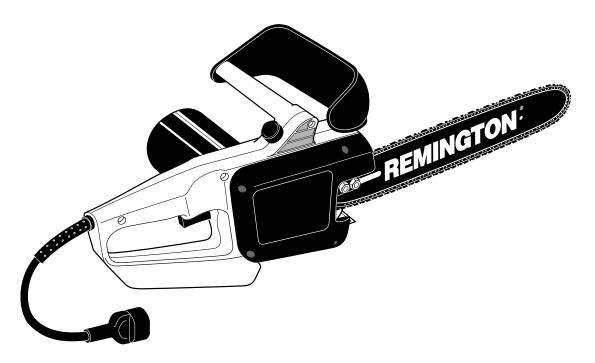
ELECTRIC CHAIN SAW OWNER'S MANUAL



MODELS

LNT-2: 076728K, 099178H, 100089-06, 100089-08, & 107709-01

EL-7: 075762J, 098031J, 099039J, 100089-04, 100089-05,

100089-07, & 107714-02

Pole Saw: 104316-04 (8"), 106890-01(10")

Pole Saw Assembly: 104317 (8"), 106821 (10")

IMPORTANT: Read and understand this manual before assembling or operating this chain saw. Improper use of saw can cause severe injury. Keep this manual for future reference.



ELECTRIC CHAIN SAW

SAFETY WARNINGS

Make certain you read and understand all *Safety Warnings* on pages 2 and 3. Improper use of this chain saw can cause severe injury or death from fire, electrical shock, body contact with moving chain, or falling wood.

BEFORE OPERATING SAW

- 1. Read and understand this owner's manual before operating chain saw.
- 2. Watch what you are doing. Use common sense. Do not operate saw when you are tired.
- Use chain saw for cutting wood only.
 Do not use chain saw for purpose not intended. Do not use for cutting plastic, masonry, etc.
- 4. Only well-instructed adults should operate chain saw. Never allow children to operate chain saw.
- Use only electrical voltage noted on model plate of chain saw.
- 6. Use only extension cords marked for outdoor use. See page 8 for extension cord requirements.
- 7. Do not operate chain saw
 - while under the influence of alcohol, medication, or drugs
 - in rain or in damp or wet areas
 - where highly flammable liquids or gases are present
 - if saw is damaged, adjusted wrong, or not fully and securely assembled
 - if trigger does not turn saw on and off.
 Chain must stop moving when you release trigger. Have faulty switch replaced by authorized service center.
 - while in a hurry
 - while in tree or on a ladder unless trained to do so
- 8. Wear snug-fitting clothes when operating chain saw. Do not wear loose clothing or jewelry. They can get caught in moving saw chain.
- 9. Wear the following safety gear when operating chain saw.
 - heavy-duty gloves (wear rubber gloves when working outdoors)
 - steel-toed safety footwear with nonskid soles

- eye protection such as safety glasses, goggles, or face screen
- safety hard hat
- ear mufflers or ear plugs
- hair covering to contain long hair
- face or dust mask (if working in dusty areas)
- 10. Before cutting, always provide the following:
 - · clear work area
 - · secure footing
 - · planned retreat path from falling tree
- 11. Inspect tree before cutting down. Make sure there are no dead limbs or branches that may fall on you.
- 12. To reduce the risk of electric shock, this saw has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet of your extension cord, reverse the plug. If it still does not fit, a polarized extension cord will be necessary. Do not change the plug in any way.

WHILE OPERATING SAW

- 1. Stay alert. Use common sense while operating chain saw.
- 2. Keep work area clean. Cluttered areas invite injuries.
- 3. Be aware of extension cord while operating chain saw. Be careful not to trip over cord. Keep cord away from chain and operator at all times.
- 4. Keep children, animals, and bystanders away from chain saw and extension cord. Only chain saw user should be in work area.
- 5. Do not cut down a tree unless you are trained or have expert help.
- 6. If two or more persons perform bucking and felling operations at the same time, provide plenty of distance between operations. Provide distance of at least twice the height of tree being felled.
- 7. Secure wood you are cutting by using clamps or chocks.
- 8. Grip chain saw firmly with both hands. Never operate chain saw with one hand. Never use hand guard as handle.
- 9. Keep finger off trigger until ready to make cut.
- 10. Before starting chain saw, make sure chain is not touching anything.
- 11. To guard against electrical shock, avoid

- body contact with grounded objects such as pipes, fences, and metal posts.
- 12. Keep all parts of body away from chain when saw is running.
- 13. Do not force chain saw while cutting. Apply light pressure. It will do the job better and safer at the rate for which it was intended.
- 14. Cut small brush and saplings with extreme care. Slender material may catch in chain and be whipped toward you. This could also pull you off balance.
- 15. When cutting limb or tree trunk that is under tension, use extreme caution. Be alert for wood springing back. When wood tension is released, limb could spring back and strike operator causing severe injury or death.
- 16. Carry chain saw from one place to another
 - with saw stopped and unplugged
 - by holding front handle (never use hand guard as handle)
 - with finger off trigger
 - with guide bar and chain to rear

WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects, or other reproductive harm.

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known (to the state of California) to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints
- crystalline silica from bricks and cement and other masonry products
- arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SAFETY WARNINGS

KICKBACK

A WARNING: Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut. Tip contact in some cases may cause a lightning fast reverse reaction, kicking the guide bar up and back towards the operator. Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator. Either of these reactions may cause you to lose control of the saw which could result in serious injury to user.

Kickback Safety Devices On This Saw

This saw has a low-kickback chain and reduced kickback guide bar. Both items reduce the chance of kickback. Kickback can still occur with this saw.

Properly install front hand guard. This item can reduce injuries from kickback. Follow assembly instructions on page 6. Do not remove front hand guard. Do not replace front hand guard with substitute.

The following steps will reduce the risk of kickback.

- Use both hands to grip saw while saw is running. Use firm grip. Thumbs and fingers must wrap around saw handles.
- Keep all safety items in place on saw. Make sure they work properly.
- Do not overreach or cut above shoulder height.
- Keep solid footing and balance at all times
- Stand slightly to left side of saw. This keeps your body from being in direct line with chain.
- Do not let guide bar nose touch anything when chain is moving (see Figure 1).

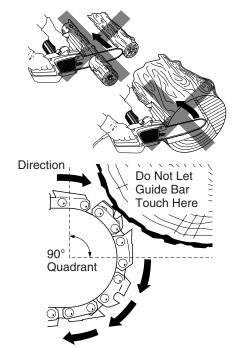


Figure 1 - Kickback Hazard Example: Do Not Let Nose of Guide Bar Touch Object While Chain is Moving

- Never try cutting through two logs at same time. Only cut one log at a time.
- Do not bury guide bar nose or try plunge cut (boring into wood using guide bar nose).
- Watch for shifting of wood or other forces that may pinch chain.
- Use extreme caution when reentering a previous cut.
- Use low-kickback chain and guide bar supplied with this chain saw. Only replace these parts with chains and guide bars listed in this manual.
- Never use dull or loose chain. Keep chain sharp with proper tension.
- Do not hand sharpen chain on automatic chain sharpening (Fast Sharp) models.

Saw Maintenance and Kickback Safety

Follow maintenance instructions in this manual. Proper cleaning of saw and chain and guide bar maintenance can reduce chances of kickback. Inspect and maintain saw after each use. This will increase the service life of your saw. *Note:* Even with proper sharpening, risk of kickback can increase with each sharpening.

MAINTENANCE AND STORAGE OF CHAIN SAW

- 1. Unplug chain saw from power source
 - · when not in use
 - before moving from one place to another
 - before servicing
 - before changing accessories or attachments, such as saw chain and guard
- 2. Inspect chain saw before and after each use. Check saw closely if guard or other part has been damaged. Check for any damage that may affect operator safety or operation of saw. Check for alignment or binding of moving parts. Check for broken or damaged parts. Do not use chain saw if damage affects safety or operation. Have damage repaired by authorized service center.
- 3. Maintain chain saw with care.
 - Never expose saw to rain.
 - Keep chain sharp, clean, and lubricated for better and safer performance.
 - Follow steps outlined in this manual to sharpen chain.
 - Keep handles dry, clean, and free of oil and grease.
 - Keep all screws and nuts tight.
 - Inspect power cord often. If damaged, have repaired by authorized service center.
 - Never carry chain saw by power cord.
 - Never yank power cord to unplug it.
 - Keep power cord from heat, oil, and sharp edges.
 - Inspect extension cords often and replace if damaged.
- 4. When servicing, use only identical replacement parts.
- 5. When not in use, always store chain saw
 - in a high or locked place, out of children's reach
 - in a dry place
 - in a carrying case or with scabbard over guide bar

Keep this manual for reference. It is your guide to safe and proper operation of this chain saw.

ELECTRIC CHAIN SAW

CHAIN SAW NAMES AND TERMS

Bucking Process of cutting a felled tree or log into lengths.

Felling Process of cutting down a tree.

Felling Cut Final cut when felling a tree. Make this cut on opposite side of tree from notching cut.

Front Handle Located at front of saw body.

Front Hand Guard Shield between front handle and guide bar. Protects left hand while using saw.

Guide Bar Metal bar that extends from saw body. The guide bar supports and guides chain.

Guide Bar Nose Tip or end of guide bar.

Kickback Quick backward and upward motion of guide bar. Kickback may occur when tip of guide bar touches an object while chain is moving. The guide bar will kick up and back towards operator.

Limbing Process of cutting limb(s) from a felled tree.

Low-Kickback Chain Chain that reduces chance of kickback as required by ANS B175.1.

Normal Cutting Position Stance used while making bucking and felling cuts.

Notching Cut Notch cut in tree that directs fall of tree.

Oiler Control System for oiling guide bar and chain.

Power Head Chain saw without chain and guide bar. Also known as saw body.

Pushback (Kickback, Pinch) Rapid pushback of chain saw. Pushback may occur if chain along top of guide bar is pinched, caught, or contacts a foreign object.

Rear Handle Handle located at rear of saw body.

Reduced Kickback Guide Bar Guide bar that reduces chance of kickback.

Replacement Chain Chain that complies with ANS B175.1 when used with a specific saw. It may not meet ANS requirements when used with other saws.

Saw Chain (Chain) Loop of chain having cutting teeth for cutting wood. The motor drives chain. The guide bar supports chain.

Spiked Bumper (Spike) Pointed teeth at front of saw body beside guide bar. Keep spiked bumper in contact with wood when felling or bucking. It helps maintain position of saw while cutting.

Sprocket Toothed wheel that drives chain.

Switch Device that completes or interrupts electrical circuit to motor of saw.

Switch Linkage This device connects switch to trigger. It moves switch when you squeeze trigger.

Switch Lockout Device that reduces accidental starting of saw.

Trigger Device that turns saw on and off. Squeezing trigger turns saw on.

Releasing trigger turns saw off.

Trimming (Pruning) Process of cutting limb(s) from a living tree.

Undercut An upward cut from underside of log or limb. This is done while in normal cutting position and cutting with top of guide bar.

PRODUCT Front Hand **IDENTIFICATION** Guard Guide Bar Nose Saw Chain Rear Handle Guide Bar Sprocket Cover Rear Hand Guard Scabbard Power Cord

UNPACKING

- 1. Remove all items from carton.
- 2. Check all items for any shipping damage. If you find any damage or if any parts are missing, promptly inform dealer where you bought chain saw.

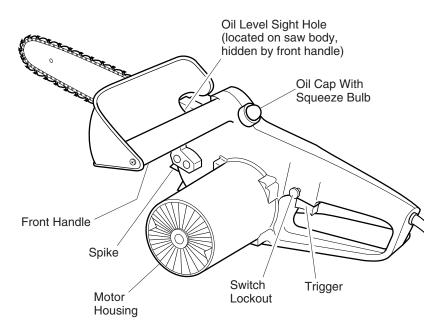


Figure 2 - Electric Chain Saw

ELECTRIC CHAIN SAW

ASSEMBLY

Note: Some models are pre assembled. Assembly is not needed on these models.

See Saw Chain Tension Adjustment, page 7.

WARNING: Cutting edges on chain are sharp. Use protective gloves when handling chain.

IMPORTANT: Do not clamp chain saw in vise during assembly.

The plastic hardware bag should include:

- · two guide bar bolts
- two guide bar nuts
- · one Phillips-head tapping screw
- automatic chain sharpener (Fast Sharp models only)
- 1. Lay chain out flat.
- 2. Install front hand guard onto saw body. Do this by pressing two mounting standouts on hand guard into hex-shaped holes in saw body (see Figure 3).
- 3 Insert tapping screw through hand guard and into saw handle. Tighten screw firmly.
- 4. Turn adjusting screw counterclockwise (see Figure 4). Continue to turn adjusting screw until adjusting block is to rear of adjusting plate.
- 5. Install guide bar onto saw body. Place rear of guide bar between adjusting plate and sprocket support.
 - *IMPORTANT:* Make sure to insert adjusting block into oval adjusting hole on guide bar.
- 6. Line up holes on sprocket support with center slot on guide bar and holes in saw body.
- 7. Insert guide bar bolts through front hand guard, saw body, center slot of guide bar, and sprocket support. Attach guide bar nuts to guide bar bolts.
 - *IMPORTANT:* Tighten guide bar nuts finger tight only. Make sure adjusting block is in oval adjusting hole on guide bar.

8. Place chain around drive sprocket, then along top groove of guide bar and around guide bar nose. *Note:* Make sure cutting edges of chain are facing the right direction. Position chain so cutting edges on top of guide bar face guide bar nose (see Figure 3).

A CAUTION: Do not place chain on saw backwards. If chain is backwards, saw will vibrate badly and will not cut.

9. Adjust saw chain tension. Follow steps under *Saw Chain Tension Adjustment*, page 7.

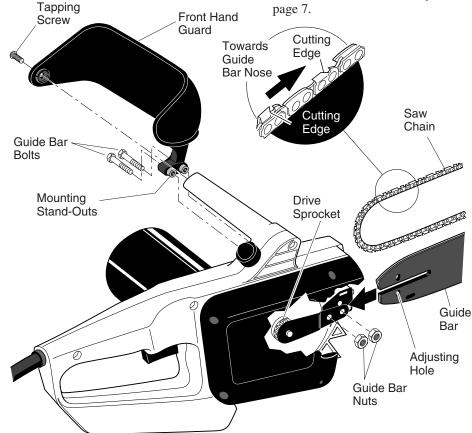


Figure 3 - Assembling Guide Bar, Chain, and Hand Guard

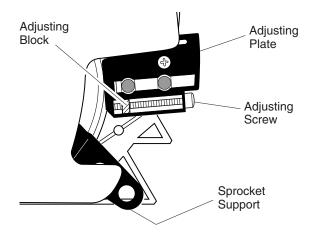


Figure 4 - Part Locations For Assembling Guide Bar

SAW CHAIN TENSION ADJUSTMENT

WARNING: Unplug chain saw from power source before adjusting saw chain tension.

WARNING: Cutting edges on chain are sharp. Use protective gloves when handling chain.

A WARNING: Maintain proper chain tension always. A loose chain will increase the risk of kickback. A loose chain may jump out of guide bar groove. This may injure operator and damage chain. A loose chain will cause chain, guide bar, and sprocket to wear rapidly.

Note: For pre-assembled models, the saw chain tension is properly set at factory. A new chain will stretch. Check new chain after first few minutes of operation. Allow chain to cool down. Follow steps below to readjust saw chain tension.

- 1. Before adjusting chain, make sure guide bar nuts are only finger tight (see Figure 3, page 6). Also make sure adjusting block is in oval adjusting hole on guide bar (see Figures 3 and 4, page 6).
- 2. Turn adjusting screw clockwise until all slack is out of chain (see Figure 5). *Note:* There should be no gap between side links of chain and bottom of guide bar (see Figure 6).
- Wearing protective gloves, move chain around guide bar. Chain should move freely. If chain does not move freely, loosen chain by turning adjusting screw counterclockwise.

4. After chain tension is correct, tighten guide bar nuts firmly. If not, guide bar will move and loosen chain tension. This will increase the risk of kickback. This can also damage saw. *Note:* A new chain will stretch. Check new chain after first few minutes of operation. Allow chain to cool down. Readjust chain tension.

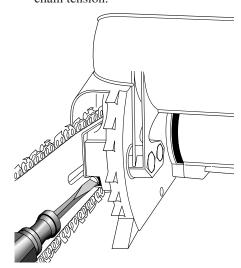


Figure 5 - Turning Adjusting Screw

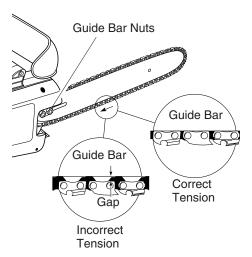


Figure 6 - Saw Chain Adjustment

FILLING OIL TANK

- 1. Remove oil cap.
- 2. Fill oil tank with SAE #30 motor oil. *Note:* For temperatures below 30°F, use SAE #10 oil. For temperatures above 75°F, use SAE #40 oil.
- 3. Replace oil cap at once. Tighten oil cap firmly for good seal. This will avoid oil seepage from tank.
- 4. Wipe off excess oil.

Note: It is normal for oil to seep when saw is not in use. Empty oil tank after each use to prevent seepage.

ELECTRIC CHAIN SAW

OPERATING CHAIN SAW

WARNING: Read and understand this owner's manual before operating this saw. Make certain you read and understand all *Safety Warnings*, pages 2 and 3. Improper use of this chain saw can cause severe injury or death from fire, electrical shock, or body contact with moving chain, or falling wood.

EXTENSION CORDS

Use proper extension cords with this saw. Use only extension cords marked for outdoor use. The cord must be marked with suffix W or W-A following the cord type designation. *Example:* SJTW-A or SJTW.

Use proper sized cord with this saw. Cord must be heavy enough to carry current needed. An undersized cord will cause voltage drop at saw. Saw will lose power and overheat. Follow cord size requirements listed below.

Cord Length	AWG Cord Size
25 feet	16 AWG
50 feet	16 AWG
100 feet	16 AWG
150 feet	14 AWG

Models LNT-2: 076728K, 099178H, 100089-06, & 100089-08; Pole Saw Assy 104317 & 106821; Pole Saw 104316-04 (8") & 106890 (10")

Cord Length	AWG Cord Size
25 feet	16 AWG
50 feet	16 AWG
100 feet	14 AWG
150 feet	12 AWG

Models EL-7: 075762J, 098013J, 099039J, 100089-04, 100089-05, & 100089-07

Keep cord away from cutting area. Make sure cord does not catch on branches or logs during cutting. Inspect cords often. Replace damaged cords.

The extension cord may come undone from the power cord during use. To avoid this, make a knot with the two cords as shown in Figure 7 below.

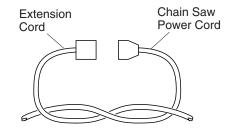


Figure 7 - Tying Extension Cord and Power Cord in Knot

OILING CHAIN

Always check oil level before using saw. To oil chain, press squeeze bulb on oil cap. Do not attempt to operate the oiler while cutting with the saw. Oil will feed onto guide bar and chain. Press squeeze bulb on oil cap at least once before each cut. Check oil level often by looking at oil sight level hole. Oil sight level hole is on left side of saw, between front handle and front hand guard.

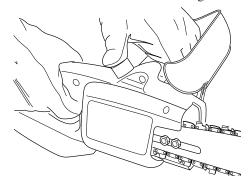


Figure 8 - Pressing Squeeze Bulb on Oil Cap to Oil Chain

CUTTING WITH THE CHAIN SAW

- 1. Connect saw to extension cord. Connect extension cord to power supply.
- 2. Make sure section of log to be cut is not laying on ground. This will keep chain from touching ground as it cuts through log. Touching ground with moving chain will dull chain.
- 3. Use both hands to grip saw. Always use left hand to grip front handle and right hand to grip rear handle. Use firm grip. Thumbs and fingers must wrap around saw handles (see Figure 9).
- Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet.
- 5. When ready to make a cut, press in switch lockout with right thumb and squeeze trigger (see Figure 9). This will turn saw on. Releasing trigger will turn saw off. Make sure saw is running at full speed before starting a cut.
- When starting a cut, place moving chain against wood. Hold saw firmly in place to avoid possible bouncing or skating (sideways movement) of saw.
- 7. Guide saw using light pressure. Do not force saw. The motor will overload and can burn out. It will do the job better and safer at the rate for which it was intended.
- 8. Remove saw from a cut with saw running at full speed. Stop saw by releasing trigger. Make sure chain has stopped before setting saw down.
- 9. Practice until you can maintain a steady, even cutting rate.

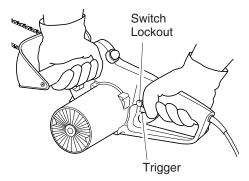


Figure 9 - Switch Lockout and Trigger Location

OPERATING CHAIN SAW

Continued

FELLING A TREE (Cutting Down a Tree)

A WARNING:

- Avoid kickback. Kickback can result in severe injury or death.
 See Kickback, page 3 to avoid risk of kickback.
- Do not fell a tree without ample skill or expert help.
- Keep children, animals, and bystanders away from area when felling a tree.
- If two or more persons perform bucking and felling operations

WARNING: When felling a tree, be aware of your surroundings. Do not endanger any person, strike utility lines, or cause property damage. If tree strikes utility lines, contact utility company at once.

Felling is the process of cutting down a tree. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet. Follow directions below to fell a tree.

Before Felling a Tree

- Before felling, inspect tree. Make sure there are no dead limbs or branches that may fall on you. Study natural lean of tree, location of larger branches, and wind direction. This will help you judge which way tree will fall.
- 2. Clear work area around tree.
- 3. Plan and clear a retreat path before felling. Make retreat path opposite to planned direction of fall of tree and at 45° angle (see Figure 10).
- 4. Remove dirt, stones, loose bark, nails, staples, and wire from tree where you will make felling cuts.
- Stay on uphill side when felling tree.
 Tree could roll or slide downhill after falling.

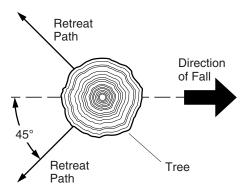


Figure 10 - Retreat Path From Tree

Felling Procedure A) Felling Notch

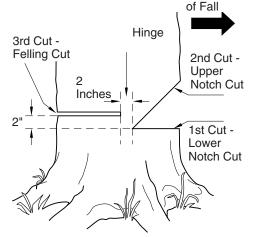
A properly placed felling notch will determine direction tree will fall. Place felling notch on side of tree in direction you want tree to fall (see Figure 11). Follow directions below to create a felling notch.

- 1. Make lower notch cut as close to ground as possible. Hold saw so guide bar is horizontal. Cut 1/3 the diameter of tree trunk (see Figure 11). *Note:* Always make this horizontal lower notch cut first. If you make this cut second, tree can pinch chain or guide bar.
- Start upper notch cut the same distance above first cut as first cut is deep.
 Example: If lower notch cut is eight inches deep, start upper notch cut eight inches above it. Cut downward at 45° angle. The upper notch cut should meet end of lower notch cut (see Figure 11).
- Remove tree trunk wedge created by notching cuts.

B) Felling Cut

- 1. Make felling cut two inches higher than lower notch cut and on opposite side of tree (see Figure 11). Keep felling cut parallel to lower notch cut.
- 2. Cut towards notch.

WARNING: Do not cut all the way through tree. Leave about two inches of tree diameter uncut directly behind felling notch (see Figure 11). This uncut portion acts as a hinge. The hinge helps keep tree from twisting and falling in wrong direction.



Direction

Figure 11 - Felling A Tree

- 3. As felling cut nears hinge, tree should begin to fall. *Note:* If needed, drive wedges into felling cut to control direction of fall. If tree settles back and pinches chain, drive wedges into felling cut to remove saw. Only use wedges made of wood, plastic, or aluminum. Never use wedge made of steel. This could cause kickback and damage to chain.
- 4. When tree begins to fall, quickly
 - remove saw from felling cut
 - release trigger to turn saw off
 - put saw down
 - exit area using retreat path

WARNING: Be alert for falling overhead limbs. Watch your footing while exiting area.

Continued

ELECTRIC CHAIN SAW

OPERATING CHAIN

Continued

LIMBING A TREE

WARNING: Avoid kickback. Kickback can result in severe injury or death. See *Kickback*, page 3 to avoid risk of kickback.

WARNING: When cutting limb that is under tension, use extreme caution. Be alert for wood springing back. When wood tension is released, limb could spring back and strike operator causing severe injury or death.

Limbing is removing branches from a fallen tree. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet. Do not remove larger limbs under tree that support log off ground. Remove each limb with one cut (see Figure 12). Clear cut limbs from work area often. This will help maintain a safe work area.

Make sure you start your cut where limb will not pinch saw during cutting. To avoid pinching, start cut on freely hanging limbs from above limb. Start cut on limbs under tension from under limb. If pinch occurs, turn saw off, lift limb, and remove saw.

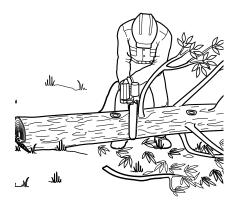


Figure 12 - Limbing A Tree

BUCKING A LOG

WARNING: Avoid kickback. Kickback can result in severe injury or death. See *Kickback*, page 3 to avoid risk of kickback.

A WARNING:

- If on slope, make sure log will not roll down hill. Secure log by using wooden stakes. Drive wooden stakes into ground on downhill side of log. Stand on uphill side of log while cutting. Log may roll after cutting.
- Never try cutting through two logs at same time. This could increase the risk of kickback.
- While cutting log, never hold log with your hand, leg, or foot.
- While cutting log, never allow another person to hold log.
- Turn off and unplug saw before moving from one place to another.

Bucking a log is cutting a log into sections. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet. When possible, raise log or section off ground. Do this by using limbs, logs, chocks, etc.

When cutting through log, maintain control by reducing cutting pressure near end of cut. Do not relax your grip on chain saw handles. Do not let moving chain touch ground. Ground will dull moving chain. After cutting through log, release trigger to turn saw off before moving saw.

Follow directions below to buck a log.

Entire Length Of Log On Ground

Cut log from top (see Figure 13).

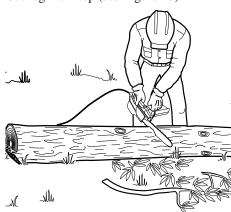


Figure 13 - Bucking Log With Entire Length On Ground

Log Supported On One End

- 1. Make first cut on underside of log (see Figure 14). Use top of guide bar to make this cut. Cut 1/3 through diameter of log. This cut will keep section from splintering when cut.
- 2. Make second cut directly above first cut. Cut down to meet first cut. This cut will keep log from pinching guide bar and chain.

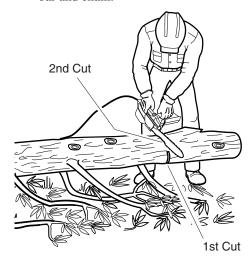


Figure 14 - Bucking Log When Log Is Supported On One End

OPERATING CHAIN SAW

Continued

Log Supported On Both Ends

- 1. Make first cut from above log (see Figure 15). Cut 1/3 through diameter of log. This cut will keep section from splintering when cut.
- 2. Make second cut on underside of log, directly under first cut. Use top of guide bar to make this cut. Cut up to meet first cut. This will keep log from pinching guide bar and chain.

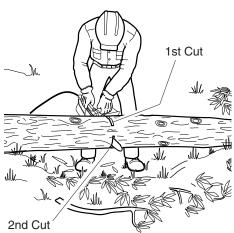


Figure 15 - Bucking Log When Log Is Supported On Both Ends

TRIMMING A TREE (Pruning)

WARNING: Avoid kickback. Kickback can result in severe injury or death. See *Kickback*, page 3 to avoid risk of kickback.

A WARNING: Do not operate chain saw while

- · in a tree
- on a ladder or any other unstable surface
- in any awkward position You may lose control of saw causing severe injury.

WARNING: Do not cut limbs higher than your shoulders.

A CAUTION: Seek professional help if facing conditions beyond your ability.

Trimming a tree is the process of cutting limbs from a living tree. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet. Follow directions below to trim a tree.

- 1. Make first cut six inches from tree trunk on underside of limb. Use top of guide bar to make this cut. Cut 1/3 through diameter of limb (see Figure 16).
- Move two to four inches farther out on limb. Make second cut from above limb. Continue cut until you cut limb off.
- 3. Make third cut as close to tree trunk as possible on underside of limb stub. Use top of guide bar to make this cut. Cut 1/3 through diameter of stub.
- 4. Make fourth cut directly above third cut. Cut down to meet third cut. This will remove limb stub.

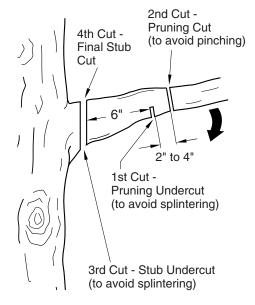


Figure 16 - Cutting A Limb

ELECTRIC CHAIN SAW

CLEANING AND MAINTENANCE

NOTICE: Below are instructions for servicing your chain saw. Any servicing not mentioned below should be done by an authorized service center.

CLEANING SAW BODY

WARNING: Unplug chain saw from power source before servicing. Severe injury or death could occur from electrical shock or body contact with moving chain.

MARNING: Cutting edges on chain are sharp. Use protective gloves when handling chain.

WARNING: When cleaning saw body.

- do not submerge saw in any liquids
- do not use products that contain ammonia, chlorine, or abrasives
- do not use chlorinated cleaning solvents, carbon tetrachloride, kerosene, or gasoline

Keep saw body clean. Use a soft cloth dampened with a mild soap and water mixture. Wipe saw body to clean.

CARE OF GUIDE BAR

Uneven bar wear causes most guide bar problems. Incorrect sharpening of chain cutter and depth gauge settings often cause this. When bar wears unevenly, it widens guide bar groove (see Figure 17). This causes chain clatter and rivet popping. Saw will not cut straight. Replace guide bar if this occurs.

Inspect guide bar before sharpening chain. A worn or damaged guide bar is unsafe. A worn or damaged guide bar will damage chain. It will also make cutting harder.

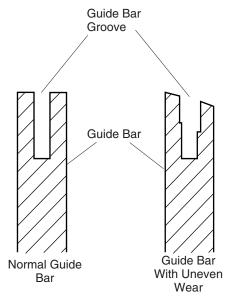


Figure 17 - Guide Bar Cross Section Showing Uneven Bar Wear

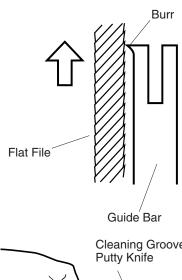
Normal Guide Bar Maintenance

- 1. Remove guide bar from chain saw.
- 2. Remove sawdust from guide bar groove periodically. Use putty knife or wire.
- 3. Clean oil slots after each day of use.
- 4. Remove burrs from sides of guide bar. Use flat file to make side edges square.

Replace guide bar when

- · bar is bent or cracked
- · inside groove of bar is badly worn

Note: When replacing guide bar, see *Replacement Parts and Accessories*, page 19, for proper bar.



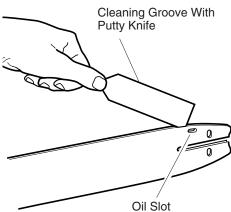


Figure 18 - Guide Bar Maintenance

CLEANING AND MAINTENANCE

Continued

SHARPENING SAW CHAIN

WARNING: Unplug chain saw from power source before servicing. Severe injury or death could occur from electrical shock or body contact with moving chain.

WARNING: Cutting edges on chain are sharp. Use protective gloves when handling chain.

Keep chain sharp. Your saw will cut faster and more safely. A dull chain will cause undue sprocket, guide bar, chain, and motor wear. If you must force chain into wood and cutting creates only sawdust with few large chips, chain is dull.

Items Needed to Sharpen Chain

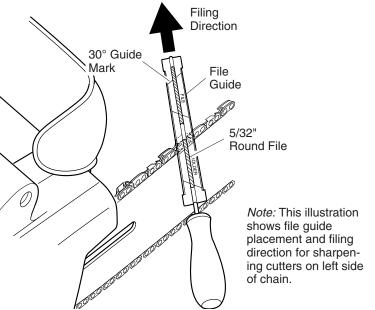
Purchase these items from your local dealer, hardware store, or chain saw supplies outlet.

- 5/32" round file
- Depth gauge tool
- File guide
- Vise
- · Medium sized flat file

Sharpening Cutters

Use file guide for 30° filing.

- 1. Adjust chain for proper tension (see *Saw Chain Tension Adjustment*, page 7).
- 2. Clamp guide bar in vise to hold saw steady. *Note:* Do not clamp chain.
- 3. Press 5/32" round file (attached to file guide) into groove between top plate and depth gauge on chain. File guide should rest on both top plate and depth gauge (see Figures 19 and 20). *Note:* File at midpoint of guide bar.
- 4. Hold file guide level. Make sure 30° mark on file guide is parallel to center of guide bar (see Figure 19). This will insure that you file cutters at 30° angle.
- 5. File from inside towards outside of cutter until sharp. Only file in this one direction (see Figure 19). *Note:* Two or three strokes with file should sharpen cutter.
- 6. After each cutter is sharpened, move chain forward to sharpen next cutter. File all cutters on one side of chain.
- 7. Move to other side of chain and repeat process.



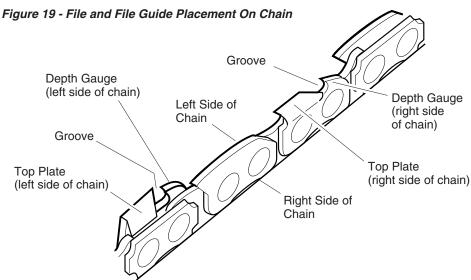


Figure 20 - Chain Part Locations

Continued

ELECTRIC CHAIN SAW

CLEANING AND MAINTENANCE

Continued

Filing Cutter Depth Gauges

The cutter depth gauge clearance is reduced as cutters are sharpened. After every second or third sharpening, reset cutter depth gauges.

- 1. Place depth gauge tool (.025") firmly across top of two cutters. Make sure depth gauge enters slot in depth gauge tool (see Figure 21).
- 2. Use medium flat file. File depth gauge level with depth gauge tool.
- 3. Remove depth gauge tool. With flat file, round off front corner of cutter depth gauge (see Figure 22).

After several hand filings, have authorized service center or sharpening service machine sharpen chain. This will insure even filing.

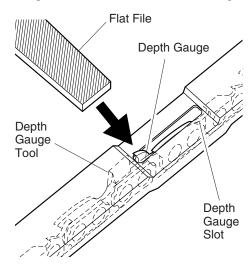


Figure 21 - Depth Gauge Tool On Chain

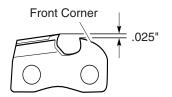


Figure 22 - Round Off Front Corner Of Depth Gauge

REPLACING SAW CHAIN

Replace chain when cutters are too worn to sharpen or when chain breaks. Only use replacement chain noted in this manual. Always include new drive sprocket when replacing chain. This will maintain proper driving of chain. *Note:* For proper chain and drive sprocket, see *Replacement Parts and Accessories*, page 19.

STORAGE

If storing saw for more than 30 days, follow steps below.

- 1. Drain oil tank.
- 2. Remove and clean guide bar and chain. Clean guide bar and chain by soaking in petroleum based solvent or mild soap and water mixture.
- 3. Dry guide bar and chain.
- 4. Place chain in container filled with oil. This will prevent rust.
- 5. Wipe a thin coating of oil over surface of guide bar.
- 6. Wipe off outside of saw body. Do this with soft cloth dampened with a mild soap and water mixture.
- 7. Store chain saw
 - in a high or locked place, out of children's reach
 - in a dry place
 - in a carrying case or with scabbard over guide bar

TECHNICAL SERVICE

You may have further questions about assembling, operating, or maintaining this saw. If so, contact our Technical Service Department at 1-800-858-8501.

You can also visit our technical service web site at **www.desatech.com**.

SERVICE PUBLICATIONS

You can receive an illustrated parts list free of charge. Send a self-addressed stamped envelope to address on back page of this manual.

When writing, include model number and serial number of saw. You will find these numbers on saw motor housing decal.

TROUBLESHOOTING

Note: For additional help, visit our technical service web site at **www.desatech.com**.

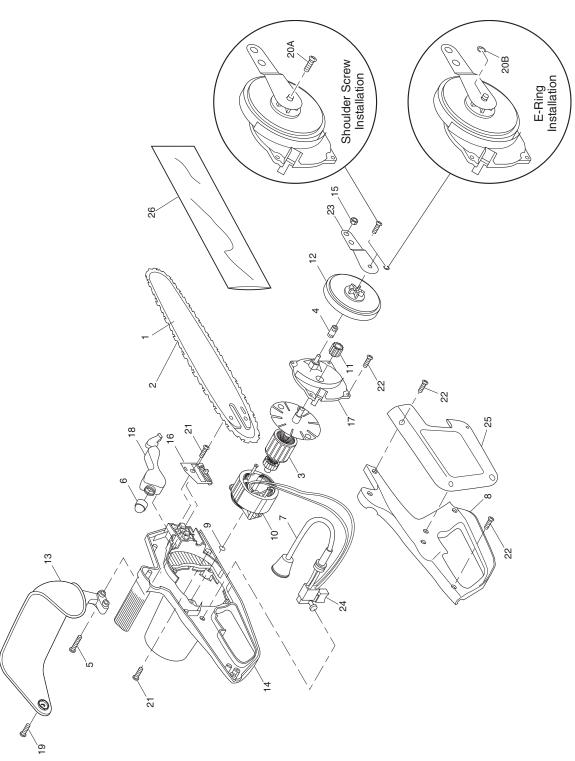
WARNING: Unplug chain saw from power source before servicing. Severe injury or death could occur from electrical shock or body contact with moving chain.

OBSERVED FAULT	POSSIBLE CAUSE	REMEDY
Saw runs, but does not cut	Chain assembled backwards on guide bar	See Assembly, page 6
Saw does not cut unless heavily forced. Cutting produces only sawdust with few large chips	Chain is dull	See Sharpening Saw Chain, page 13
Saw runs slow. Saw stalls easily	Low power supply voltage	Extension cord wire size too small. See <i>Extension Cords</i> , page 8
Motor of saw does not run when you squeeze trigger	 Switch lockout not pressed in to release trigger Extension cord connections loose Open line fuse or circuit breaker Bad motor brushes Open wiring circuit on saw 	 Press in switch lockout before squeezing trigger Check cord connections Check line fuse or circuit breaker See authorized service center See authorized service center
Motor of saw runs, but chain does not move	Gear train failure	See authorized service center
Chain does not get oil	 Clogged oil slot in guide bar Oil is too thick 	 Remove guide bar and clean oil slot Use correct weight of oil. See <i>Filling Oil Tank</i>, page 7
Chain comes off guide bar	 Chain is loose Guide bar and chain not assembled right 	 Tighten chain. See Saw Chain Tension Adjustment, page 7 See Assembly, page 6
Saw smokes	Saw damaged. Do not use saw	See authorized service center
Saw leaks oil	Oil cap is not secure	Tighten oil cap. <i>Note:</i> Empty oil tank when not in use

ELECTRIC CHAIN SAW

ILLUSTRATED PARTS BREAKDOWN

LNT-2



IMPORTANT: Your chainsaw is assembled with <u>EITHER</u> part 20A <u>OR</u> part 20B depending on your saw's design. See illustration above to determine which saw design you have.

PARTS LIST

This list contains replaceable parts used in your chainsaw. When ordering parts, be sure to provide the correct model and serial numbers (from the model plate), then the part number and description of the desired part.

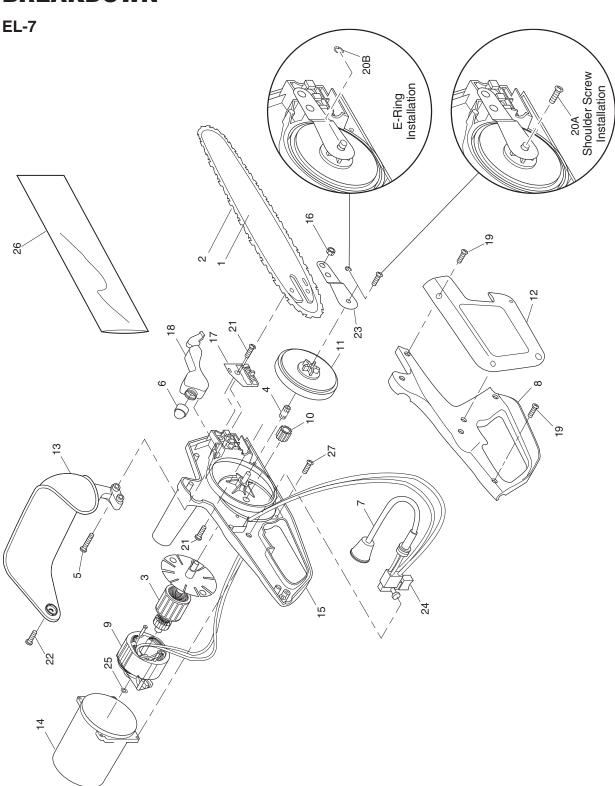
LNT-2

				QTY.	
KEY	PART				107709-01
NO.	NO.	DESCRIPTION	099178H	100089-08	076728K
1	097568-01	Guide Bar, 12"			1
	097570-01	Guide Bar, 14"	1	1	
2	091373-02	Saw Chain			1
	091374-02	Saw Chain	1	1	
3	107481-01	Armature Assembly	1	1	1
4	075676	Sprocket Roller Bearing	1	1	1
5	076744	Hex-Head Bolt	2	2	2
6	107512-01	Cap & Bulb Assembly	1	1	1
7	099829-01	Cord	1	1	1
8	077399-02	Side Cover, Black		1	
9	076105	Thrust Disk	1	1	1
10	107482-01	Field & Brush Assembly	1	1	1
11	059606	Drive Gear	1	1	1
12	107713-01	Internal Gear	1	1	1
13	106809-01	Front Hand Guard	1	1	1
14	079089-02	Motor Housing, Black	1	1	1
15	NPC-4C	Hex Nut	2	2	2
16	077115	Adjusting Plate Assembly	1	1	1
17	075887	Bearing Plate	1	1	1
18	079086-02	Oil Reservoir	1	1	1
19	097403-01	Pan-Head Screw	1	1	1
20A	076905	Pan-Head Shoulder Screw	1	1	1
20B	108120-01	E-Ring	1	1	1 2
21	076906	Flat-Head Tap Screw	2	2	
22	059046	Pan-Head Tap Screw	10	10	10
23	077143	Sprocket Support	1	1	1
24	077525S	Lock-Off Switch	1	1	1
25	106810-01	Sprocket Cover, Black	1	1	1
26	079963-02	Scabbard			1
	079963-04	Scabbard	1	1	

IMPORTANT: Your chainsawis assembled with EITHER part 20A OR part 20B depending on your saw's design. See illustration on previous page to determine which saw design you have.

ELECTRIC CHAIN SAW

ILLUSTRATED PARTS BREAKDOWN



IMPORTANT: Your chainsaw is assembled with EITHER part 20A OR part 20B depending on your saw's design. See illustration above to determine which saw design you have.

PARTS LIST

This list contains replaceable parts used in your chainsaw. When ordering parts, be sure to provide the correct model and serial numbers (from the model plate), then the part number and description of the desired part.

EL-7

			Q	ΓY.
KEY NO.	PART NO.	DESCRIPTION	075762J 100089-07	098031J 099039J 100089-05 107714-02
1	097570-01	Guide Bar, 14"	1	
	097572-01	Guide Bar, 16"		1
2	091374-02	Saw Chain	1	
	091375-02	Saw Chain		1
3	100933-01	Armature	1	1
4	075676	Sprocket Roller Bearing	1	1
5	076744	Hex-Head Bolt	2	2
6	107512-01	Oil Reservoir Cap	1	1
7	099829-01	Cord	1	1
8	077399-02	Side Cover, Black	1	1
9	098042-01	Field	1	1
10	059606	Drive Gear	1	1
11	107713-01	Internal Gear	1	1
12	106810-01	Sprocket Cover	1	1
13	106809-01	Front Hand Guard	1	1
14	076053	Motor Housing Assembly	1	1
15	097034-02	Housing Assembly	1	1
16	NPC-4C	Hex Nut	2	2
17	077115	Adjusting Plate Assembly	1	1
18	079086-02	Oil Reservoir	1	1
19	059046	Pan-Head Tap Screw	6	6
20A	076905	Pan-Head Shoulder Screw	1	1
20B	108120-01	E-Ring	1	1
21	076906	Flat-Head Tap Screw	2	2
22	097403-01	Pan-Head Screw	1	1
23	077143	Sprocket Support	1	1
24	077525S	Lock-off Switch	1	1
25	058059	Thrust Washer	1	1
26	079963-04	Scabbard	1	1
27	059045	Pan Head Tap Screw	4	4
PARTS AVAILABLE - NOT SHOWN				
	079882-01	Hardware Package Includes: 2 - NPC-4C Nuts 2 - 076744 Bolts 1 - 097403-01 So		1

IMPORTANT: Your chainsaw is assembled with <u>EITHER</u> part 20A <u>OR</u> part 20B depending on your saw's design. See illustration on previous page to determine which saw design you have.

ELECTRIC CHAIN SAW

PARTS DEALERS

Ray's Portable Heater Service 3191 Myers Road Camino, CA 95709-9550 530-644-7716

Baltimore Electric 5 Manila Drive Hamden, CT 06514-0322 203-248-7553 1-800-397-7553

Eckley's Small Engine 31617 Spruce Drive Eustis, FL 32726-9592 352-357-6764

Parts Company of America 1657 Shermer Road Northbrook, IL 60062-5362 708-498-5900 1-800-323-0620 www.grainger.com Portable Heater Parts 342 North County Road 400 East Valparaiso, IN 46383-9704 219-462-7441 1-800-362-6951 www.portableheaterparts.com sales@portableheaterparts.com

techservice@portableheaterparts.com

FBD 1349 Adams Street Bowling Green, KY 42103-3414 270-846-1199 1-800-654-8534

Lyons & Lyons Sales Co. Inc. Glen Arm Road Glen Arm, MD 21057-9454 410-665-6500 1-800-333-5966 Ivonsco@erols.com

franktalk@aol.com

Master Part Distributors 1251 Mound Avenue NW Grand Rapids, MI 49504-2672 616-791-0505 1-800-446-1446

www.masterparts.net

Hance Distributors, Inc. 12795 16th Avenue North Plymouth, MN 55441-4556 763-559-2299

www.hanceco.com

Automotive Equipment Service 3117 Holmes Kansas City, MO 64109-1716 816-531-9144 1-800-843-3546 www.aes-lawnparts.com

Bowden Electric Motor Service 1681 S. Wesleyan Blvd. Rocky Mount, NC 27803 252-446-4203

East Coast Energy 10 East Route 36 West Long Branch, NJ 07764-1501 1-800-755-8809

Forrest Lytle and Sons, Inc. 740 West Galbraith Road Cincinnati, OH 45231-6002 513-521-1464 Bortz Chain Saw Shop Road #2, Box 64A Oley, PA 19547-9412 610-987-6452

21st Century 2950 Fretz Valley Road Perkasie, PA 18944-4034 215-795-0400 1-800-325-4828

Laportes 2444 N 5th Street Hartsville, SC 29550-7704 843-332-0191

MTA Distributors 555 Hickory Hills Blvd. Nashville, TN 37189-9244 615-299-8777 1-800-264-0225

Webbs Appliance Center 1519 Church Street Nashville, TN 37203-3004 615-329-4079 1-800-899-4079 Industrial Hardware 4109 Bainbridge Blvd. Chesapeake, VA 23324-1403 804-543-2232 1-800-788-0008 catatem@erols.com

Mills Lawn and Garden 928 Commonwealth Place Virginia Beach, VA 23464 757-361-9293 www.mills-parts.com

Tuco Industrial Products 5223 180th Street SW Suite 4A-1 Lynnwood, WA 98037-4506 425-743-9533 1-800-735-1268 www.tucoheat.com

AUTHORIZED SERVICE CENTERS

ALABAMA (AL)

A & O General Repair Service 1470 Opelika Road Auburn, AL 36830 334-821-7022

Buddy's Small Engine 2500 Triana Blvd. Huntsville, AL 35805 256-536-9404

Southern Power Tool 2824 Cottage Glen Dr. Mobile, AL 36693 334-639-8188

ARIZONA (AZ)

Best Brothers Lawnmower Repair 5549 W. Glendale Avenue Glendale, AZ 85301 602-939-9170

D & L Small Engines, Inc. 10023 North 19th Ave. Phoenix, AZ 85021 602-861-1978

Power Tool Service Center 660 East 19th Street Tucson, AZ 85719 520-884-8974

ARKANSA (AR)

B.G.I. Sales 2918 Willow Road Jonesboro, AR 72401 870-802-1220 Fax: 870-802-1220

CALIFORNIA (CA)

Ray's Portable Heater Service 3191 Meyers Road Camino, CA 95709 530-644-7716

California Electric Service 1170-G Burnett Ave. Concord, CA 94520 925-827-1011 Fax: 925-827-5409

California Electric Service 1208 East Ash Avenue Fullerton, CA 92631 714-870-0900 J & N Garden Equipment 4460 W. Imperial Hwy. Inglewood, CA 90304 310-671-0079

Shamay's Enterprises P.O. Box 3714 58643 Knox-Niman Lane Landers, CA 92285 760-364-2046

West Coast Contractors Supply #28 13th Street San Francisco, CA 94103 415-861-6124

Rincon Valley Yard & Garden 4972 Sonoma Hwy Santa Rosa, CA 95409 707-593-4124

Power Outdoor Equipment 3160 Industrial Drive Yuba City, CA 95993 530-671-1871

COLORADO (CO)

Ace Mower and Small Engines 4718 Chromium Drive Colorado Spring, CO 80918 719-593-0862

Bartell Tool Service 1448 W. Cedar Avenue Denver, CO 80223 303-777-5463

Metrogas Equipment Company 790 West 64th Ave. Denver, CO 80221 303-428-3036

Winfrey's Jones LLP 316 18th Street Greeley, CO 80631 970-353-9576

AAA Electric Company, Inc. 24 South Main Street Longmont, CO 80501 330-776-6031

Dales Electric Motor Repair 932 Coffman Street Longmont, CO 80501 303-651-6907

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Baltimore Electronics 5 Manila Ave. Hamden, CT 06514 203-248-7553 1-800-397-7553

Utility Electric Service 53 Main Street Hartford, CT 06106 860-246-7271

Goodies Sales and Service 133 Hamilton Street New Haven, CT 06515 203-865-1470

R & D Services, LLC 790 South Main Street Plantsville, CT 06479 860-628-5205

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301 Mower Shop 5724 15th Street E. Bradenton, FL 34203 941-758-7844

Eckley's Small Engine 31617 Spruce Drive Eustis, FL 32736 352-357-6764

Bay Lawn Mower Repair 824 Ohio Avenue Lynn Haven, FL 32444 850-265-1100 Fax: 850-265-0740 baylawnmowerrepair.com

Al's Small Engine, Inc. 2496 Blanding Blvd. Middleburg, FL 32068 904-282-5472

Tool Doctor 1825 N. Magnolia Ave. Ocala, FL 34475 352-622-5655

Debary Mower & Repair 1104 Shadick Drive Orange City, FL 32763 386-775-7505 Fax: 386-775-7758 Lindle & Sons Electric Motor Repair 7016 Hwy. 22 Panama City, FL 32401 850-871-1722

Eustis and Sons, Inc. 7035 66th Street North Pinellas Park, FL 34665 727-544-1486

A1A Small Engines & Equipment 420 S. Dixie Hwy. E. Pompano Beach, FL 33060 954-946-5044

Mulvaney's Inc. 2148 W. Tennessee Street Tallahassee, FL 32304 850-576-5578

A-1 Tool Rental, Inc. 2509 South State Road 7 West Hollywood, FL 33023 954-961-9250

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Hamilton Hardware 5300 Veterans Pkwy. Columbus, GA 31904 706-322-6545

Cowan Ace Hardware 1264 Green Street Conyers, GA 30207 770-483-8818

Able Tool Rental 3360 Fairburn Road Douglasville, GA 30135 770-949-1932

Douglasville Ace Hardware 6530 Church Street Douglasville, GA 30133 770-942-7044

Fayette Mower & Appliance 395 S. Glynn St. Fayetteville, GA 30215 770-461-9400

S & P Rental & Supply Co. 259 Grayson Hwy Lawrenceville, GA 30245 770-963-0392 Spray Solutions 476 Flowing Wells Rd. D-1 Martinez, GA 30907 706-855-1293

Tifton Electric Motors 1265 US Hwy. 82E Tifton, GA 31794 912-382-4040

IDAHO (ID)

Rossiter Electric 1501 S. Capitol Ave. Idaho Falls, ID 83403 208-529-3665

Steam Store Rocky Mountain, Inc. 155 North Gate Mile Idaho Falls, ID 83401 208-522-0609

J & J Enterprises 1704 Addison Avenue East Twin Falls, ID 83301 208-733-2001

ILLINOIS (IL)

Uline Lawn Equipment 290 W. Squk Trail Chicago Heights, IL 60411 708-755-2227 708-755-1533 (Fax)

Lange Electric 912 E. Fayette Effingham, IL 62401 217-347-7626

Carter's Small Engine Repair 206 N. Hickory Street Galatia, IL 62935 618-268-4814

H & R Pump Company, Inc. 2111 E. Washington Street Joliet, IL 60434 815-726-2950

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Hutchens Sales and Service R.R. #5, Box 550 Bloomfield, IN 47424 812-876-1891

Nichols Ice & Oil 2018 Park Road Connersville, IN 47331 765-825-3741

B & W Repair Service 213 N. Main Street Dale, IN 47523 812-937-2576

Industrial Motor & Electrical Supply, Inc. 64466 State Road 19 Goshen, IN 46526

Tyrie Mower Repair 110 South 16th Street Lafavette, IN 47905 765-742-7886

Kabelin True Value Hardware 512 Andrew Avenue Laporte, IN 46350 219-362-7917

Lear Lawn & Garden 2204 N. Wolfe Street Muncie, IN 47303 765-282-6273

Li'l Engine Sales & Service, Inc. 1428 Vincennes Street New Albany, IN 47150 812-944-1377

Portable Heater Parts 342 North County Road, 400 East Valparaiso, IN 46383 219-462-7441

D W Handy's 217 West 15th St. Vincennes, IN 47591 812-886-0172

New Paris Farm Store 68443 W. Main Street P.O. Box 96 New Paris, IN 46553 219-831-4823

IOWA (IA)

Beal's Motor Rewinding 600 West Beach Cherokee, IA 51012 712-225-6173

Blink Electric Motors Rear 116 N. 1st Ave Marshalltown, IA 50158 641-752-3036

Northeast Iowa Motor Service 24665-150th Street Sumner, IA 50674 563-578-5883

Black Hawk Rental 324 West 15th Street Waterloo, IA 50702 319-234-4421

KANSAS (KS)

Abilene Rent-All & Sales 1701 West 1st Street Abilene, KS 67410 785-263-7668

NAAB Flectric Inc. 2013 W. Jones Garden City, KS 67846 316-276-8101

Morris Electric Repair 2423 5th Street Great Bend, KS 67530 316-792-2919

McPherson Rental Center 911 West First Street McPherson, KS 67460 620-241-3333

KENTUCKY (KY)

Gillum's Service & Repair 8611 Rt. US 60 Ashland, KY 41102 606-928-4932

E-Z Rent It Inc. 1428 U.S. 31-W By-Pass Bowling Green, KY 42101 270-782-9462

Roman's Repair Shop 601 College Street Bowling Green, KY 42101

Hopkinsville Electric Motor 704 W. 15th Street Hopkinsville, KY 42240 270-886-7585

Rental World, Inc. 9509 Dixie Hwy. Louisville, KY 40272 502-935-8853

All States Industrial Repair 728 E. Center Street Madisonville, KY 42431 270-821-6555

D & C Rental & Sales 84 Keystone Drive P.O. Box 797 Mayfield, KY 42066 270-247-9000

LOUISIANA (LA)

Triangle Bicycle and Lawnmower 5433 Crowder Road New Orleans, LA 70127 504-241-3239

Wayne's Heat & Air 1605 W. Vine Street Opelousas, LA 70570 337-948-4246

Evans of LA. Inc. 907 Cypress Street West Monroe, LA 71291 318-322-6180

MAINE (ME) Richard's Electric Motor 549 Main Street Caribou, ME 04736 207-498-8950

Roger's Electric Motor Shop 823-West Main Street Madawaska, ME 04756 207-728-4253

Rent-N-Save 28 Allen Avenue Portland, ME 04103 207-797-2223

MARYLAND (MD)

Center Supply Company 6802 Industrial Drive #208 Beltsville, MD 20705 301-595-0860

Lehmans Hardware, Inc. 5921 Belair Road Baltimore, MD 21206

Norris Taylor Contractors, Inc. 8480 Ocean Gateway Easton, MD 21601 410-822-2050

Lvons & Lvons Sales Co. Inc. Glen Arm Road Glen Arm, MD 21057-9454 410-665-6500 1-800-333-5966 lyonsco@erols.com

Chesapeake Rent All 210 N. Stokes Street Havre De Grace, MD 21078 410-939-1720

B & M Sharpening & Repair 8614 Church Lane Randalstown, MD 21133 410-655-0801

MASSACHUSETTS (MA)

Ormond's Inc. 115R Dean Ave. Franklin, MA 02038 508-528-2013

Beacon Lumber/Beacon Rental 513 Church Street New Bedford, MA 02745

Mott's Tool Repair Service 92 Rayber Road Orleans, MA 02653 508-240-0764

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R & A Service 12900 Haggerty Road Belleville, MI 48111 734-697-1144

Thompson's Rental Resale Repair 11973 New Lothrop Road Byron, MI 48418 810-266-4969

Hendricks Sales 7876 Division Grand Rapids, MI 49548 616-455-8220

Chicago Drive Rentals, Inc. 11298 Chicago Drive Holland, MI 49424 616-396-9575

Fowler's Farm City Sales 2876 West Washington Road Ithaca, MI 48847 989-875-3976

Superior Industrial Sales & Service 116 N. State Street Jackson, MI 49201 517-784-0539

Norm's Electric Motor Repair 414 Walbridge Street Kalamazoo, MI 49007 616-382-5054

A & J Rentals 550 S. 11th Street Niles, MI 49120 616-684-3200

Bob's Service Shop 2537 W. Drahner Road Oxford, MI 48371 248-628-2601

Bid's Service, Inc. 11276 F Ten Mile Warren, MI 48089 586-759-3040

MINNESOTA (MN)

Perry's Electrical Rebuilders 24664 Hale Avenue Forest Lake, MN 55025 651-464-8054

Andy's Small Engine City 2408 Pearl Ct. SE Rochester, MN 55904 507-280-0373

Reed's Sales & Service 1260 Payne Ave. St. Paul, MN 55101 651-774-9515

MISSISSIPPI (MS) Handy Man Rentals

1904 Shiloh Road Corinth, MS 38834 662-287-2460

MISSOURI (MO)

Stewarts Enterprises 7631 NW Salebarn Road Cameron, MO 64429 816-632-6578

B & J Repair Service 21504 Blue Mills Rd. Independence, MO 64058 816-796-6476

Northwest Power Sales 26848 Haultain Drive Maryville, MO 64468 660-582-5080

Route 7, Box 239 Perryville, MO 63775 573-547-1017

A K Small Engine Works 15726 Hwy C Versailles, MO 65084 573-378-6339

MONTANA (MT)

Tom's Service Repair 1111-6th Avenue North Billings, MT 59101 406-259-6179

Mosch Electric Motors, Inc. 2513 - 17th St. NE Black Eagle, MT 59414 406-453-2481

Sun Rental Center 1301 - 3rd St. NW Great Falls, MT 59404 406-761-6688

NEBRASKA (NE)

Hatten's Electric Service 130 S. Hastings, Box 843 Hastings, NE 68901 402-463-4596

Craft Specialties 201 Pine St. Hadder NF 68738 402-379-3129

Flohr Electric Motor 4356 South 90th Street Omaha, NE 68127 402-331-6863

MSE Parts Unlimited 4935 South 136th Street Omaha, NE 68137 402-895-0806

Ted's Mower Sales and Service, Inc. 5155 Q. Street Omaha, NE 68117 402-731-7058

LaVern Hass Repair 1204 - 1st Road Wisner, NE 68791 402-529-6846

NEW HAMPSHIRE (NH)

Kingston Enterprises 85 North Road Kingston, NH 03848 603-642-3506

NEW JERSEY (NJ)

Associated Industries 2433 Rt. 206 Eastampton, NJ 08060 609-267-8417

Woodchuck's Lawnmower and Appliance 220 Whitehorse Pike Magnolia, NJ 08049 856-783-1111

Tep's Power Equipment 1002 N. High Street Millville, NJ 08332 856-825-8294

Richard's Sharpening Service 824 Mill Road Northfield, NJ 08225 609-641-9481

Capitol Service & Equipment 551 New Market Road Piscataway, NJ 08855 732-968-5577

NEW YORK (NY)

Valley Mower Service 2857 Ellis Creek Road Barton, NY 13734 607-589-4825

White Tool Supply Inc. 3047 Atlantic Avenue Brooklyn, NY 11208 718-227-8844

Lehman's Farm & Home Supply Route 26 Denmark, NY 13631 315-493-1151

M & S Repair Shop 303 Hilltop Drive Elma, NY 14059 716-652-0311

Luther's Outdoor Equipment 3676 State Route 5 Frankfort, NY 13340 315-894-4467

Crossbay Appliance Service 158-34 Crossbay Blvd. Howard Beach, NY 11414 718-843-4422

Provenzano's 84 E. Main Street Kings Park, NY 11754 631-269-1080

The Warranty Center 16 Church Street Kings Park, NY 11754 631-269-9057

Para-Deys Tools 708 Victor Road Macedon, NY 14502 315-986-2520

Allstar Power Equipment 460 East 3rd Street Mount Vernon, NY 10553 914-668-6252

P&C 12 East Street Nunda, NY 14517 716-468-5050

Otega Repair 226 County Hwy 7 Otego, NY 13825 607-988-7859

Owego Agway Coop 38 West Avenue Owego, NY 13827 607-687-2039

Jack-n-Heater Service 185 Beartown Road Painted Post, NY 14870 607-962-1239

Larmon Small Engine 16353 Co. Rt. 91 Pierrepont Manor, NY 13674 315-465-6671

R & D Mower & Snowblower Sales and Service 1632 Empire Blvd. Webster, NY 14580 716-671-9409

ELECTRIC CHAIN SAW

NORTH CAROLINA (NC)

Leonard Electric Motor Repair, Inc. 531 N. Fayetteville Street Asheboro, NC 27203 336-625-2375

Martin Equipment Company 4209-B US 70 E. Goldsboro, NC 27534 919-778-5996

Hickory Home & Garden 336 HWY 321 NW Hickory, NC 28601 704-327-3719

Biltang USA Interstate Supplies 511 Union West Blvd. Stallings, NC 28104 704-893-2878 Fax: 704-893-0442 iss-go.com

O'Mary's Small Engine 220 W. Forlines Road Winterville, NC 28590 252-355-4597

NORTH DAKOTA (ND)

316 21st Street E. Dickson, ND 58601 701-225-0766

901 South 12th Street Grand Forks, ND 58201 701-775-7343

Craig's Small Engine Repair 508 East 2nd Street Williston, ND 58801 701-774-0798

OHIO (OH)

Carter Electrical Repair 3448 Lunar Road NE Carrollton, OH 44615 330-627-4061

North East Mower Service 412 East 156th Street Cleveland, OH 44110 216-531-8197

Lefeld Welding & Steel Supply 600 N. Second Street Coldwater, OH 45828 419-678-2397

Dayton Hardware & Supply 16-32 N. Irwin Street Dayton, OH 45404 513-258-3721 1-800-762-3426 Ohio only

Ken's Repair 3246 S. Sectionline Delaware, OH 43015 740-369-4798

Anytool & Outdoor Power Equip. 21150 Lorain Road Fairview Park, OH 44126 440-356-1920

Deep Run Mower Service 58781 Heil Addn. Deep Run Martins Ferry, OH 43935 740-859-6131

Worcester Sales and Service 34200 Lorian Road N. Ridgeville, OH 44039 440-327-2196 Leonard Hardware 145 North 15th Street Sebring, OH 44672 330-938-6329

Sparks Sales & Service 5184 Fletcher Chapel Road Springfield, OH 45502 937-323-5925

United Rentals of North America 5745 Angola Road Toledo, OH 43615 419-865-5539

OKLAHOMA (OK)

Kay Electric Company 1101 W. Broadway P.O. Box 635 Altus, OK 73522 580-482-1757

Sooner Distributors 3021 S. High Street Oklahoma City, OK 73143 405-634-3391

H. L. Moss 1714 E. 15th Street Tulsa, OK 74104 918-744-1305

OREGON (OR)

Turner's Lawnmower and Saw 728 SE Robin Way Gresham, OR 97080 503-665-5441

Pendleton Grain Growers 200 S. 1st Street Hermiston, OR 97801 541-567-5591

Appliance Repair Central 3203 NE Sandy Blvd. Portland, OR 97232 503-234-7339

PENNSYLVANIA (PA)

General Rental & Sales Center P.O. Box 810 Old Rt 1 & 41 Avondale, PA 19311 610-268-2825

Bud's Tractor and Mower Sevice 21 Bock Lane Baden, PA 15005 724-869-7142

Engine Doctors 20 Russell Blvd. Bradford, PA 16701 814-362-3091

Pro-Fix 136 Narrows Road Edwardsville, PA 18651 570-288-0476

Four All Seasons 641 N. Mountain Road Harrisburg, PA 17112 717-545-5114

Carson's Hardware 637-43 Main Street Hellertown, PA 18055 610-838-7741

Al Muccioli's Service 2001 Bedford Street Suite C Johnstown, PA 15904 814-266-5734 0Valray Nurseries Inc. R.D. #8, Box 362 Kittanning, PA 16201 724-548-1579

Hillyard Equipment Service Center 633 Lausch Lane Lancaster, PA 17601 717-569-5768

Petrosky's Hardware & Supply Co. 602 Alexandria Street Latrobe, PA 15650 724-537-3541

Raymond, M. Nolt 290 S. Shirk Road New Holland, PA 17557 717-354-0198

Snyder Electric Company 1500 Chateau Street Pittsburgh, PA 15233 412-231-3100

Stamm's Mower Repair Rd. 5, Pine Lane Box 150 Selinsgrove, PA 17870 570-743-7651

SOUTH CAROLINA (SC)

Hall's Small Motor Repair 225 Heathwood Drive Aiken, SC 29803 803-649-6313

Todd's Electric Motor Repair 110 Laurel Street Conway, SC 29526 843-248-2444

Laportes 2444 N. 5th Street Hartsville, SC 29550 843-857-0222

TENNESSEE (TN)

Vista Small Engine 1510 Vista Lane Clarksville, TN 37043 931-552-6953

Master Repair Service 239 Elmore Road Crossville, TN 38555 931-484-2061

The Speciality Shop 2300 East Magnolia Avenue Knoxville, TN 37917 865-523-6894

Authorized Equipment Service 812 Polk Avenue Memphis, TN 38126 901-774-0850

Webb's Appliance Service Center 1519 Church Street Nashville, TN 37203 615-329-4079

TEXAS (TX) Brunson Feed Mill

Brunson Feed Mill 709 Sealy Ave. Ballinger, TX 76821 915-365-2419

Bud's LP Gas & Supply 225 Grand Channelview, TX 77330 713-457-2456

Corpus Christi Power Tool & Rpr. 3701 Agnes Corpus Christi, TX 78405 361-883-1117 Freel Enterprise 118 Elston Dallas, TX 75232 214-376-9913

Southwest Electric Service 3008 Canton St. Dallas, TX 75226 214-742-8211

Powell's Small Engine Service 5906 Hwy 66 Greenville, TX 75402 903-454-1877

Houston Lawnmower & Saw Works 620-1/2 W. 19th Street Houston, TX 77008 713-864-9269 Fax: 713-864-9338

Ray DeSpain's Inc. P.O. Box 184, Loop 494 North New Caney, TX 77357 281-689-2121 Service Department

James Lawnmower Sales 5034 Rigsby San Antonio, TX 78222 210-648-0182 Fax: 210-648-3636

UTAH (UT)

Roosevelt Service Center P.O. Box 1308 133 South 3rd East Roosevelt, UT 84066 435-722-2119

Appliance Service Center 1475 S. Main Street Salt Lake City, UT 84115 801-467-6361

Tooele Valley Sales & Service 398 N. Main Street Tooele, UT 84074 435-882-8180 Fax: 435-882-8181

VERMONT (VT)

Brown and Roberts 182 Main Street Brattleboro, VT 05301 802-257-4566

VIRGINIA (VA) Industrial Hardware

Industrial Hardware 4109 Bainbridge Blvd. Chesapeake, VA 23324 804-543-2232

Warren E. Smith Shops 406 Cambria Street Christiansburg, VA 24073 540-382-5501

B & B Appliance & Lawn Equipment 71 Lawson Road SE Suite C Leesburg, VA 22075 703-777-1093

Roberts Small Engine Repair 1109 Curve Road Pearisburg, VA 24134 540-921-3255

Outdoor Power Equipment 1136-40 Myrtle Street Suffolk, VA 23434 757-925-4933

Mills Repair Service 928 Commonwealth Place Virginia Beach, VA 23464 757-361-9293

WASHINGTON (WA)

Action Small Appliance Service 1500 - 145th Place SE Bellevue, WA 98007 425-643-9806

TUCO Industrial Products 5223 - 180th SW Suite 4A-1 Lynnwood, WA 98037 425-743-9533

Action Small Appliance 2125 Second Avenue Seattle, WA 98121 206-448-2020

Lifficks Electric Shop 8239 S. Park Avenue Tacoma, WA 98408 253-474-7403

WEST VIRGINIA (WV)

Beckley Mower Service 405 Prince Street Beckley, WV 25802 304-253-5748

Raymond's Service Center Route 65 Delbarton, WV 25670 304-475-2855

Town and Country Supply 4117 First Avenue Nitro, WV 25143 304-755-3520

WISCONSIN (WI)

Smith Petroleum Ltd. 217 N. Walworth Darien, WI 53114 262-724-3206

Ohnstad Power Equipment 12012 Center Hill Road Darlington, WI 53530 608-776-3802

Bob's Engine Shop 513 S. Military Road Fond Du Lac, WI 54935 920-921-2841

Reliance Electric Motors 1621 Livingstone Road Hudson, WI 54016 715-386-3633

Kewaunee Small Engine E2068 State Hwy 29 Kewaunee, WI 54216 920-388-2604

Ken's Economy Sales 8887 Highway A Marshfield, WI 54449 715-676-2143

Cliff's Tractor Place Hwy 35-133 P.O. Box 76 Patch Grove, WI 53817 608-994-2354

Barton Small Engine 1628 N. Main Street West Bend, WI 53090 262-334-5373

REPLACEMENT PARTS AND ACCESSORIES

Purchase these accessories and parts from your nearest dealer or service center. If they can not supply these accessories or parts, either contact your nearest Parts Dealer or DESA Specialty ProductsTM for referral information. Parts dealers are listed in this manual.

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Part Number	Description
104302-01S#	Guide bar, 8"
104301S#	Chain, 8"
097567-01S	Guide bar, 10"
091371S	Chain, 10"
097568-02S	Guide bar, 12"
091373-02S	Chain, 12"
107713-01	Drive sprocket

099178H, 100089-06, 100089-07, 100089-08, & EL-1

Part Number	Description
097570-01S	Guide bar, 14"
091374-02S	Chain, 14"
107713-01	Drive sprocket

[#] Must order both pieces.

WARNING: Use only replacement parts and accessories described in this manual. Use of other parts or accessories could damage saw or injure operator.

You can also visit our technical service web site at **www.desatech.com**.

DESA Specialty ProductsTM P.O. Box 90004 Bowling Green, KY 42102-9004 1-800-858-8501

EL-7, 098031J, 099039J, 100089-04, 100089-05

Part Number	Description
097572-03S	Guide bar, 16"
091375-02S	Chain, 16"
107713-01	Drive sprocket

 POLE SAW, 104316-04 (8")

 POLE SAW ASSEMBLY, 104317

 Part Number
 Description

 104302-01S
 Guidebar, 8"

 104301S
 Chain, 8"

 107713-01
 Drive Sprocket

POLE SAW, 106890-01 (10") POLE SAW ASSEMBLY, 106821

Part Number	Description
097567-01S	Guidebar, 10"
091371S	Chain, 10"
107713-01	Drive Sprocket

 General

 Part Number
 Description

 079963-02
 Plastic scabbard, 8" & 10"

 079963-04
 Plastic scabbard, 12", 14", & 16"

 106809-01
 Hand Guard

 077155
 Adjusting Plate Assy.

REPAIR SERVICE

Note: Only use original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

Each authorized service center is independently owned and operated. For additional service center or warranty information, call 1-800-858-8501 or visit our technical service web site at **www.desatech.com**.

WARRANTY SERVICE

If saw requires warranty service, return it to nearest authorized service center. You must show proof of purchase. If faulty materials or workmanship caused damage, we will repair or replace saw without charge.

NON-WARRANTY SERVICE

If saw requires service, return it to nearest authorized service center. Repairs will be billed to you at regular repair list prices. *Note:* Normal wear, misuse, abuse, neglect, or accidental damage is not covered under warranty.

Model	
Date Purchased	

ELECTRIC CHAIN SAW LIMITED WARRANTY

Always specify model and serial numbers when writing the factory.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty. We make no other warranty, expressed or implied.

DESA Specialty ProductsTM warrants this electric chain saw and any parts thereof, to be free from defects in material and workmanship for one year (90 days for reconditioned unit) from the date of first purchase from an authorized dealer, provided that the product has been properly maintained and operated in accordance with all applicable instructions. The bill of sales or proof of purchase must be presented at the time a claim is made under this warranty.

This warranty is extended only to the original retail purchaser. This warranty covers only the parts and labor required to restore this chain saw to its proper operating condition. Warranty parts must be obtained through factory authorized dealers and service centers for this product. These dealers and service centers will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty.

This warranty does not cover commercial, industrial, or rental usage, nor does it apply to parts that are not in original condition because of normal wear and tear, or parts that fail or become damaged as a result of misuse, accident, lack of proper maintenance, tampering, or alteration. Travel, handling, transportation, and incidental costs associated with warranty repairs are not reimbursable under this warranty and are the responsibility of the owner.

To the full extent allowed by the law of the jurisdiction that governs the sale of the product, this express warranty excludes any and all other expressed warranties and limits the duration of any and all implied warranties, including warranties of merchantability and fitness for a particular purpose to one year form the date of first purchase, and DESA Specialty Products TM liability is hereby limited to the purchase price of the product and DESA Specialty Products Products

Some states do not allow limitation of how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitation of damages may not apply to you.

This warranty provides the original purchaser with specific rights. For information regarding those rights, please consult the applicable state laws.



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