SAFETY RULES

Safe Operation Practices for Walk-Behind Mowers

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.

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.
- Never pull mower backwards unless absolutely necessary. Always look down and behind before and while moving backwards.
- Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade 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 restarting 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.

DO:
- 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.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SAFE HANDLING OF GASOLINE

Use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.
- Extinguish all cigarettes, cigars, pipes and other sources of ignition.
- Use only an approved container.
- Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling.
CONGRATULATIONS on your purchase of a new 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 authorized service center/department. We have competent, well-trained technicians and the proper tools to service or repair this lawn mower.

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

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Gasoline Capacity</td>
<td>1.0 Quarts</td>
</tr>
<tr>
<td>Type:</td>
<td>(Unleaded Regular Only)</td>
</tr>
<tr>
<td>Oil Type (API-SF-SJ):</td>
<td>SAE 10W-30</td>
</tr>
<tr>
<td>Oil Capacity:</td>
<td>18.5 Ounces</td>
</tr>
<tr>
<td>Spark Plug:</td>
<td>NGK BPR6ES (Gap: .030&quot;)</td>
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<tr>
<td>Valve Clearance:</td>
<td>Intake: 0.015 mm, Exhaust: 0.020 mm</td>
</tr>
<tr>
<td>Blade Bolt Torque:</td>
<td>35-40 ft. lbs.</td>
</tr>
</tbody>
</table>

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.

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</tbody>
</table>
ASSEMBLY

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 LAWN MOWER FROM CARTON
1. Remove loose parts included with mower.
2. Cut down two end corners of carton and lay end panel down flat.
3. Remove all packing materials except padding between upper and lower handle and padding holding operator presence control bar to upper handle.
4. 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 Figs. 1 and 2)
IMPORTANT: UNFOLD HANDLE CAREFULLY SO AS NOT TO PINCH OR DAMAGE CONTROL CABLES.
1. Raise handles until lower handle section locks into place in mowing position.
2. Remove protective padding, raise upper handle section into place on lower handle and tighten both handle knobs.
3. Remove handle padding holding operator presence control bar to upper handle.

Your handles may be adjusted for your mowing comfort. Refer to “ADJUST HANDLE” in the Service and Adjustments section of this manual.

TO ASSEMBLE GRASS CATCHER
(See Fig. 2)
1. 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 mower to bagging or discharging, see “TO CONVERT MOWER” in the Operation section of this manual.
**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.

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

- **CAUTION** OR **WARNING**
- **ENGINE ON**
- **ENGINE OFF**
- **FAST**
- **SLOW**
- **CHOKE**
- **FUEL**
- **OIL**
- **DANGER, KEEP HANDS AND FEET AWAY**

**MEETS CPSC SAFETY REQUIREMENTS**

Our 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.

**DRIVE CONTROL BAR** – used to engage power-propelled forward motion lawn mower.

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

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

DRIVE CONTROL (See Fig. 3)
• 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.

• To keep drive control engaged when turning corners, push down on the handle to lift the front wheels off the ground while turning lawn mower.

2. Rotate thumbscrew counter-clockwise to tighten the drive cable.
3. Operate mower to test drive speed.
4. 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, drive cable is too tight. Rotate thumbscrew clockwise to loosen drive cable.

TO ADJUST CUTTING HEIGHT (See Fig. 4)
Raise wheels for low cut and lower wheels for high cut, 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.

NOTE: Adjuster is properly positioned when plate tab inserts into hole in lever. Also, 9-position adjusters (if so equipped) allow lever to be positioned between the plate tabs.

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

REAR BAGGING (See Fig. 5)
• Lift rear door of the lawn mower and place the grass catcher frame hooks onto the door pivot pins.
• To convert to mulching or discharging operation, remove grass catcher and close rear door.

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 plug.

LEVER FORWARD TO RAISE MOWER
LEVER BACKWARD TO LOWER MOWER

LEVER
PIVOT PINS
REAR DOOR
GRASS CATCHER HANDLE
CATCHER FRAME HOOK

FIG. 5

FIG. 4

FIG. 3

OPERATOR PRESENCE CONTROL BAR
THUMB-SCREW
DRIVE CONTROL ENGAGED
DRIVE CONTROL DISENGAGED

DRIVE CONTROL ADJUSTMENT (See Fig. 3)
OPERATION

SIDE DISCHARGING (See Fig. 6)
- Rear door must be closed.
- 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 must be closed.

TO EMPTY GRASS CATCHER (See Fig. 7)
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.

BEFORE STARTING ENGINE
ADD OIL (See Fig. 8)
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.

1. Be sure lawnmower is level.
2. Remove oil dipstick from oil fill spout.
3. You receive a container of oil with the unit. Slowly pour the entire container down the oil fill spout into the engine.
4. Insert and tighten 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.
OPERATION

MOWING TIPS

CAUTION: Do not use de-thatcher blade attachments on your mower. Such attachments are hazardous, will damage your mower and could void your warranty.

- 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 off 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.

ADD GASOLINE (See Fig. 8)

- 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.

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

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 (See Fig. 9)

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 (\N) position.
3. 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.
**OPERATION**

- 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 (See Fig. 10). 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 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.

**FIG. 10**

- 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**

<table>
<thead>
<tr>
<th>MAINTENANCE SCHEDULE</th>
<th>BEFORE EACH USE</th>
<th>AFTER EACH USE</th>
<th>EVERY 10 HOURS</th>
<th>EVERY 25 HOURS OR SEASON</th>
<th>EVERY 100 HOURS</th>
<th>BEFORE STORAGE</th>
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<td>Empty fuel system or add Stabilizer</td>
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<td></td>
</tr>
</tbody>
</table>

* (if so equipped)
** Electric-Start mowers
*** Power-Propelled mowers
**** Use a scraper
to clean under deck

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

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

LUBRICATION
Keep unit well lubricated (See “LUBRICATION CHART”).
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.

LUBRICATION CHART

DRIVE WHEELS
Check front drive wheels each time you mow to be sure they move freely.
The wheels not turning freely means trash, grass cuttings, etc. are in the drive wheel area and must be cleaned to free drive wheels.
If necessary to clean the drive wheels, be sure to clean both front wheels.
1. Remove hubcaps, locknuts and washers.
2. Remove wheels from wheel adjusters.
3. Remove any trash or grass cuttings from inside the dust cover, pinion and/or drive wheel gear teeth.
4. Put wheels back in place.
NOTE: If after cleaning, the drive wheels do not turn freely, contact a qualified service center.

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

CAUTION: Use only a replacement blade approved by the manufacturer of your mower. Using a blade not approved by the manufacturer of your mower is hazardous, could damage your mower and void your warranty.

TO REMOVE BLADE (See Fig. 11)
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 counter-clockwise.
5. 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.

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.
MAINTENANCE

TO REPLACE BLADE (See Fig. 11)
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.
4. 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.

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. 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 ELF Multis EP00. 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 SF-SJ. Select the oil’s SAE viscosity grade according to your expected operating temperature.

<table>
<thead>
<tr>
<th>SAE VISCOSITY GRADES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE 30</td>
</tr>
<tr>
<td>10W-30</td>
</tr>
</tbody>
</table>

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 (See Figs. 12 & 13)
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 engine oil cap; lay aside on a clean surface.
3. 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 mower or side of engine.
5. Fill engine with oil. The engine oil capacity is 18.5 oz. If oil is not completely drained from engine, you may not need the entire container of a 20 oz. bottle of oil. Slowly pour 3/4 of the oil from the container down the oil fill spout into the engine.

FIG. 12
MAINTENANCE

6. Wait one minute to allow oil to settle. Use gauge 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.

FIG. 13

7. 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 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. See the maintenance section of your engine manual.

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

SERVICE AND ADJUSTMENTS

CAUTION: 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 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's mowing position. If the deflector becomes damaged, it should be replaced.

TO REMOVE DRIVE BELT (See Fig. 14)

1. Remove drive cover and belt keeper.
2. Remove belt from gearcase pulley by pushing down on pulley and rolling belt off it.
3. Turn lawn mower on its side with air filter and carburetor down.
4. Remove blade and debris shield.
5. Remove belt from engine pulley on crankshaft.

MUDDLER

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 SPECIFICATIONS” 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.

- Clean the underside of your lawn 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/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

TO REPLACE DRIVE BELT (See Fig. 15)
1. Place new drive belt in belt retainers of debris shield.
2. Route the other end of the new drive belt through hole in housing.
3. Reinstall debris shield and blade.
4. Return mower to upright position.
5. Install new belt on gearcase pulley.
6. Reinstall belt keeper and drive cover.

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

FIG. 15

BELT RETAINERS

DEBRIS SHIELD

DRIVE BELT

FIG. 16

LOWER HANDLE

ROTATE

FIG. 17

MOWING POSITION

MOWING POSITION

HAIRPIN COTTER

MOUNTING PIN

LOW POSITION

HANDLE BRACKET

HIGH POSITION

TO ADJUST HANDLE (See Figs. 16 and 17)
The handle can be mounted in a high or low position. The mounting holes in the bottom of lower handle are off center for raising or lowering the handle.
1. Remove upper handle and all wire tie(s) securing cable(s) to lower handle.
2. Remove hairpin cotters from lower handle bracket mounting pin.
3. Squeeze lower handle in to remove it from mounting pins.
4. Turn lower handle over to raise or lower handle.
5. Squeeze lower handle in and position holes onto mounting pins on handle bracket.
6. Reassemble upper handle and all parts removed from lower handle.

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 an authorized service center for repair and adjustment.

CARBURATOR
Your carburetor is not adjustable. If your engine does not operate properly due to suspected carburetor problems, take your lawn mower to an authorized service center for repair and/or adjustment.

IMPORTANT: NEVERTAMPERWITHTHEENGINEGOVERNOR, 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 YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.
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 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 (See Figs. 18 and 19)**
You can fold your lawn mower handle for storage.
1. Squeeze the bottom ends of the lower handle toward each other until the lower handle clears the handle bracket, then move handle forward.
2. Loosen upper handle mounting bolts enough to allow upper handle to be folded back.

**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.

**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. ALCOHOL BLEND ED 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 one ounce (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 give protection 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.

**CAUTION:** 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.
# TROUBLESHOOTING POINTS

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2. Out of fuel.</td>
<td>2. Fill fuel tank.</td>
</tr>
<tr>
<td></td>
<td>3. Stale fuel.</td>
<td>3. Empty fuel tank and refill tank with fresh, clean gasoline.</td>
</tr>
<tr>
<td></td>
<td>4. Water in fuel.</td>
<td>4. Empty fuel tank and refill tank with fresh, clean gasoline.</td>
</tr>
<tr>
<td></td>
<td>5. Spark plug wire is disconnected.</td>
<td>5. Connect wire to plug.</td>
</tr>
<tr>
<td></td>
<td>7. Loose blade or broken blade adapter.</td>
<td>7. Tighten blade bolt or replace blade adapter.</td>
</tr>
<tr>
<td></td>
<td>8. Control bar in released position.</td>
<td>8. Depress control bar to handle.</td>
</tr>
<tr>
<td></td>
<td>10. Fuel valve lever (if equipped) in OFF position.</td>
<td>10. Turn fuel valve lever to the ON position.</td>
</tr>
<tr>
<td>Loss of power</td>
<td>1. Rear of lawn mower housing or cutting blade dragging in heavy grass.</td>
<td>1. Raise cutting height.</td>
</tr>
<tr>
<td></td>
<td>2. Cutting too much grass.</td>
<td>2. Raise cutting height.</td>
</tr>
<tr>
<td></td>
<td>3. Dirty air filter.</td>
<td>3. Clean/replace air filter.</td>
</tr>
<tr>
<td></td>
<td>4. Buildup of grass, leaves and trash under mower.</td>
<td>4. Clean underside of mower housing.</td>
</tr>
<tr>
<td></td>
<td>5. Too much oil in engine.</td>
<td>5. Check oil level.</td>
</tr>
<tr>
<td>Poor cut – uneven</td>
<td>1. Worn, bent or loose blade.</td>
<td>1. Replace blade. Tighten blade bolt.</td>
</tr>
<tr>
<td></td>
<td>2. Wheel heights uneven.</td>
<td>2. Set all wheels at same height.</td>
</tr>
<tr>
<td></td>
<td>3. Buildup of grass, leaves and trash under mower.</td>
<td>3. Clean underside of mower housing.</td>
</tr>
<tr>
<td>Excessive vibration</td>
<td>1. Worn, bent or loose blade.</td>
<td>1. Replace blade. Tighten blade bolt.</td>
</tr>
<tr>
<td></td>
<td>2. Bent engine crankshaft.</td>
<td>2. Contact a qualified service center.</td>
</tr>
<tr>
<td>Starter rope hard to pull</td>
<td>1. Engine flywheel brake is on when control bar is released.</td>
<td>1. Depress control bar to upper handle before pulling starter rope.</td>
</tr>
<tr>
<td></td>
<td>2. Bent engine crankshaft.</td>
<td>2. Contact a qualified service center.</td>
</tr>
<tr>
<td></td>
<td>4. Blade dragging in grass.</td>
<td>4. Move lawn mower to cut grass or other hard surface before starting.</td>
</tr>
<tr>
<td>Grass catcher not filling (if so equipped)</td>
<td>1. Cutting height too low.</td>
<td>1. Raise cutting height.</td>
</tr>
<tr>
<td></td>
<td>2. Lift on blade worn off.</td>
<td>2. Replace blade.</td>
</tr>
<tr>
<td></td>
<td>3. Catcher not venting air.</td>
<td>3. Clean grass catcher.</td>
</tr>
<tr>
<td>Hard to push</td>
<td>1. Grass is too high or wheel height is too low.</td>
<td>1. Raise cutting height.</td>
</tr>
<tr>
<td></td>
<td>2. Rear of lawn mower housing or cutting blade dragging in heavy grass.</td>
<td>2. Raise rear of lawn mower housing one (1) setting higher.</td>
</tr>
<tr>
<td></td>
<td>3. Grass catcher too full.</td>
<td>3. Empty grass catcher.</td>
</tr>
<tr>
<td></td>
<td>4. Handle height position not right for you.</td>
<td>4. Adjust handle height to suit.</td>
</tr>
<tr>
<td>Loss of drive (or slowing of drive speed)</td>
<td>1. Belt wear.</td>
<td>1. Check/replace drive belt.</td>
</tr>
<tr>
<td></td>
<td>2. Belt off of pulley.</td>
<td>2. Check/reinstall drive belt.</td>
</tr>
<tr>
<td></td>
<td>3. Drive cable worn or broken.</td>
<td>3. Put belt on pulleys / replace belts if broken.</td>
</tr>
<tr>
<td></td>
<td>4. “Loose” drive control system.</td>
<td>4. Adjust drive control.</td>
</tr>
</tbody>
</table>
### ROTARY LAWN MOWER - MODEL NUMBER 5521CHV (96143000102) - PRODUCT NUMBER 961 43 00-01

<table>
<thead>
<tr>
<th>KEY NO.</th>
<th>PART NO.</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>532 18 60-24</td>
<td>Upper Handle</td>
</tr>
<tr>
<td>2</td>
<td>532 15 34-18</td>
<td>Lower Handle</td>
</tr>
<tr>
<td>3</td>
<td>532 18 60-11</td>
<td>Control Bar</td>
</tr>
<tr>
<td>4</td>
<td>532 19 19-15</td>
<td>Handle Bolt</td>
</tr>
<tr>
<td>5</td>
<td>532 19 18-56</td>
<td>Handle Knob</td>
</tr>
<tr>
<td>6</td>
<td>532 05 17-93</td>
<td>Hairpin Cotter</td>
</tr>
<tr>
<td>7</td>
<td>532 06 64-26</td>
<td>Wire Tie</td>
</tr>
<tr>
<td>8</td>
<td>532 18 04-79</td>
<td>Kit, Rear Door (Includes Key #16 and 17)</td>
</tr>
<tr>
<td>9</td>
<td>532 12 84-15</td>
<td>Pop Rivet</td>
</tr>
<tr>
<td>10</td>
<td>532 18 25-38</td>
<td>Support Bracket, LH</td>
</tr>
<tr>
<td>11</td>
<td>532 18 25-39</td>
<td>Support Bracket, RH</td>
</tr>
<tr>
<td>12</td>
<td>817 06 04-10</td>
<td>Screw 1/4-20 x 5/8</td>
</tr>
<tr>
<td>13</td>
<td>532 18 25-43</td>
<td>Handle Bracket Assembly, LH</td>
</tr>
<tr>
<td>14</td>
<td>532 18 25-45</td>
<td>Handle Bracket Assembly, RH</td>
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<tr>
<td>15</td>
<td>532 18 00-71</td>
<td>Spring, RH</td>
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<tr>
<td>16</td>
<td>532 18 00-72</td>
<td>Spring, RH</td>
</tr>
<tr>
<td>17</td>
<td>532 13 20-04</td>
<td>Keps Locknut 1/4-20</td>
</tr>
<tr>
<td>18</td>
<td>532 17 95-85</td>
<td>Rope Guide</td>
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<tr>
<td>19</td>
<td>532 18 90-05</td>
<td>Rear Skirt</td>
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<tr>
<td>20</td>
<td>532 08 86-52</td>
<td>Screw, Tapping 1/4-20 x 1/2</td>
</tr>
<tr>
<td>21</td>
<td>- - -</td>
<td>Engine, Honda, Model Number GCV160</td>
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<tr>
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<td></td>
<td>(For engine service and replacement parts, call Honda Engines at 1-800-426-7701)</td>
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<tr>
<td>22</td>
<td>532 15 04-06</td>
<td>Hex Head Thread Rolling Screw 3/8-16 x 1-1/8</td>
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<td>532 08 39-23</td>
<td>Hex Flange Nut</td>
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<td>24</td>
<td>532 18 55-72</td>
<td>Wheel &amp; Tire Assembly, Rear, 14&quot;</td>
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<td>25</td>
<td>532 16 08-28</td>
<td>Shoulder Bolt 5/16-18 x .33</td>
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<td>26</td>
<td>532 12 50-78</td>
<td>Washer, Engine, Zinc-Plated</td>
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<td>27</td>
<td>532 18 25-41</td>
<td>Axle Arm Assembly, Rear, RH</td>
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<td>28</td>
<td>532 18 55-75</td>
<td>Selector Knob</td>
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<td>29</td>
<td>532 18 25-37</td>
<td>Selector Spring</td>
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<td>30</td>
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<td>Nut, Hex 5/16-18</td>
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<td>532 18 25-42</td>
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<td>(Includes Key Numbers 10, 11, 12 and 45)</td>
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<td>532 18 90-28</td>
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<td>532 17 57-35</td>
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<td>532 17 56-50</td>
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<td>532 08 83-48</td>
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<td>532 18 22-28</td>
</tr>
<tr>
<td>62</td>
<td>- - -</td>
<td>532 19 90-33</td>
</tr>
</tbody>
</table>

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

**IMPORTANT:** Use only Original Equipment Manufacturer (O.E.M.) replacement parts. Failure to do so could be hazardous, damage your lawn mower and void your warranty.
| KEY   | PART NO. | DESCRIPTION                                      | KEY   | PART NO. | DESCRIPTION                                      |
|-------|----------|-------------------------------------------------|-------|----------|-------------------------------------------------|-------|----------|------------------------------------------------|
| 1     | 532 19 34-80 | Drive Control Assembly, with Cable            | 41    | 532 19 51-07 | Kit, Wheel Adjuster, RH                        |
| 2     | 532 19 10-39 | Bearing, Wheel Adjuster                      | 54    | 532 19 47-24 | Grassbag Assembly                              |
| 3     | 532 17 52-62 | Pan Head Tapping Screw #10-24 x 2-3/4         | 55    | 532 17 57-39 | Driveshaft Cover                               |
| 4     | 532 18 56-81 | Hex Washer Head Screw 1/4-20 x 2.12           | 57    | 532 19 46-43 | Frame, Grassbag                                |
| 5     | 532 19 41-49 | V-Belt                                        | 60    | 532 18 90-66 | Decal, Drive Cover                             |
| 6     | 532 19 90-93 | Control Bar, Drive                             | 61    | 532 19 68-86 | Case, Upper                                    |
| 7     | 532 75 11-52 | Locknut, Hex #10-24                           | 62    | 532 19 68-85 | Shaft, Output                                  |
| 8     | 532 18 06-26 | Hubcap                                        | 63    | 532 18 35-08 | Seal, Output Shaft                             |
| 9     | 532 14 52-12 | Locknut, Hex                                  | 64    | 532 18 35-11 | Bushing                                        |
| 11    | 532 18 07-67 | Wheel & Tire Assembly                          | 65    | 532 18 35-09 | Washer                                         |
| 12    | 812 00 00-58 | E-Ring                                        | 66    | 532 18 35-14 | Seal, Worm Shaft                               |
| 13    | 532 75 00-03 | Pinion                                        | 67    | 532 18 35-06 | Bearing, Ball                                  |
| 14    | 532 18 94-03 | Dust Cover                                    | 68    | 532 18 34-99 | Gear, 27 Teeth                                 |
| 15    | 532 19 10-17 | Pawl, Drive                                   | 69    | 532 19 68-84 | Fixed Dog Clutch                               |
| 16    | 532 06 77-25 | Washer 1/2 x 1-1/2 x .134                     | 70    | 532 18 35-05 | Wireform                                       |
| 18    | 532 18 55-74 | Selector Knob                                 | 71    | 532 19 68-83 | Movable Dog Clutch                             |
| 25    | 532 19 90-89 | Belt Keeper                                   | 72    | 532 19 68-82 | Fork                                           |
| 26    | 532 15 00-78 | Screw                                         | 73    | 532 18 35-13 | Screw, Case                                    |
| 28    | 532 18 55-79 | Drive Cover                                   | 74    | 532 19 68-81 | Case, Lower                                    |
| 32    | 532 19 40-18 | Drive Pulley                                  | 75    | 532 19 68-80 | Seal, Lever                                    |
| 35    | 532 19 51-10 | Kit, Wheel Adjuster, LH (Includes Knob and Bearing) | 76    | 532 19 68-79 | Lever                                          |
| 36    | 532 18 82-96 | Gearcase Assembly, Complete                   | 77    | 532 19 68-78 | Screw, Lever                                   |
| 38    | 873 80 04-00 | Locknut, Hex 1/4-20                          | 78    | 532 19 68-77 | Spring                                         |
| 40    | 532 19 28-49 | Spring                                        | 79    | 532 18 35-02 | Shaft, Worm                                    |

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

**IMPORTANT:** Use only Original Equipment Manufacturer (O.E.M.) replacement parts. Failure to do so could be hazardous, damage your lawn mower and void your warranty.
Husqvarna

SECTION 1: LIMITED WARRANTY

Husqvarna Forest & Garden Company ("Husqvarna") warrants Husqvarna product to the original purchaser to be free from defects in material and workmanship from the date of purchase for the "Warranty Period" of the product as set forth below:

Lifetime Warranty: All tiller tines against breakage, trimmer shafts, ignition coils and modules on hand held product.

3 Year Warranty: Spindles (on Zero Turn Riders and Commercial Walk-Behinds)

2 Year COMMERCIAL-Warranty: Husqvarna Commercial Turf Equipment—zero turn riders, wide area walk, and ground engaging commercial equipment.

2 Year NON-COMMERCIAL Warranty: Automatic Mower, Riding lawn mowers, yard and garden tractors, walk behind mowers, tillers, lawn saws, trimmers, brushcutters, clearing saws, snow blowers, handheld blowers, backpack blowers, hedge trimmers, electrical products and power-assist collection systems for non-commercial, non-professional, non-institutional or non-income producing use, except as herein stated.

Emission control system components necessary to comply with CARB-TIER-II and EPA regulations, except for those components which are part of engine systems manufactured by third party engine manufacturers for which the purchaser has received a separate warranty with product information supplied at time of purchase.

1 Year Warranty: Power cutters, stump grinder, pole pruners and pole saws for non-commercial, non-professional, non-institutional or non-income producing use. All trimmers, brushcutters, clearing saws, hover trimmers, stick edgers, backpack blowers, hedge trimmers, power-assist collection systems used for commercial, institutional, professional or income producing purposes or use. Batteries have a one-year prorated limited warranty with 100% replacement during the first 6 months.

90 Day Warranty: Automatic Mower, Chain saws, power cutters, stump grinders, pole pruners, pole pruners, snow throwers, model series 580 & 600 walk-behind mowers and commercial turf equipment or any Husqvarna product used for commercial, institutional, professional, or income producing purposes or use except as otherwise provided herein.

Husqvarna Safety Apparel carries a 90-day warranty from the date of the customer's original purchase for defects in material and workmanship. Normal wear, tear or abuse is not covered under warranty. Product must be returned to Charlotte with a warranty claim form. All care and maintenance instructions must be followed as stated by the manufacturer on the care label. The fit of the protective apparel/boots is not covered under warranty.

30 Day Warranty: Replacement parts, accessories including bars and chains, tools and display items.

SECTION 2: HUSQVARNA'S OBLIGATIONS UNDER THE WARRANTY

Husqvarna will repair or replace defective components without charge for parts or labor if a component fails because of a defect in material or workmanship during the warranty period.

SECTION 3: ITEMS NOT COVERED BY THIS WARRANTY

The following items are not covered by this warranty:
1. Normal customer maintenance items which become worn through normal regular use, including, but not limited to, belts, blades, blade adapters, bulbs, filters, guide bars, lubricants, rewind springs, saw chain, spark plugs, starter ropes and tines;
2. Natural discoloration of material due to ultraviolet light;
3. Engine and drive systems not manufactured by Husqvarna; these items are covered by the respective manufacturer's warranty as provided in writing with the product information supplied at the time of purchase; all claims must be sent to the appropriate manufacturer;
4. Lawn and garden attachments are covered by a third party which gives a warranty, all claims for warranty should be sent to the manufacturer; and
5. Emission Control System components necessary to comply with CARB-TIER-II and EPA regulations which are manufactured by third party engine manufacturer.

SECTION 4: EXCEPTIONS AND LIMITATIONS

This warranty shall be inapplicable to defects resulting from the following:
1. Accident, abuse, misuse, negligence and neglect, including stale fuel, dirt, abrasives, moisture, rust, corrosion, or any adverse reaction due to incorrect storage or use habits;
2. Failure to operate or maintain the unit in accordance with the Owner's/Operator's manual or instructions furnished by Husqvarna;
3. Alterations or modifications that change the intended use of the product or affects the product's performance, operation, safety, or durability; or causes the product to fail to comply with any applicable laws; or:
4. Additional damage to parts or components due to continued use occurring after any of the above.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. HUSQVARNA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THESE PRODUCTS EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THESE PRODUCTS IS LIMITED IN DURATION TO THE WARRANTY PERIOD AS DEFINED IN THE LIMITED WARRANTY STATEMENT. HUSQVARNA RESERVES THE RIGHT TO CHANGE OR IMPROVE THE DESIGN OF THE PRODUCT WITHOUT NOTICE, AND DOES NOT ASSUME OBLIGATION TO UPDATE PREVIOUSLY MANUFACTURED PRODUCTS.

Some states do not allow the exclusion of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SECTION 5: CUSTOMER RESPONSIBILITIES

The product must exhibit reasonable care, maintenance, operation, storage and general upkeep as written in the maintenance section of the Owner's/Operator's manual. Should an operational problem or failure occur, the product should not be used, but delivered as is to an authorized Husqvarna dealer for evaluation. Proof of purchase, as explained in section 6, rests solely with the customer.

SECTION 6: PROCEDURE TO OBTAIN WARRANTY CONSIDERATION

It is the Owner's and Dealer's responsibility to make certain that the Warranty Registration Card is properly filled out and mailed to Husqvarna Forest & Garden Company. This card should be mailed within ten (10) days from the date of purchase to facilitate post-sale service. Proof of purchase must be presented to the authorized Husqvarna dealer in order to obtain warranty service. This proof must include date purchased, model number, serial number, and complete name and address of the selling dealer.

To obtain the benefit of this warranty, the product believed to be defective must be delivered to an authorized Husqvarna dealer in a timely manner, no later than thirty (30) days from date of the operational problem or failure. The product must be delivered at the owner's expense. Pick-up and delivery charges are not covered by this warranty. An authorized Husqvarna dealer can be normally located through the "Yellow Pages" of the local telephone directory or by calling 1-800-HUSKY62 for a dealer in your area.

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