Owner's Manual

CRAFTSMAN[®]

ROTARY LAWN MOWER

5.5 Horsepower 21" Multi-Cut

Model No. 944.364542



CAUTION:

Read and follow all Safety Rules and Instructions before operating this equipment

Sears Canada, Inc., Toronto, Ontario M5B 2B8

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WARRANTY

LIMITED TWO YEAR WARRANTY ON CRAFTSMAN POWER MOWER For two years from date of purchase Sears Canada, Inc. will repair or replace at Sears option free of charge parts which are defective as a result of material or workmanship.

COMMERCIAL OR RENTAL USE:

Warranty on Power Mower (Gas) will be ninety (90) days from date of purchase if used for commercial or rental purposes.

This Warranty does NOT cover:

- Pre-delivery set-up.
- 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 Centre/Department in Canada. This warranty applies only while this product is used in Canada.

This warranty is in addition to any statutory warranty and does not exclude or limit legal rights you may have but shall run concurrently with applicable provincial legislation. Furthermore, some provinces do NOT allow limitation on how long an implied warranty will last so the above limitations may not apply to you.

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SAFETY RULES

IMPORTANT: This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

▲ Look for this symbol to point out important safety precautions. It means CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

ACAUTION: Always disconnect spark plug wire and place wire where it cannot contact spark plug in order to prevent accidental starting when setting up, transporting, adjusting or making repairs.

▲ CAUTION: Muffler and other engine parts become extremely hot during operation and remain hot after engine has stopped. To avoid severe burns on contact, stay away from these areas.

I. GENERAL OPERATION

- Read, understand, and follow all instructions on the machine and in the manual(s) before starting. Be thoroughly familiar with the controls and the proper use of the machine before starting.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Only allow responsible individuals, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, bones, sticks, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.

- Do not operate the mower when barefoot or wearing open sandals. Always wear substantial foot wear.
- Do not pull mower backwards unless absolutely necessary. Always look down and behind before and while moving backwards.
- Do not operate the mower without proper guards, plates, grass catcher or other safety protective devices in place.
- See manufacturer's instructions for proper operation and installation of accessories. Only use accessories approved by the manufacturer.
- Stop the blade(s) when crossing gravel drives, walks, or roads.
- Stop the engine (motor) whenever you leave the equipment, before cleaning the mower or unclogging the chute.
- Shut the engine (motor) off and wait until the blade comes to complete stop before removing grass catcher.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Never operate machine in wet grass. Always be sure of your footing: keep a firm hold on the handle and walk; never run.
- Disengage the self-propelled mechanism or drive clutch on mowers so equipped before starting the engine (motor).
- If the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
- Always wear safety goggles or safety glasses with side shields when operating mower.

II. SLOPE OPERATION

Slopes are a major factor related to slip and fall accidents which can result in severe injury. All slopes require extra caution. If you feel uneasy on a slope, do not mow it.

- Mow across the face of slopes: never up and down. Exercise extreme caution when changing direction on slopes.
- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Tall grass can hide obstacles.

DO NOT:

- Do not trim near drop-offs, ditches or embankments. The operator could lose footing or balance.
- Do not trim excessively steep slopes.
- Do not mow on wet grass. Reduced footing could cause slipping.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never* assume that children will remain where you last saw them.

- Keep children out of the trimming area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and while walking backwards, look behind and *down* for small children.
- Neverallow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
 - Use only an approved container.
 - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
 - Never refuel the machine indoors.
 - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Never make adjustments or repairs with the engine (motor) running. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spill-age. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never attempt to make wheel height adjustments while the engine (motor) is running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Do not change the engine governor setting or overspeed the engine.

PRODUCT SPECIFICATIONS

Serial Number:

Date of Purchase:

| Date of Purchase. | |
|------------------------------|---------------------------------------|
| Gasoline Capacity / Type: | 0,94 Litres (Unleaded Regular) |
| Oil Capacity: | 0,5 Litres |
| Oil Type (API SG–SL): | SAE 30 (above 0°C/32°F) or SAE 10W-30 |
| Spark Plug (Gap: 0,76 mm) | NGK BPR6ES |
| Valve Clearance (± 0.04 mm): | Intake: 0.015 mm; Exhaust: 0.020 mm |
| Blade Bolt Torque: | 35-40 ft. lbs. (47-54 N-m) |
| | |

• The model and serial numbers will be found on a decal on the rear of the lawn mower housing. Record both serial number and date of purchase in space provided above.

ASSEMBLY / PRE-OPERATION

Read these instructions and this manual in its entirety before you attempt to assemble or operate your new lawn mower.

IMPORTANT: This lawn mower is shipped WITHOUT OIL OR GASOLINE in the engine.

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 MOWER FROM CARTON

- 1. Remove loose parts included with mower.
- 2. 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.
- 4. Roll mower out of carton and check carton thoroughly for additional loose parts.

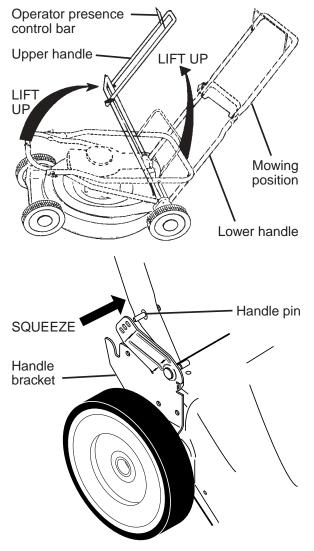
HOW TO SET UP YOUR MOWER

TO UNFOLD HANDLE

IMPORTANT: Unfold handle carefully so as not to pinch or damage control cables.

- Raise lower handle section to operating position and squeeze the bottom ends of lower handle towards each other until the pin in handle can be inserted into one of the three height adjustment holes.
- Rémove protective padding, raise upper handle section into place on lower handle and tighten both handle knobs.
- 3. Remove any packing material from around control bar.

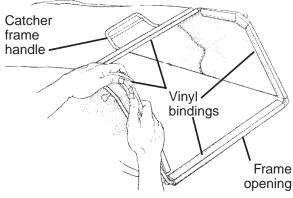
Your lawn mower handle can be adjusted for your mowing comfort. Refer to "AD-JUST HANDLE" in the Service and Adjustments section of this manual.



TO ASSEMBLE GRASS CATCHER

- Put grass catcher frame into grass bag with rigid part of bag on the bottom. Make sure the frame handle is outside of the bag top.
- 2. Slip vinyl bindings over frame.

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.



TO INSTALL ATTACHMENTS

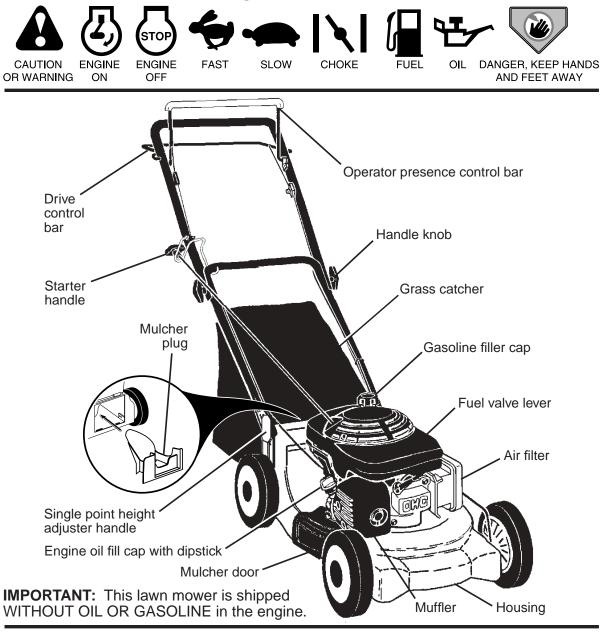
Your lawn mower was shipped ready to be used as a mulcher. To convert to bagging, see "TO CONVERT MOWER" in the Operation section of this manual.

OPERATION

KNOW YOUR LAWN MOWER

READ THIS OWNER'S MANUAL AND ALL 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.

These symbols may appear on your lawn mower or in literature supplied with the product. Learn and understand their meaning.



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. **Drive control bar** – used to engage power-propelled forward motion of mower. **Single point height adjuster** – used to adjust cutting height of lawn mower. Starter handle – used for starting engine. Mulcher door – allows conversion to discharging or bagging operation. Mulcher plug – located at the rear discharge opening. Must be removed when converting to bagging operation.



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 while operating your lawn mower or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn over spectacles.

HOW TO USE YOUR LAWN MOWER ENGINE SPEED

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

ENGINE ZONE CONTROL

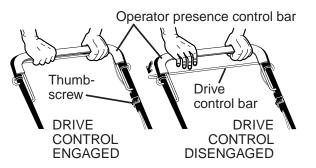
ACAUTION: Federal regulations require an engine control to be installed on this lawn mower in order to minimize the risk of blade contact injury. Do not under any circumstances attempt to defeat the function of the operator control. The blade turns when the engine is running.

• 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.

DRIVE CONTROL

- Self-propelling is controlled by holding the operator presence control bar down to the handle and pulling the drive control bar up to the handle. The closer to the handle the bar is pulled, the faster the unit will travel.
- Forward motion will stop when either the operator presence control bar or drive control bar are released. To stop forward motion without stopping engine, release the drive control bar only. Hold operator presence control bar down against handle to continue mowing without self-propelling.

NOTE: If after releasing the drive control the mower will not roll backwards, push the mower forward slightly to disengage drive wheels.



DRIVE CONTROL ADJUSTMENT

Over time, the drive control system may become "loose", resulting in decreased speed. There is a thumbscrew on the underside of the drive control housing to increase tension on the drive cable. Proceed as follows:

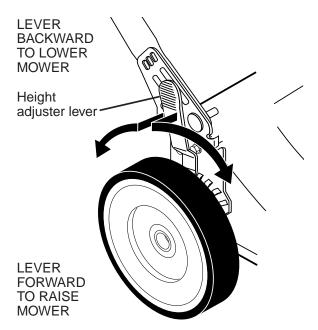
- 1. Turn unit off and disconnect spark plug wire from spark plug.
- 2. Rotate thumbscrew counter-clockwise to tighten the drive cable.
- 3. Operate mower to test drive speed.
- If condition fails to improve after the above steps (forward speed remains the same), your drive belt is worn and should be replaced.

NOTE: If mower begins to "creep" forward, the drive cable is too tight. Rotate thumbscrew clockwise to loosen drive cable.

TO ADJUST CUTTING HEIGHT

All four wheels are adjusted by a single lever.

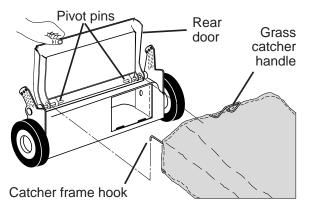
• Pull adjuster lever toward wheel. To raise mower, move lever forward to desired position. To lower mower, move the lever toward the rear.



TO ATTACH GRASS CATCHER

- 1. Lift the rear door of the lawn mower and place the grass catcher frame side hooks onto the door pivot pins.
- 2. The grass catcher is secured to the lawn mower housing when the rear door is lowered onto the grass catcher frame.

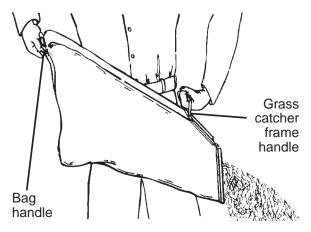
ACAUTION: Do not run your lawn mower without mulcher plug, clipping deflector or approved grass catcher in place. Never attempt to operate the lawn mower with the rear door removed or propped open.



TO EMPTY GRASS CATCHER

- 1. Lift up on grass catcher using the frame handle.
- 2. Remove grass catcher with clippings from under lawn mower handle.
- 3. Empty clippings from bag using both frame handle and bag handle.

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

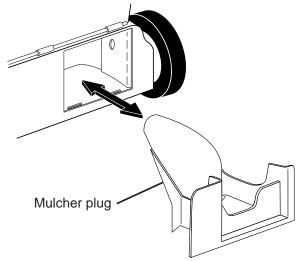


TO CONVERT MOWER

Your lawn mower was shipped ready to be used as a mulcher. To convert to bagging or discharging:

REAR BAGGING

- Open rear door and remove mulcher plug. Store mulcher plug in a safe place.
- You can now install the grass catcher or optional clipping deflector.
- To convert to mulching or discharging operation, install mulcher plug into rear discharge opening of mower.



SIDE DISCHARGING

- Mulcher plug must be installed into rear discharge opening of mower.
- Open mulcher door and install discharge deflector under door as shown.
- Mower is now ready for discharging operation.
- To convert to mulching or bagging operation, discharge deflector must be removed and mulcher door closed.

SIMPLE STEPS TO REMEMBER WHEN CONVERTING YOUR LAWN MOWER

FOR MULCHING -

- 1. Rear mulcher plug installed.
- 2. Mulcher door closed.

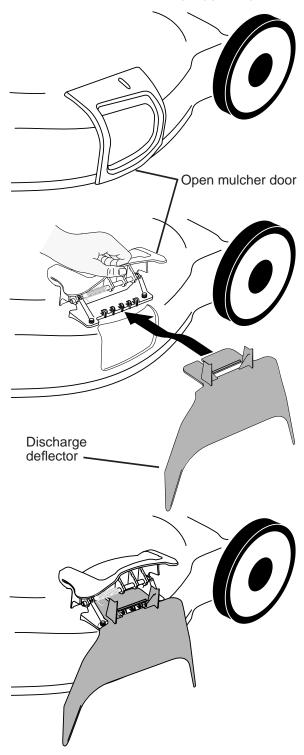
FOR REAR BAGGING -

- 1. Rear mulcher plug removed.
- 2. Grass catcher installed.
- 3. Mulcher door closed.

FOR SIDE DISCHARGING -

- 1. Rear mulcher plug installed.
- 2. Discharge deflector installed.

ACAUTION: Do not run your lawn mower without mulcher plug, clipping deflector or approved grass catcher in place. Never attempt to operate the lawn mower with the rear door removed or propped open.



BEFORE STARTING ENGINE

ADD OIL

Your lawnmower is shipped without oil in the engine. For type and grade of oil to use, see "ENGINE" in the Maintenance section of this manual. **CAUTION:** DO NOT overfill engine with oil, or it will smoke on startup.

- 1. Be sure lawnmower is level.
- Remove oil fill cap/dipstick from oil fill spout.
- You recieve a container of oil with the unit. Slowly pour the entire container down the oil fill spout into the engine.
- 4. Insert and tighten oil fill cap/dipstick.

IMPORTANT:

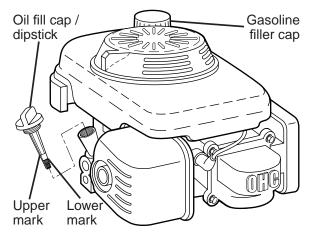
- Check oil level before each use. Add oil if needed. Fill to full line on dipstick.
- Change the oil after every 25 hours of operation or each season. You may need to change the oil more often under dusty, dirty conditions. See "TO CHANGE ENGINE OIL" in the Maintenance section of this manual.

ADD GASOLINE

• Fill fuel tank to bottom of tank filler neck. Do not overfill. Use fresh, clean, regular unleaded gasoline with a minimum of 87 octane. Do not mix oil with gasoline. Purchase fuel in quantities that can be used within 30 days to assure fuel freshness.

A CAUTION: Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

CAUTION: 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. Empty 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 STOP ENGINE

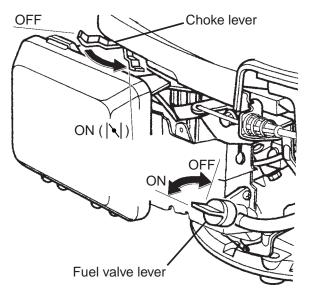
 To stop engine, release operator presence control bar. Wait until blade and all moving parts have stopped and turn fuel valve to OFF position if you do not intend to restart the engine soon.

TO START ENGINE

NOTE: Due to protective coatings on the engine, a small amount of smoke may be present during the initial use of the product and should be considered normal.

- 1. Be sure fuel valve is in the ON position.
- 2. Move choke lever to ON ($| \mathbf{x} |$) position.
- Hold operator presence control bar down to the handle and pull starter handle quickly. Do not allow starter rope to snap back.

NOTE: The choke lever automatically begins moving to the OFF position when operator presence control bar is held down to handle.



MOWING TIPS

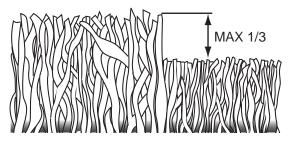
- Under certain conditions, such as very tall grass, it may be necessary to raise the height of cut to reduce pushing effort and to keep from overloading the engine and leaving clumps of grass clippings. It may also be necessary to reduce ground speed and/or run the lawn mower over the area a second time.
- For extremely heavy cutting, reduce the width of cut by overlapping previously cut path and mow slowly.
- For better grass bagging and most cutting conditions, the engine speed should be set in the FAST position.

- 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.

MULCHING MOWING TIPS

IMPORTANT: For best performance, keep mower housing free of built-up grass and trash. See "CLEANING" in the Maintenance 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, yet the newly cut area will not be exposed to direct sunlight.
- 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. 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 grass, reduce your width of cut by overlapping previously cut path and mow slowly.



- 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 (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.

MAINTENANCE

| | MAINTENANCE Schedule | BEFORE EACH USE | AFTER EACH USE | EVERY 10 HOURS | EVERY 25 HOURS OR SEASON | EVERY 100 HOURS | BEFORE STORAGE |
|------------|-------------------------------------|-----------------------|----------------------|----------------------|--------------------------------|-----------------------|-------------------|
| | Check for Loose Fasteners | ~ | | | | | ~ |
| I. | Clean / Inspect Grass Catcher * | v | ~ | | | | ~ |
| Ŵ | Check Tires | v | | | | | |
| IN | Check Drive Wheels *** | V | | | | | |
| [] | Clean Lawn Mower **** | | ~ | | | | ~ |
| Μ | Clean under Drive Cover *** | | | ~ | | | |
| 0 | Check Drive Belt / Pulleys *** | | | | ✓ | | |
| W | Check / Sharpen / Replace Blade | | | | ✔3 | | |
| ER | Lubrication | | | | ~ | | |
| | Clean and Recharge Battery ** | | | | ~ | | ✓4 |
| | Check Engine Oil level | ✓5 | | | | | |
| Е | Change Engine Oil | | | | 1,2 | | |
| N | Clean Air Filter | | | | ✓2 | | |
| G | Inspect Muffler | | | | ✓ | | |
| Ň | Replace Spark Plug | | | | | ~ | |
| Ë | Replace Air Filter Paper Cartridge | | | | | ✔2 | |
| | Empty fuel system or add Stabilizer | | | | | | ~ |

* (if so equipped)

Change more often if operating under a heavy load or in high outdoor temperatures.
 Service more often if operating in dirty or dusty conditions.

** Electric-Start mowers

*** Power-Propelled mowers

3 - Replace blades more often when mowing in sandy soil.4 - Charge 48 hours at end of season.

**** Use a scraper to clean under deck

5 - And after each 5 hours of use.

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 unit as instructed in this manual.

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

At least once a season, check to see if you should make any of the adjustments described in the Service and Adjustments section of this manual.

- At least 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 assure proper air-fuel mixture and help your engine run better and last longer.
- Follow the maintenance schedule in this manual.

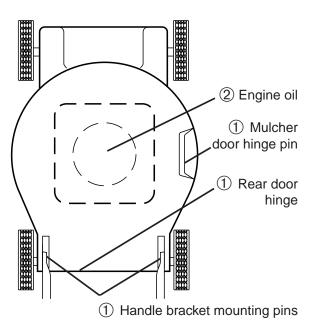
BEFORE EACH USE

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

LUBRICATION

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

LUBRICATION CHART



Spray lubricant See "ENGINE" in Maintenance 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.

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.

DRIVE WHEELS

Check rear drive wheels each time you mow to be sure they move freely. The wheels not turning freely means trash, grass cuttings, etc., may be inside the drive wheel and dust cover area and must be cleaned out to free drive wheels. If necessary to clean the drive wheels, check both rear wheels.

BLADE CARE

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

TO REMOVE BLADE

- 1. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.
- 2. Turn lawn mower on its side. Make sure air filter and carburetor are up.
- 3. Use a wood block between blade and mower housing to prevent blade from turning when removing blade bolt.

NOTE: Protect your hands with gloves and/or wrap blade with heavy cloth.

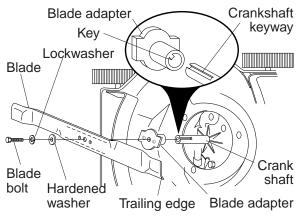
- 4. Remove blade bolt by turning counterclockwise.
- 5. Remove blade and attaching hardware (bolt, lock washer, hardened washer).

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

- 1. Position the blade adapter on the engine crankshaft. Be sure key in adapter and crankshaft keyway are aligned.
- 2. Position blade on the blade adapter aligning the two (2) holes in the blade with the raised lugs on the adapter.
- 3. 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.
- 5. 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. / 47-54 N-m.

IMPORTANT: Blade bolt is heat treated. If bolt needs replacing, replace only with approved bolt shown in the Repair Parts section of this manual.



TO SHARPEN BLADE

NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced. 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 approved replacement catcher shown in the Repair Parts section of this manual. Give the lawn mower model number when ordering.

GEAR CASE

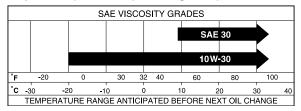
- To keep your drive system working properly, the gear case and area around the drive should be kept clean and free of trash build-up. Clean under the drive cover twice a season.
- The gear case is filled with lubricant to the proper level at the factory. The only time the lubricant needs attention is if service has been performed on the gear case.
- If lubricant is required, use only Texaco Starplex Premium 1 Grease, Part No.
- 12 750369. Do not substitute.

ENGINE

Maintenance, repair, or replacement of the emission control devices and systems, which are being done at the customers expense, may be performed by any non-road engine repair establishment or individual. Warranty repairs must be performed by an authorized engine manufacturer's service outlet.

LUBRICATION

Use only high quality detergent oil rated with API service classification SG–SL. Select the oil's SAE viscosity grade according to your expected operating temperature.



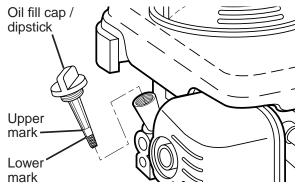
NOTE: Multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, and you should check your engine oil level frequently to avoid possible engine damage from running low on oil.

Change the oil after every 25 hours of operation or at least once a year if the lawn mower is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each five (5) hours of continuous use. Tighten oil plug securely each time you check the oil level.

TO CHANGE ENGINE OIL

NOTE: Before tipping lawn mower to drain oil, empty fuel tank by running engine until fuel tank is empty.

- 1. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.
- 2. Remove oil fill cap/dipstick; lay aside on a clean surface.
- Tip lawn mower on its side as shown and drain oil into a suitable container. Rock lawn mower back and forth to remove any oil trapped inside of engine.



- 4. Wipe off any spilled oil from lawn mower or side of engine.
- 5. Fill engine with oil. Slowly pour oil down the oil fill spout into the engine.
- Wait one minute to allow oil to settle. Use guage on oil fill cap/dipstick for checking level. Insert dipstick into the tube and rest the oil fill cap on the tube. DO NOT thread the cap into the tube when taking reading.
- Continue adding small amounts of oil and rechecking the dipstick until it reads full. DO NOT overfill, or engine will smoke on startup.
- 8. Always be sure to retighten oil fill cap/ dipstick before starting engine.
- 9. Reconnect spark plug wire to spark plug.

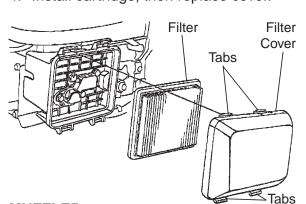
AIR FILTER

Your engine will not run properly and may be damaged by using a dirty air filter. Replace the air filter every 100 hours of operation or every season, whichever occurs first. Service air cleaner more often under dusty conditions.

TO CLEAN AIR FILTER

- 1. Remove cover.
- 2. Carefully remove cartridge.
- Clean by gently tapping on a flat surface. If very dirty, replace cartridge.

ACAUTION: Petroleum solvents, such as kerosene, are not to be used to clean cartridge. They may cause deterioration of the cartridge. Do not oil cartridge. Do not use pressurized air to clean or dry cartridge. 4. Install cartridge, then replace cover.



MUFFLER

Inspect and replace corroded muffler as it could create a fire hazard and/or damage.

SPARK PLUG

Replace spark plug at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in the "PRODUCT SPECIFIC-ATIONS" section of this manual.

CLEANING

IMPORTANT: For best performance, keep mower housing free of built-up grass and trash. Clean the underside of your mower after each use.

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

- Clean underside of mower by scraping to remove build-up of grass and trash.
- Clean engine often to keep trash from accumulating. A clogged engine runs hotter and shortens engine life.

- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- 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 shortened engine life.

CLEAN UNDER DRIVE COVER

Clean under drive cover at least twice a season. Scrape underside of cover with putty knife or similar tool to remove any build-up of trash or grass on underside of drive cover.

SERVICE AND ADJUSTMENTS

AWARNING: To avoid serious injury, before performing any service or adjustments:

- 1. Release control bar and stop engine.
- 2. Make sure the blade and all moving parts have completely stopped.
- 3. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

LAWN MOWER

TO ADJUST CUTTING HEIGHT

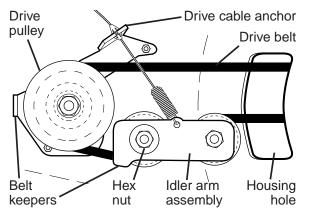
See "TO ADJUST CUTTING HEIGHT" in the Operation section of this manual.

REAR DEFLECTOR

The rear deflector, attached between the rear wheels of your mower, is provided to minimize the possibility that objects will be thrown out of the rear of the mower into the operator mowing position. If the deflector becomes damaged, it should be replaced.

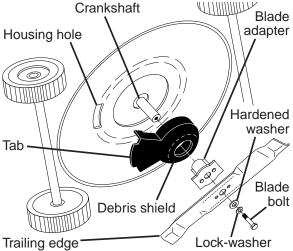
TO REMOVE DRIVE BELT

- 1. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.
- 2. Remove screws retaining drive cover (not shown); and remove drive cover from lawn mower housing.
- Remove drive cable from anchor, then detach spring from idler arm assembly.



- 4. Remove idler arm assembly from housing by removing hex nut; then remove drive belt from drive pulley, belt keepers and idler arm assembly.
- 5. 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.

NOTE: Protect your hands with gloves and/or wrap blade with heavy cloth.



- 7. Remove blade bolt.
- Remove blade, attaching hardware (bolt, lock washer and hardened washer), blade adapter and debris shield. Note that the debris shield has a tab which fits into the housing hole.
- 9. Remove drive belt from engine pulley; discard old belt.

TO REPLACE DRIVE BELT

- 1. Place new drive belt on engine pulley.
- 2. Route the other end of the new drive belt through hole in housing.
- 3. Return mower to upright position.
- Install new drive belt into idler arm assembly, then around the drive pulley. Be sure belt is inside of belt keepers.
- 5. Reattach idler arm assembly with hex nut previously removed.
- 6. Turn lawn mower on its side. Make sure air filter and carburetor are up.
- 7. Reattach debris shield to housing with tab of debris shield in housing hole.
- Position blade on the blade adapter aligning the two (2) holes in the blade with the raised lugs on the adapter.
- 9. Be sure the trailing edge of blade (opposite sharp edge) is up toward the engine as shown.
- 10. Install the blade bolt with the lock washer and hardened washer into blade adapter and crankshaft.
- 11. 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.

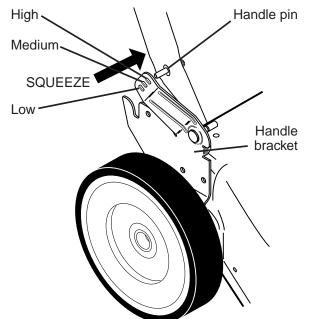
IMPORTANT: Blade bolt is heat treated. If bolt needs replacing, replace only with approved bolt shown in the Repair Parts section of this manual.

- 12. Return mower to upright position.
- 13. Reattach drive cable spring to the idler arm assembly, then reattach drive cable to anchor.
- 14. Reattach drive cover with screws previously removed.
- 15. Connect spark plug wire to spark plug.

TO ADJUST HANDLE

The handle on your lawn mower has three (3) height positions - adjust to height that suits you.

 Squeeze the bottom ends of lower handle towards each other until the pin in handle can be inserted into one of the three height adjustment holes.



ENGINE

Maintenance, repair, or replacement of the emission control devices and systems, which are being done at the customers expense, may be performed by any non-road engine repair establishment or individual. Warranty repairs must be performed by an authorized engine manufacturer's service outlet.

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 a Sears or other qualified service center for repair and adjustment.

CARBURETOR

Your carburetor is not adjustable. If your engine does not operate properly due to suspected carburetor problems, take your lawn mower to a Sears or other qualified service center for repair or adjustment. **IMPORTANT:** Never tamper with the engine governor, which is factory set for proper engine speed. Overspeeding the engine above the factory high speed setting can be dangerous. If you think the engine-governed high speed needs adjusting, contact a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.

STORAGE

Immediately prepare your lawn mower for storage at the end of the season or if the unit will not be used for 30 days or more.

LAWN MOWER

When lawn mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- 1. Clean entire lawn mower (See "CLEANING" in the Maintenance section of this manual).
- 2. Lubricate as shown in the Maintenance section of this manual.
- 3. Be sure that all nuts, bolts, screws, and pins are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- 4. Touch up all rusted or chipped paint surfaces; sand lightly before painting.

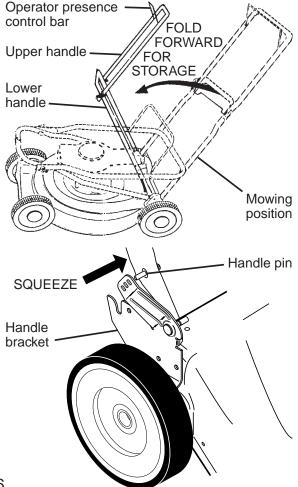
HANDLE

You can fold your mower handle for storage.

NOTE: The upper handle has an "antifold" bracket located on the right side of the handle. This bracket prevents the upper handle from folding forward, which helps protect control cable(s) from damage.

- 1. Loosen the two (2) handle knobs on sides of the upper handle and allow handle to fold down to the rear.
- 2. Squeeze the bottom ends of lower handle toward each other until pins in handle clear the brackets and pivot entire handle assembly forward and allow it to rest on mower.
- When setting up your handle from the storage position, you must manually lock lower handle into mowing position.

IMPORTANT: When folding the handle for storage or transportation, be sure to fold the handle as shown or you may damage the control cables.



ENGINE FUEL SYSTEM

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts such as carburetor, fuel filter, fuel hose or tank during storage. Also, 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.

- Empty the fuel tank by starting the engine and letting it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

NOTE: Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not empty the gas tank and carburetor if using fuel stabilizer.

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Maintenance section of this manual).

CYLINDER

- 1. Remove spark plug.
- 2. Pour 29 ml of oil through spark plug hole into cylinder.
- 3. Pull starter handle slowly a few times to distribute oil.
- 4. Replace with new spark plug.

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 will cause problems.
- If possible, store your unit indoors and cover it to protect it from dust and dirt.
- Cover your unit with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe, which allows condensation to form and will cause your unit to rust.

IMPORTANT: Never cover mower while engine and exhaust areas are still warm.

ACAUTION: Never store the lawn mower with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

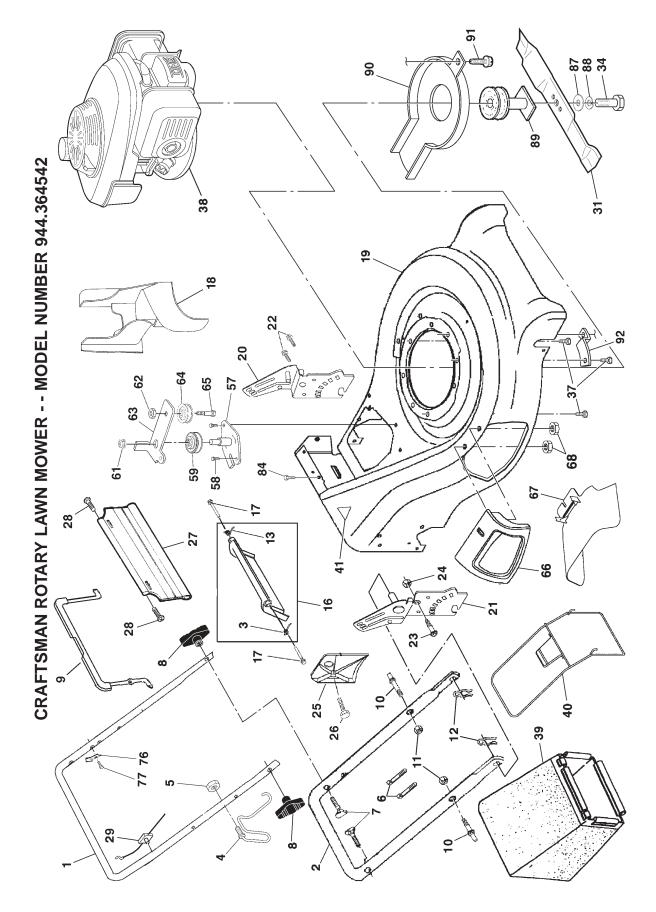
| PROBLEM | CAUSE | CORRECTION |
|----------------|--|--|
| Does not start | Dirty air filter. Out of fuel. Stale fuel. Water in fuel. Spark plug wire is disconnected. Bad spark plug. Loose blade or broken blade adapter. Control bar in released position. Control bar defective. Fuel valve lever (if so equipped) in OFF position. Weak battery (if equipped). Disconnected battery connector (if equipped). | Clean/replace air filter. Fill fuel tank. Empty fuel tank and refill tank with fresh, clean gasoline. Empty fuel tank and refill tank with fresh, clean gasoline. Connect wire to plug. Replace spark plug. Tighten blade bolt or replace blade adapter. Depress control bar to handle. Replace control bar. Turn fuel valve lever to the ON position. Charge battery. Connect battery to engine. |
| Loss of power | Rear of lawn mower housing or cutting blade dragging in heavy grass. Cutting too much grass. Dirty air filter. Buildup of grass, leaves, and trash under mower. Too much oil in engine. Walking speed too fast. | Raise cutting height. Raise cutting height. Clean/replace air filter. Clean underside of mower housing. Check oil level. Cut at slower walking speed. |

TROUBLESHOOTING - See appropriate section in manual unless directed to a Sears Service Centre.

TROUBLESHOOTING - See appropriate section in manual unless directed to a Sears Service Centre.

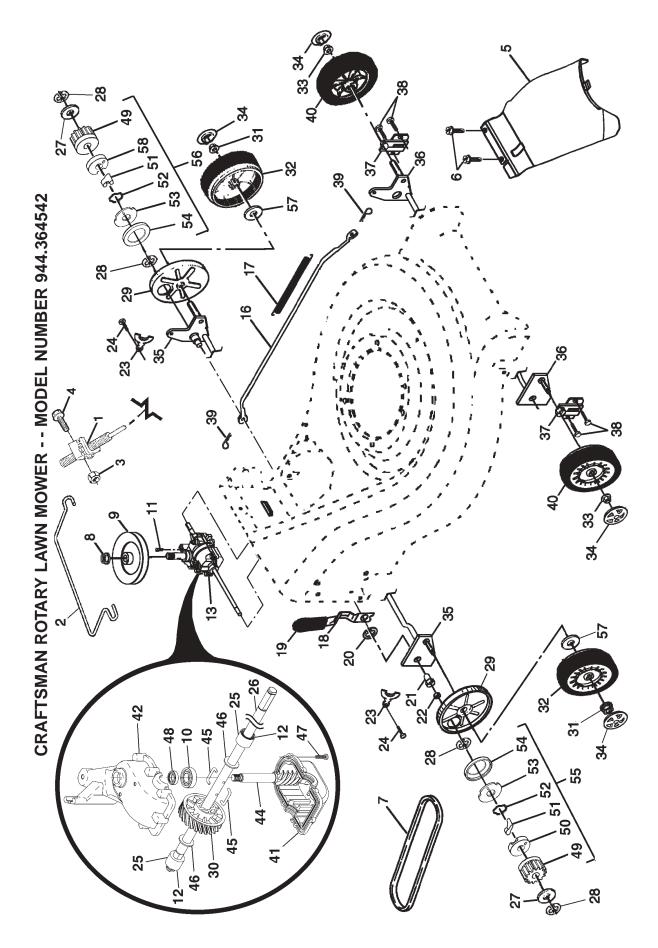
| PROBLEM | CAUSE | CORRECTION |
|--|---|--|
| Poor cut – uneven | Worn, bent or loose blade. Wheel heights uneven. Buildup of grass, leaves and trash under mower. | Replace blade. Tighten blade bolt. Set all wheels at same height. Clean underside of mower housing. |
| Excessive vibration | Worn, bent or loose blade. Bent engine crankshaft. | Replace blade. Tighten blade bolt. Contact a Sears or other qualified service center. |
| Starter rope hard to pull | Engine flywheel brake is on when control bar is released. Bent engine crankshaft. Blade adapter broken. Blade dragging in grass. | Depress control bar to upper handle before pulling starter rope. Contact a Sears or other qualified service center. Replace blade adapter. Move lawn mower to cut grass or to hard surface. |
| Grass catcher not filling (If so equipped) | Cutting height too low. Lift on blade worn off. Catcher not venting air. | Raise cutting height. Replace blade. Clean grass catcher. |
| Hard to push | Grass is too high or wheel height is too low. Rear of lawn mower housing or cutting blade dragging in grass. Grass catcher too full. Handle height position not right for you. | Raise cutting height. Raise rear of lawn mower housing one (1) setting higher. Empty grass catcher. Adjust handle height to suit. |
| Loss of drive or slowing of drive speed | Belt wear. Belt off of pulley. Drive cable worn or broken. "Loose" drive control system. | Check/replace drive belt. Check/reinstall drive belt. Replace drive cable. Adjust drive control. |

REPAIR PARTS



CRAFTSMAN ROTARY LAWN MOWER - - MODEL NUMBER 944.364542

| DESCRIPTION | Engine, Honda, Model Number GCV160-AS3A (See Breakdown) | | Erame. Grassbad | Danger Decal | Bracket Assembly | Screw | Pulley, V-Groove, Idler | Flanged Nut | Locknut | Idler Arm | Idler Pulley | Shoulder Bolt | Mulcher Door Assembly | Discharge Guard | Nut, Hex | Bracket, Upstop | Screw | Screw | Washer | Washer, Lock | Blade Adapter / Pulley | Debris Shield | Screw | Mounting Bracket, Debris Shield | Warning Decal (not shown) | Owner's Manual, English | Owner's Manual, French | | NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm |
|-------------------|--|---------------------|--------------------------------|---|------------------|------------------------------|-------------------------|-------------|----------------|--|-----------------|-----------------------|-----------------------------------|-----------------|---------------|-----------------|----------------------------|-----------------------------|------------------------|------------------------------|--|---------------|-----------------|---------------------------------|----------------------------|----------------------------|------------------------|----------------|---|
| PART NO. | | 100016 | 188817 | 107339X | 179783X004 | 57808 | 184543 | 145212 | 155552 | 179719X004 | 166043 | 160829 | 183058X428 | 169699X428 | 88349 | 850733X004 | 750634 | 54583 | 851074 | 850263 | 189179 | 188786 | 188040 | 188839X004 | 162300 | 192883 | 192882 | | 'E: All component dir 1 inch = 25.4 mm |
| KEY NO. | 38 | 00 | 0 0 0 0 | 4 | 57 | 58 | 59 | 61 | 62 | 63 | 64 | 65 | 99 | 67 | 68 | 76 | 77 | 84 | 87 | 88 | 89 | 06 | 91 | 92 | ; | ; | ; | | LON |
| DESCRIPTION | Handle, Upper Handle, Lower | Coring Door Door DL | Rope Guide / Anti-Fold Bracket | Nut, Hex, with Lockwasher Insert 1/4-20 | Wire, Tie | Bolt, Handle 5/16-18 x 2-5/8 | Knob, Handle | Control Bar | Bolt, Carriage | Nut, Hex, with Lockwasher Insert 5/16-18 UNC | Cotter, Hairpin | Spring, Rear Door, LH | Kit, Rear Door (Includes Springs) | Bolt, Rear Door | Plug, Mulcher | Kit, Housing | Handle Bracket Asembly, LH | Handle Bracket Assembly, RH | Screw, Hex Washer Head | Bolt, Hex Head 5/16-18 x 5/8 | Nut, Hex, with Lockwasher Insert 5/16-18 | Baffle, Side | Screw #12 x 5/8 | Skirt, Rear | Screw, Hinge 1/4-20 x 1.25 | Cable, Engine Zone Control | Blade, 21 ["] | Bolt, Hex Head | Bolt, Engine |
| EY PART D. NO. | 189663X479 161105X479 | 1 06/162 | 186079 | 132004 | 66426 | 191574 | 189713X428 | 182810 | 188821 | 73930500 | 51793 | 186052 | 185855X428 | 184193 | 187535 | 181965 | 187249X479 | 187250X479 | 150078 | 163183 | 73800500 | 161333 | 163409 | 188986 | 88652 | 191221 | 189028 | 851084 | 150406 |
| KEY NO. | - N | 10 | 24 | ъ. | 9 | 2 | ø | ი | 10 | 1 | 12 | 13 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 31 | 34 | 37 |

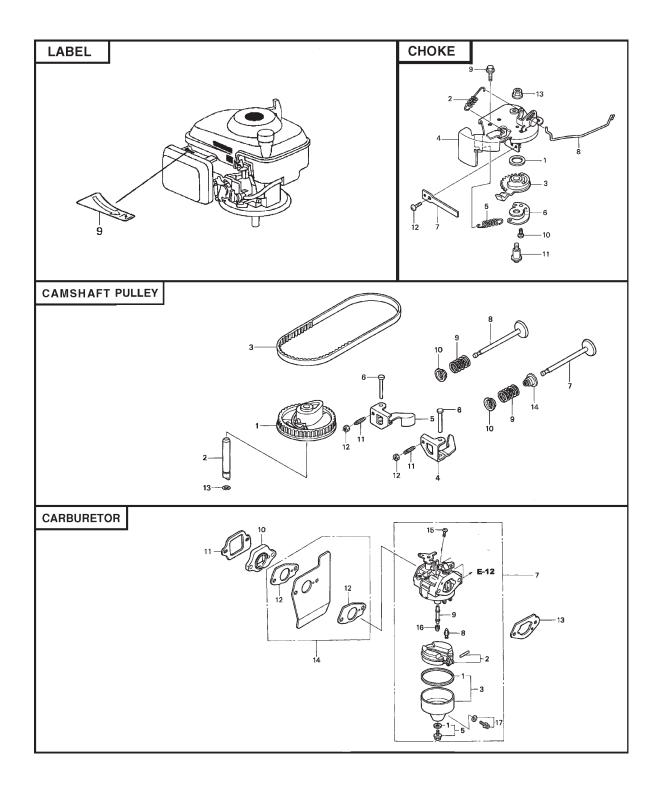


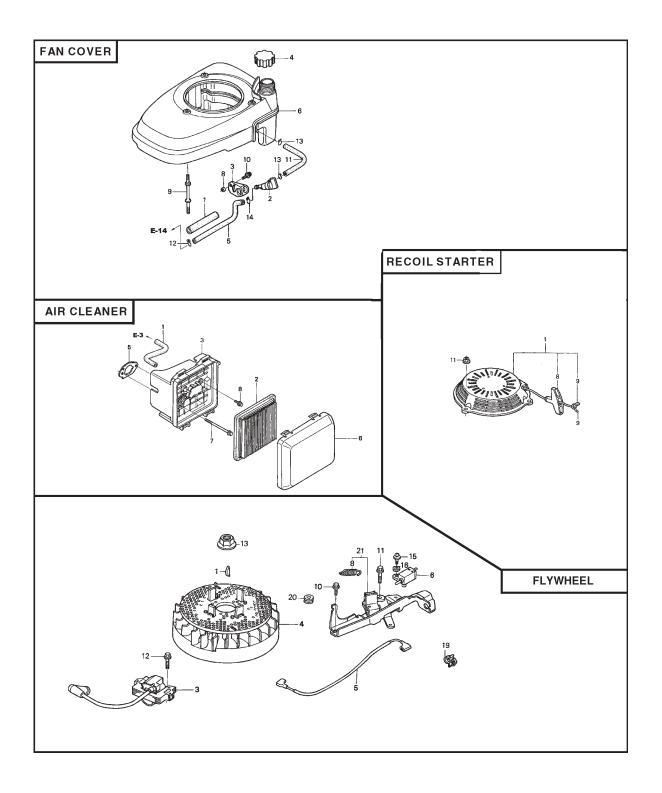
CRAFTSMAN ROTARY LAWN MOWER - - MODEL NUMBER 944.364542

| | DESCRIPTION | 4 Wheel 9 x 2 | Nut, Flangelock 3/8-16 | ~ | 89180X004 Shaft Assembly, Rear | 60786X004 Shaft Assembly, Front | | | 9 Clip, Retainer | - | 0 * Case, Lower | * | | | - | | | | 2 Retainer, Drive, RH | 8 Pawl | | | | D Pinion Assembly, RH | 1 Pinion Assembly, LH | Washer | 5 Retainer, Drive, LH | | * Use Dow Corning #709 to reseal Gear Case Halves. | NOTE: All component dimensions given in U.S. inches. |
|--------|-------------|------------------------|------------------------|----------|--------------------------------|---------------------------------|--------------------------------------|--------|-------------------------------------|---------------|-----------------|--------|--------------------|------------------------------|-----------------|------------------|------------------|-----------------------|-----------------------|-----------------|---------------|--------------------------|---------------------------------------|-----------------------|-----------------------|----------------------------|-----------------------|--------------------|--|--|
| PART | NO. | 180774 | 83923 | 180626 | 18918 | 16078 | 161463 | 163409 | 700279 | 150339 | 187530 | 187531 | 187533 | 183505 | 183509 | 183513 | 18351 | 175103 | 175102 | 175098 | 188291 | 175104 | 184172 | 188330 | 188331 | 67725 | 175105 | | ie Dow C | : All cor |
| | NO. | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | | s N * | NOTE |
| | DESCRIPTION | Drive Control Assembly | Control Bar, Drive | Nut, Hex | Screw | Cover Drive | Screw, Threaded, Rolled #10-25 x .50 | V-Belt | Nut, Flangelock, Zinc Plated 3/8-16 | Pulley, Drive | Bearing, Ball | Screw | Seal, Output Shaft | Gear Case Assembly, Complete | Rod. Connecting | Spring Extension | Spring. Selector | Knob. Selector Spring | E-Rind 7/8 | Bearing Support | Bearing, Ball | Retainer. Drive Assembly | Screw. Tapping. Hex Head 1/4-20 x. 75 | Bushina | Shaft, Output | Washer, Shim (as required) | E-Ring 7/16 | Cover, Dust, Wheel | Gear, 24 Teeth | Nut, Flangelock |
| Y PART | .NO. | 189181 | 188952X428 | 751152 | 185681 | 161537X428 | 750634 | 182212 | 132010 | 189408 | 183506 | 187653 | 2 183508 | 3 188645 | 3 161584 | 7 161602 | 3 188953X004 | - | . ~ | - - | · · · | · - | 21 | | - | 52160 | 3 12000058 | 189403 | 0 187532 | 145212 |
| KEY | Ň | - | 2 | ო | 4 | 5 2 | 9 | 7 | 00 | 6 | 10 | 1 | 12 | -0 | 16 | 17 | 18 | 100 | 5.0 | 5.5 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 26 | 30 | 31 |

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

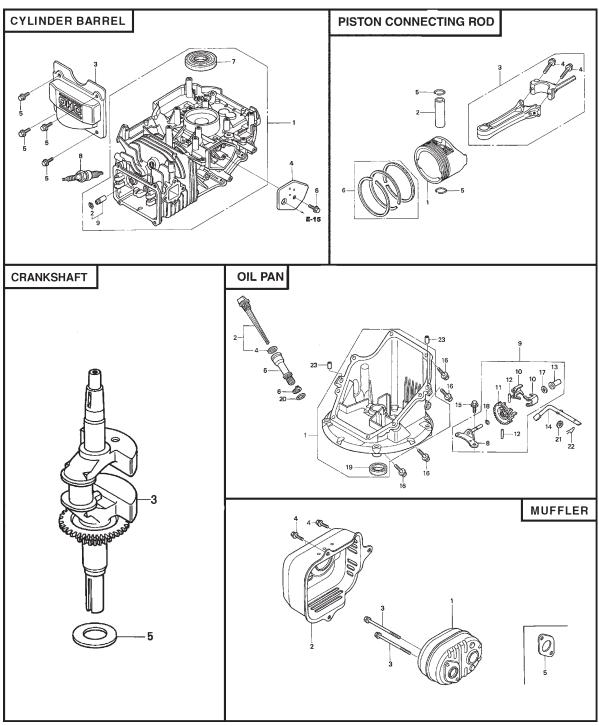
23





HONDA 4-CYCLE ENGINE

MODEL NUMBER GCV-160-AS3A



CHOKE **KEY PART** DESCRIPTION NO. NO. 7257157 1 2 3 4209581 7257165 4 5 6 7 8 9

| NO. | NO. | DESCRIPTION |
|-----|---------|----------------------------|
| 1 | 7257157 | Seal, Choke Lever |
| 2 | 4209581 | Spring, Cable Return |
| 3 | 7257165 | Lever, Choke |
| 4 | 7257173 | Base Comp., Choke |
| 5 | 7257181 | Spring, Choke Lever |
| 6 | 7257199 | Hook, Choke Spring |
| 7 | 7257207 | Plate, Choke |
| 8 | 7229867 | Rod, Stop |
| 9 | 0747733 | Bolt, Flange #6 x 16 |
| 10 | 3674413 | Screw, Tapping #4 x 8 (PO) |
| 11 | 2544690 | Screw, Pan Head #5 x 19 |
| 12 | 0369017 | Screw, Pan Head #4 x 8 |
| 13 | 0636951 | Nut, Flange 5 mm |
| | | |

CAMSHAFT PULLEY KEY PART

| NO. | NO. | DESCRIPTION |
|-----|---------|-------------------------------|
| 1 | 7049679 | Pulley Comp., Camshaft |
| 2 | 5580063 | Shaft, Cam Pulley |
| 3 | 7058985 | Belt, Timing (84HU7 G-200) |
| 4 | 5580089 | Rocker Arm, Intake Valve |
| 5 | 5580097 | Rocker Arm, Exhaust Valve |
| 6 | 5580105 | Shaft, Rocker Arm |
| 7 | 5580113 | Valve, Intake |
| 8 | 5580121 | Valve, Exhaust |
| 9 | 5580139 | Spring, Valve |
| 10 | 1426980 | Retainer, Intake Valve Spring |
| 11 | 0294819 | Screw, Tappet Adjusting |
| 12 | 0004598 | Nut, Tappet Adjusting |
| 13 | 6315873 | O-Ring 6.8 x 1.9 (ARAI) |
| 14 | 6839831 | Seal, Valve Stem |
| | | |

HONDA 4-CYCLE ENGINE

| LABI KEY NO. 9 | PART | DESCRIPTION Mark, Choke Indication |
|--|--|--|
| | BURETOR PART NO. 3088416 5580162 3465879 1441518 7301138 5580212 5580220 5580238 5580246 4581120 5580253 5580253 5580535 0639419 0635474 0635482 0636126 1672187 | DESCRIPTION Packing Set Float Set Chamber Set, Float Screw Set Carburetor Asssembly (BB62G Valve, Float Nozzle, Main Insulator, Carburetor Packing, Insulator Packing, Carburetor Packing, Carburetor Guide Comp., Air Screw, Pan Head #5 x 6 Jet, Main #60 Jet, Main #65 Screw Set, Drain |
| | COVER PART NO. 3683646 7357379 5189352 6673289 5580469 7399371 6978399 5581004 0671636 6754279 0250647 0250985 0053447 | DESCRIPTION Rubber Supporter (107 mm) Cock Assembly, Fuel Bracket, Fuel Cock Cap Assembly, Fuel Tank Tube, Fuel Cover Comp., Fan (T89) Collar, Fuel Cock Bolt, Stud Screw, Washer Head #5 x 10 Tube, Fuel Tank Clip, Tube (B8) Clip, Tube (1310) Clip, Tube (C9) |
| | CLEANER PART NO. 5720289 6718159 5580410 5664560 6673255 5580964 2374742 | DESCRIPTION Tube, Breather Element, Air Cleaner Case Assembly, Air Cleaner Packing, Air Cleaner Cover, Air Cleaner Bolt, Flange #6 x 86 (CT200) Bolt, Flange #6 x 14 |
| REC KEY NO. 1 8 9 11 | DIL START PART NO. 6092886 5580634 5580642 6478812 | ER DESCRIPTION Starter Assembly, Recoil Grip, Starter Rope, Recoil Starter Nut, Flange 6 mm |
| PIST KEY NO. 1 2 3 4 5 | ON / CONF PART NO. 5580014 1426576 5580022 1431055 2605517 | VECTING ROD DESCRIPTION Piston Pin, Piston Rod Assembly, Connecting Bolt, Connecting Rod Clip. Piston Pin 13 mm |

5

6

2605517

5655949 7154727 Clip, Piston Pin 13 mm

Ring Set, Piston (Riken)

Ring Set, Piston (Teikoku)

MODEL NUMBER GCV-160-AS3A

| CYL KEY | INDER BA PART | RREL |
|---|--|--|
| NO. 1 2 3 4 5 6 7 8 9 | | DESCRIPTION Barrel Assembly, Cylinder Clip, Valve Guide Cover, Head Cover Comp., Breather Bolt, Flange #6 x 12 (CT200) Bolt, Flange #6 x 14 (CT200) Oil Seal 25A x 62 x 6 Plug, Spark (BPR6ES) (NGK) Guide, Exhaust Valve (O.S.) |
| KEY | NHEEL PART | |
| NO. 1 3 4 5 6 8 10 11 12 13 15 16 19 20 21 | NO. 0348433 6859722 6859714 6315816 5580683 5580790 0803619 1725050 0671552 0442038 0485946 1510361 1824630 1240845 7301591 | DESCRIPTION Key, Special, Woodruff #25 x 18 Coil Assembly, Ignition Flywheel Assembly Cord, Stop Switch Switch Assembly, Engine Stop Spring, Brake Lever Bolt, Flange #6 x 14 (CT200) Bolt, Flange #6 x 23 (CT200) Bolt, Flange #6 x 20 (CT200) Nut, Special 14 mm Screw, Washer Head #4x12 Washer, Plain 4 mm Clip A, Cable Grommet A, Rear Cover Brake Sub-Assembly |

CRANKSHAFT

A)

| KEY | PART | |
|-----|---------|------------------|
| NO. | NO. | DESCRIPTION |
| 3 | 5664495 | Crankshaft Comp. |
| 5 | 5581012 | Washer, Thrust |

OIL PAN KEY PART NO. NO. DESCRIPTION 6771489 Pan Assembly, Oil 1 2 5716915 Gauge Assembly, Oil Level 4 1452754 Packing, Oil Filler cap 5 Extension, Oil Filler 5664503 6 5664511 Washer, Extension Rock 8 6384341 Shaft Comp., Governor Holder 9 6384333 Governor Assembly Weight, Governor Holder, Governor Weight 10 5580287 5580295 11 Pin, Governor Weight 12 1427244 13 1427251 Slider, Governor 5580303 Shaft, Governor Arm 14 Bolt, Flange #6 x 14 (CT200) Bolt, Flange #6 x 25 15 0803619 0748111 16 Washer, Thrust 6 mm 17 2413862 18 2456697 Clip, Governor Holder 5581046 19 Oil Seal 28 x 41.25 x 6 O-Ring 14.8 x 2.4 (NOK) Washer, Plain 6 mm 20 1377704 21 0345900 22 0115527 Pin, Lock 8 mm 23 1417369 Dowel Pin #8 x 20

MUFFLER

| KEY | PART | |
|-----|---------|------------------------------|
| NO. | NO. | DESCRIPTION |
| 1 | 5580485 | Muffler Comp. |
| 2 | 5664610 | Protector, Muffler (CBU) |
| 3 | 5580972 | Bolt, Flange #6 x 79 (CT200) |
| 4 | 0636845 | Bolt, Flange #6 x 12 (CT200) |
| 5 | 5737457 | Gasket, Muffler |

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