
52 29914	Oil Pump Assembly	250 35065	Air Cleaner Cover
69 35261	* Mounting Flange Gasket	260 35478	Blower Housing
70 34311D	Mounting Flange (Includes Ref. #72, 75, 80, 82, 83, 311 and 312)	262 650831	Screw 1/4-20 x 15/32
72 36083	Oil Drain Plug	275 34613	Muffler (Includes Reference #277)
75 27897	Oil Seal	276 33753	Lock Plate
80 30574A	Governor Shaft	277 650795	Screw 1/4-20 x 2-1/4
81 30590A	Flat Washer	285 35000	Starter Hub
82 30591	Governor Gear Assembly	287 650926	Screw #8-32 x 1/2
83 30588A	Governor Spool	290 34357	Fuel Line
86 650488	Screw 1/4-20 x 1-1/4	292 26460	Fuel Line Clamp
89 611004	Flywheel Key	300 35586	Fuel Tank (Includes #292 and 301)
90 611112	Flywheel	301 35355	Fuel Cap Assembly
92 650815	Belleville Washer	305 35577	Fill Tube
93 650816	Flywheel Nut	306 35499	Fill Tube "O" Ring
100 34443A	Solid State	307 34265	Oil Fill Tube Gasket
101 610118	Spark Plug Cover	309 650562	Screw #10-32 x 1/2
103 650814	Screw, Torx T-15 #10-24 x 1	310 35578	Dipstick
110 34961	Ground Wire	313 34080	Flywheel Key Spacer
119 33554A	* Cylinder Head Gasket	327 35392	Pull Lite Decal
120 34342	Cylinder Head	380 632078A	Carburetor (Includes Ref. #184)
125 29313C	Exhaust Valve, Standard Size	390 590686	Recoil Starter
29315C	Exhaust Valve, 1/32" Oversize	400 35997	Gasket Set
126 29314B	Intake Valve, Standard Size		(Includes All Items Marked *)
29315C	Intake Valve, 1/32" Oversize (All Valves Include Reference #151)		

\* Included in Gasket Set, Part Number 35997

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



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# SERVICE NOTES

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# SERVICE NOTES

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# SERVICE NOTES

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**SEARS**

**OWNER'S  
MANUAL**

**MODEL NO.  
917.384150**

**HOW TO ORDER  
REPAIR PARTS**

**CRAFTSMAN®**

**4.0 HORSEPOWER  
20" PUSH  
3 in ONE Convertible  
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 here in 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 - 917.384150
- ENGINE - CRAFTSMAN - MODEL NO. 143.434042
- 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.