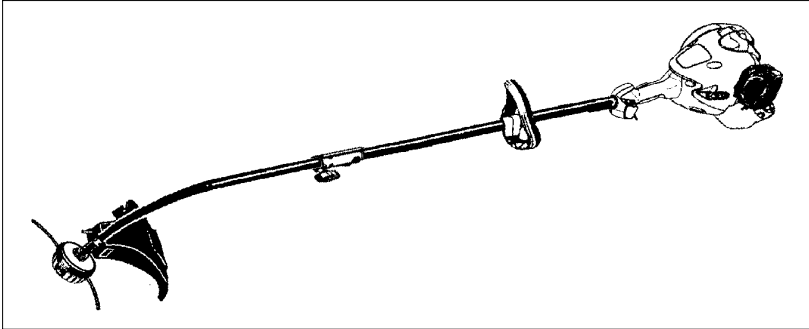




**250CXL**



**GB**

**INSTRUCTION MANUAL**

**IMPORTANT INFORMATION:** Please read these instructions carefully and make sure you understand them before using this unit. Retain these instructions for future reference.

**FR**

**MANUEL D'INSTRUCTIONS**

**RENSEIGNEMENTS IMPORTANTS:** Avant d'utiliser cet appareil, veuillez lire attentivement les instructions et assurez-vous de les avoir comprises. Conservez les instructions pour référence ultérieure.

**DE**

**BETRIEBSANWEISUNG**

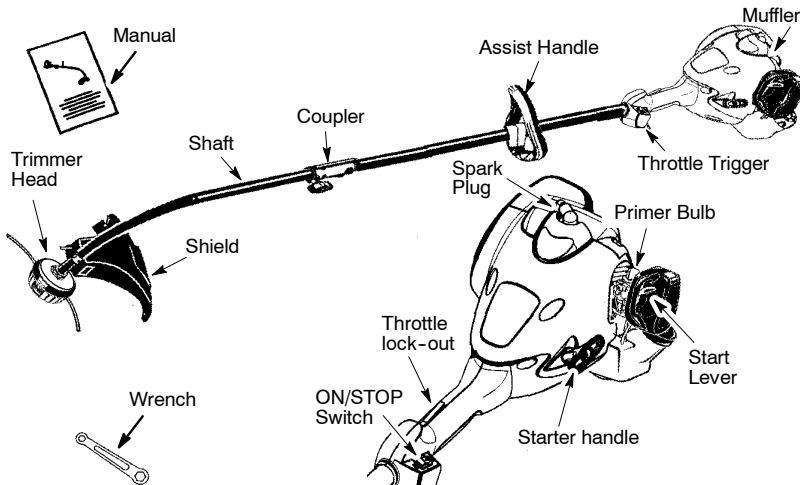
**WICHTIGE INFORMATION:** Lesen Sie diese Hinweise zur Handhabung des Geräts aufmerksam durch. Verwenden Sie es erst, wenn Sie sicher sind, daß Sie alle Anweisungen verstanden haben und gut aufbewahren.

**ES**

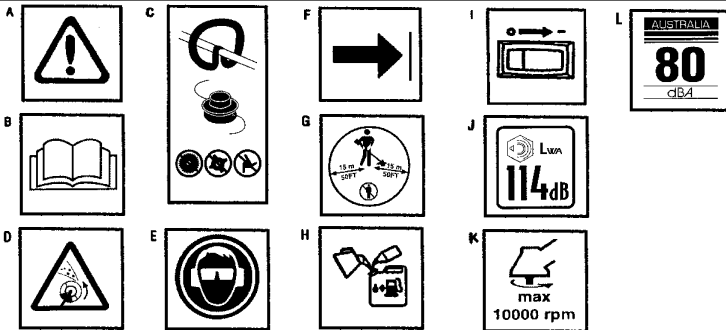
**MANUAL DE INSTRUCCIONES**

**INFORMACIÓN IMPORTANTE:** Lea atentamente las instrucciones y asegúrese de entenderlas antes de utilizar esta aparato. Conserve las instrucciones para la referencia en el futuro.

## IDENTIFICATION (WHAT IS WHAT?)



## IDENTIFICATION OF SYMBOLS



- A. **WARNING!** This trimmer can be dangerous! Careless or improper use can cause serious or even fatal injury.
- B. Read and understand the instruction manual before using the trimmer.
- C. With this handle, only use trimmer head. Never use blades or flailing devices with this tool.
- D. **WARNING!** The trimmer line can throw objects violently. You can be blinded or injured. Always wear eye protection.
- E. Always use:  
Ear protection  
Protective glasses or visor
- F. Assist handle to be positioned only below the arrow.
- G. The operator of the machine must insure that no one comes within a 15 meter radius while working. When several operators are working within the same area a safety distance of at least 15 meters must be observed.
- H. Use unleaded or quality leaded petrol and two-stroke oil mixed at a ratio of 2.5%.
- I. Engine ON/STOP Switch.
- J. Guaranteed sound power level according to Directive 2000/14/EC
- K. Maximum rotational frequency of the spindle, rpm
- L. Sound pressure level at 7,5 meters

# SAFETY RULES

**⚠ WARNING:** When using gardening appliances, basic safety precautions should always be followed to reduce the risk of fire and serious injury. Read and follow all instructions.

*This power unit can be dangerous!* Operator is responsible for following instructions and warnings on unit and in manual. Read entire instruction manual before using unit! Be thoroughly familiar with the controls and the proper use of the unit. Restrict the use of this unit to persons who read, understand, and follow instructions and warnings on unit and in manual. Never allow children to operate this unit.



INSTRUCTION MANUAL



SAFETY INFORMATION ON THE UNIT

**⚠ DANGER:** Never use blades with line trimmer attachment. Never use flailing devices with any attachment. This unit (when used with supplied line trimmer attachment) is designed for line trimmer use only. Use of any other accessories with line trimmer attachment will increase the risk of injury.



**⚠ WARNING:** Trimmer line throws objects violently. You and others can be blinded/injured. Wear safety glasses and leg protection. Keep body parts clear of rotating line.



Keep children, bystanders, and animals 15 meters away. If approached stop unit immediately. If situations occur which are not covered in this manual, use care and good judgement. If you need assistance, contact your authorized service dealer.

## OPERATOR SAFETY

**⚠ WARNING:** This machine produces an electromagnetic field during operation. Under some circumstances, this field may interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

- Dress properly. Always wear safety glasses or similar eye protection when operating, or performing maintenance, on your unit (safety glasses are available). Eye protection should be marked Z87.
- Always wear face or dust mask if operation is dusty.
- Always wear heavy, long pants, long sleeves, boots, and gloves. Wearing safety leg guards is recommended.
- Always wear foot protection. Do not go barefoot or wear sandals. Stay clear of spinning line.
- Secure hair above shoulder length. Secure or remove loose clothing or clothing with loosely hanging ties, straps, tassels, etc. They can be caught in moving parts.
- Being fully covered also helps protect you from debris and pieces of toxic plants thrown by spinning line.
- Stay Alert. Do not operate this unit when you are tired, ill, upset or under the influence of alcohol, drugs, or medication. Watch what you are doing; use common sense.
- Wear hearing protection. Long or continuous exposure to high noise levels may cause permanent hearing impairment.
- Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire!
- Never start or run inside a closed room or building. Breathing exhaust fumes can kill.
- Keep handles free of oil and fuel.
- Always keep engine on the right hand side of your body.
- Hold the unit firmly with both hands.
- Keep trimmer head (or other optional attachment) below waist level and away from all parts of your body. Do not raise engine above your waist.
- Keep all parts of your body away from muffler and spinning line (or other optional attachment). Keep engine below waist level. A hot muffler can cause serious burns.
- Keep firm footing and balance. Do not over-reach or use from unstable surfaces such as ladders, trees, steep slopes, rooftops, etc.
- Use only in daylight or good artificial light.
- Use only for jobs explained in this manual (or manuals for optional attachments).

## UNIT / MAINTENANCE SAFETY

- Disconnect the spark plug before performing maintenance except carburetor adjustments.
- Look for and replace damaged or loose parts before each use. Look for and repair fuel leaks before use. Keep in good working condition.
- Replace trimmer head parts that are chipped, cracked, broken, or damaged in any other way before using the unit.
- Maintain unit according to recommended procedures. Keep cutting line at proper length.

- Use only 2 mm diameter McCulloch brand line. Never use wire, rope, string, etc.
- Install required shield properly before using the unit. Use only specified trimmer head; make sure it is properly installed and securely fastened.
- Make sure unit is assembled correctly as shown in this manual.
- Make carburetor adjustments with lower end supported to prevent line from contacting any object.
- Keep others away when making carburetor adjustments.
- Use only recommended McCulloch accessories and replacement parts.
- Have all maintenance and service not explained in this manual performed by an authorized service dealer.

#### FUEL SAFETY

- Mix and pour fuel outdoors.
- Keep away from sparks or flames.
- Use a container approved for fuel.
- Do not smoke or allow smoking near fuel or the unit.
- Avoid spilling fuel or oil. Wipe up all fuel spills.
- Move at least 3 meters away from fueling site before starting engine.
- Stop engine and allow to cool before removing fuel cap.
- Always store gasoline in a container approved for flammable liquids.

#### TRANSPORTING AND STORAGE

- Allow the engine to cool; secure unit before storing or transporting in vehicle.
- Empty fuel tank before storing or transporting the unit. Use up fuel left in the carburetor by starting engine and letting it run until it stops.
- Store unit and fuel in an area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.
- Store unit so line limiter cannot accidentally cause injury. Unit can be hung by the shaft.
- Store the unit out of the reach of children.
- Secure the machine during transport.

**SPECIAL NOTICE:** Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hands, and joints of people prone to circulation disorders or abnormal swellings. Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. If symptoms occur such as numbness, pain, loss of strength, change in skin color or texture, or loss of feeling in the fingers, hands, or joints, discontinue the use of this tool and seek medical attention. An anti-vibration system does not guarantee the avoidance of these problems. Users who operate power tools on a continual and regular basis must monitor closely their physical condition and the condition of this tool.

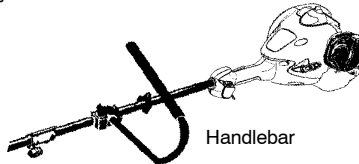
#### LINE TRIMMER SAFETY

- **WARNING:** Inspect the area to be trimmed before each use. Remove objects (rocks, broken glass, nails, wire, etc.) which can be thrown by or become entangled in line. Hard objects can damage the trimmer head and be thrown causing serious injury.
- Use only for trimming, scalping, mowing and sweeping. Do not use for edging, pruning or hedge trimming.
- Cut from your right to your left. Cutting on left side of the shield will throw debris away from the operator.

#### ADDITIONAL SAFETY RULES FOR OPTIONAL ATTACHMENTS

- **WARNING:** For each optional attachment used, read entire instruction manual before use and follow all warnings and instructions in manual and on attachment.

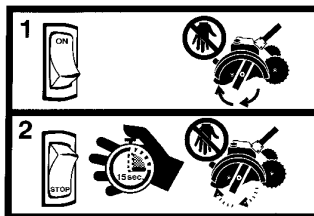
- **WARNING:** Ensure handlebar is installed when using edger or brushcutter attachments. Attach handlebar above arrow on safety label on the upper shaft (engine end of unit). If your edger or brushcutter attachment does not include a handlebar, a handlebar accessory kit (#530071451) is available from your authorized service dealer.



Handlebar

#### EDGER SAFETY

- **WARNING:** Inspect the area to be edged before each use. Remove objects (rocks, broken glass, nails, wire, etc.) which can be thrown by the blade or can wrap around the shaft.
- Blade rotates momentarily after the trigger is released. The blade can seriously cut you or others.
- Allow blade to stop before removing it from the cut.



- Throw away blades that are bent, warped, cracked, broken or damaged in any other way. Replace parts that are cracked, chipped, or damaged before using the unit.

- Do not attempt to remove cut material nor hold material to be cut when the engine is running or when cutting blade is moving.
- Always keep the wheel and depth adjusting skid in contact with the ground.
- Always push the unit slowly over the ground. Stay alert for uneven sidewalks, holes in the terrain, large roots, etc.
- Always use the handlebar when using edger attachment.

### BLOWER/VACUUM SAFETY

**WARNING:** Inspect area before starting unit. Remove all debris and hard objects such as rocks, glass, wire, etc. that can ricochet, be thrown, or otherwise cause injury or damage during operation.

- Do not set unit on any surface except a clean, hard area while engine is running. Debris such as gravel, sand, dust, grass, etc., could be picked up by the air intake and thrown out through discharge opening, damaging unit, property, or causing serious injury to bystanders or operator.
- Never place objects inside the blower tubes, vacuum tubes or blower outlet. Always direct the blowing debris away from people, animals, glass, and solid objects such as trees, automobiles, walls, etc. The force of air can cause rocks, dirt, or sticks to be thrown or to ricochet which can hurt people or animals, break glass, or cause other damage.
- Never run unit without the proper equipment attached. When using your unit as a blower, always install blower tubes.
- Check air intake opening, blower tubes or vacuum tubes frequently, always with engine stopped and spark plug disconnected. Keep vents and discharge tubes free of debris which can accumulate and restrict proper air flow.
- Never place any object in air intake opening as this could restrict proper air flow and cause damage to the unit.
- Never use for spreading chemicals, fertilizers, or other substances which may contain toxic materials.
- To avoid spreading fire, do not use near leaf or brush fires, fireplaces, barbecue pits, ashtrays, etc.

### BRUSHCUTTER SAFETY

**DANGER:** Blade can thrust violently away from material it does not cut. Blade thrust can cause amputation of arms or legs.



**WARNING:** Do not use trimmer head as a fastening device for the blade.



**WARNING:** The blade continues to spin after the throttle is released or engine is turned off. The coasting blade can throw objects or seriously cut you if accidentally touched. Stop the blade by contacting the right hand side of the coasting blade with material already cut.

Stop coasting blade by contact with cut material.



**WARNING:** Inspect the area to be cut before each use. Remove objects (rocks, broken glass, nails, wire, etc.) which can be thrown or become entangled in the blade or trimmer line.

- Throw away and replace blades that are bent, warped, cracked, broken or damaged in any other way.
- Install required shield properly before using the unit. Use the metal shield for all metal blade use.
- Use only specified blade and make sure it is properly installed and securely fastened.
- Cut from your left to your right. Cutting on the right side of the shield will throw debris away from the operator.
- Always use the handlebar and a properly adjusted shoulder strap with blade (see ASSEMBLY instructions in brushcutter attachment instruction manual).

### CULTIVATOR SAFETY

**WARNING:** Rotating tines can cause serious injury. Keep away from rotating tines. Stop the engine and disconnect the spark plug before unclogging tines or making repairs.

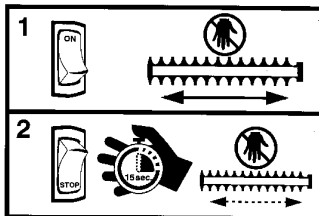


**WARNING:** Inspect the area to be cultivated before starting the unit. Remove all debris and hard and sharp objects such as rocks, vines, branches, rope, string, etc.

- Avoid heavy contact with solid objects that might stop the tines. If heavy contact occurs, stop the engine and inspect the unit for damage.
- Never operate the cultivator without the tine cover in place and properly secured.
- Keep the tines and guard clear of debris.
- After striking a foreign object, stop the engine, disconnect the spark plug and inspect the cultivator for damage. Repair before re-starting.
- Disconnect attachment from the drive engine before cleaning the tines with a hose and water to remove any build-up. Oil the tines to prevent rust.
- Always wear gloves when servicing or cleaning the tines. The tines become very sharp from use.
- Do not run unit at high speed unless cultivating.

#### HEDGE TRIMMER SAFETY

**DANGER: RISK OF CUT; KEEP HANDS AWAY FROM BLADE** - Blade moves momentarily after the trigger is released. Do not attempt to clear away cut material when the blade is in motion. Make sure the switch is in the STOP position, the spark plug wire is disconnected, and the blade has stopped moving before removing jammed material from the cutting blade. Do not grab or hold the unit by the cutting blade.



**WARNING:** Inspect the area before starting the unit. Remove all debris and hard objects such as rocks, glass, wire, etc. that can ricochet, be thrown, or otherwise cause injury or damage during operation.

- Do not use a cutting blade that is bent, warped, cracked, broken or damaged in any other way. Have worn or damaged parts replaced by your authorized service dealer.
- Always keep unit in front of your body. Keep all parts of your body away from the cutting blade.
- Keep the cutting blade and air vents clear of debris.

#### POLE PRUNER SAFETY

**WARNING:** The reciprocating blade/rotating chain can cause severe injury. Inspect the unit before use. Do not operate unit with a bent, cracked or dull blade or dull chain. Keep away from the blade/chain. The reciprocating blade/rotating chain is sharp. Do not touch. To prevent serious injury, always stop engine and ensure blade/chain has stopped moving, disconnect spark plug, and wear gloves when changing or handling the blade or chain.

**WARNING:** A coasting blade/rotating chain can cause injury while it continues to move after the engine is stopped. Maintain proper control of the unit until the blade/chain has completely stopped moving. Keep hands, face and feet at a distance from all moving parts. Do not attempt to touch or stop the blade or chain when it is moving.



**WARNING:** Falling objects can cause severe head injury. Wear head protection when operating this unit with a pole pruner attachment.



**WARNING:** To prevent serious injury, do not use more than one boom extension with a pole pruner attachment.

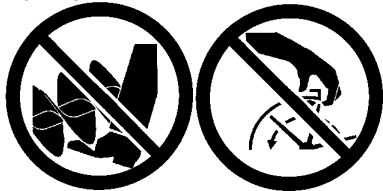
**WARNING:** Keep the pruner away from power lines or electrical wires.

- Only use for pruning limbs or branches up to 10 cm in diameter.
- Do not operate the unit faster than the speed needed to prune. Do not run the unit at high speed when not pruning.

- Always stop the unit when work is delayed or when walking from one cutting location to another.
- If you strike or become entangled with a foreign object, stop the engine immediately and check for damage. Have any damage repaired by an authorized service dealer before attempting further operations. Discard blades that are bent, warped, cracked or broken.
- Stop the unit immediately if you feel excessive vibration. Vibration is a sign of trouble. Inspect thoroughly for loose nuts, bolts or damage before continuing. Contact an authorized service dealer for repair or replacement of affected parts as necessary.

### SNOW THROWER SAFETY

**⚠ WARNING:** Keep hands and feet away from the rotor when starting or running the engine. Never attempt to clear the rotor with the engine/motor running. Stop engine and disconnect spark plug before unclogging snow or debris from discharge chute or when adjusting vanes.



**⚠ WARNING:** Never lean over discharge chute. Rocks or debris could be thrown into the eyes and face and cause serious injury or blindness.

**⚠ WARNING:** Inspect the area where the unit is to be used. Remove objects that could be thrown or damage the unit. Some objects may be hidden by fallen snow - be alert for the possibility.

- Direct material discharge away from glass enclosures, automobiles, etc.
- Do not run engine at high speed while not removing snow.
- Be attentive when using the snowthrower, and stay alert for holes in the terrain and other hidden hazards.
- Make sure the rotor will spin freely before attaching the snowthrower to the powerhead.
- If the rotor will not rotate freely due to frozen ice, thaw the unit before thoroughly before attempting to operate under power.
- Keep the rotor clear of debris.
- Do not throw snow near other people. The snow thrower could propel small objects at high speed causing injury.
- After striking a foreign object, stop the engine, disconnect spark plug and inspect the snowthrower for damage and repair if necessary before restarting unit.
- Never operate the snowthrower near glass enclosures, automobiles and trucks. Never attempt to use the snowthrower on a roof.
- Never operate the snowthrower near window wells, dropoffs, etc.
- Never discharge snow onto public roads or near moving traffic.
- Clear snow from slopes by going up and down; never across. Use caution when changing directions. Never clear snow from steep slopes.
- Let snowthrower run for a few minutes after clearing snow so moving parts do not freeze.
- Look behind and use care when backing up. Exercise caution to avoid slipping or falling, especially when operating in reverse.
- Know how to stop quickly.

## ASSEMBLY

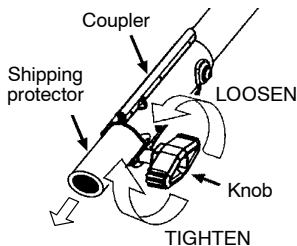
**⚠ WARNING:** If received assembled, repeat all steps to ensure your unit is properly assembled and all fasteners are secure. Examine parts for damage. Do not use damaged parts.

It is normal for the fuel filter to rattle in the empty fuel tank. Finding fuel or oil residue on muffler is normal due to carburetor adjustments and testing done by the manufacturer.

### INSTALLING TRIMMER ATTACHMENT

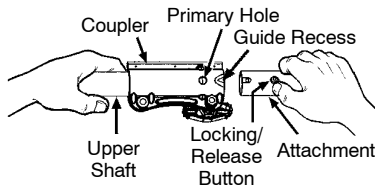
**CAUTION:** When installing trimmer attachment, place the unit on a flat surface for stability.

1. Loosen the coupler by turning the knob counterclockwise.

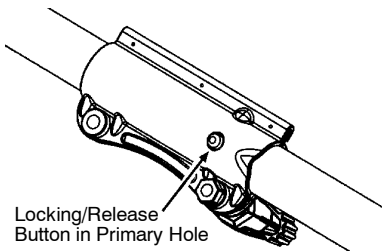


2. Remove shipping protector from coupler.
3. Remove the shaft cap from the trimmer attachment (if present).
4. Position locking/release button of attachment into guide recess of coupler.
5. Push the attachment into the coupler until the locking/release button snaps into the primary hole.

- Before using the unit, tighten the knob securely by turning clockwise.



**WARNING:** Make sure the locking/release button is locked in the primary hole and the knob is securely tightened before operating the unit. All attachments are designed to be used in the primary hole unless otherwise stated in the applicable attachment instruction manual. Using the wrong hole could lead to serious injury or damage to the unit.

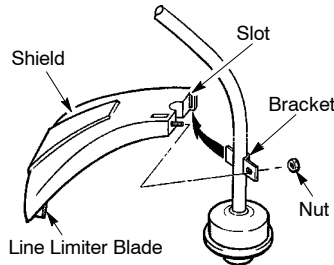


For optional attachments, see the ASSEMBLY section of the applicable attachment instruction manual.

## ATTACHING THE SHIELD

**WARNING:** The shield must be properly installed. The shield provides partial protection from the risk of thrown objects to the operator and others and is equipped with a line limiter which cuts excess line. The line limiter (on underside of shield) is sharp and can cut you.

- Remove nut from shield.
- Insert bracket into slot on shield.
- Pivot shield until bolt passes through hole in bracket.
- Reinstall nut and tighten securely with wrench (provided).



## ADJUSTING THE HANDLE

**WARNING:** When adjusting the handle, be sure it remains between the trigger and the safety label. Assist handle must be positioned only below the arrow.

- Loosen wing nut on handle.
- Rotate the handle on the shaft to an upright position; retighten wing nut.

# OPERATION

**WARNING:** Be sure to read the fuel information in the safety rules before you begin. If you do not understand the safety rules, do not attempt to fuel your unit. Contact an authorized service dealer.

## FUELING ENGINE

**WARNING:** Remove fuel cap slowly when refueling.

This engine is certified to operate on unleaded petrol. Before operation, petrol must be mixed with a good quality 2-cycle air-cooled engine oil designed to be mixed at a ratio of 40:1. A 40:1 ratio is obtained by mixing 5 liters of unleaded petrol with 0,125 liter of oil. **DO NOT USE** automotive oil or marine oil. These oils will cause engine damage. When mixing fuel, follow instructions printed on oil container. Once oil is added to petrol, shake container momentarily to assure that the fuel is thoroughly mixed. Always read and follow the safety rules relating to fuel before fueling your unit.

**CAUTION:** Never use straight petrol in your unit. This will cause permanent engine damage.

## FUEL REQUIREMENTS

Use good quality unleaded petrol. The lowest recommended octane grade is 90 (RON).

## IMPORTANT

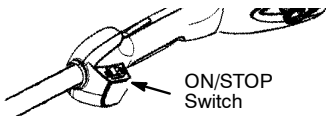
Use of alcohol blended fuels (more than 10% alcohol) can cause major engine performance and durability problems.

**WARNING:** Incorrect use of fuel and/or lubricants will cause problems such as: improper clutch engagements, overheating, vapor lock, power loss, lubrication deficiency, deterioration of fuel lines, gaskets and internal carburetor components, etc. Alcohol blended fuels will cause a high absorption of moisture in the fuel/oil mixture, causing the separation of oil and fuel.

## HOW TO STOP YOUR UNIT

- To stop the engine, move the ON/STOP switch to the STOP position.



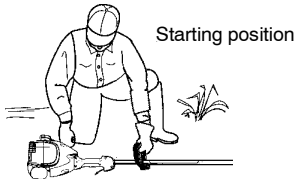


ON/STOP Switch

## HOW TO START YOUR UNIT

**WARNING:** Avoid any contact with the muffler. A hot muffler can cause serious burns.

### STARTING A COLD ENGINE (or a warm engine after running out of fuel)

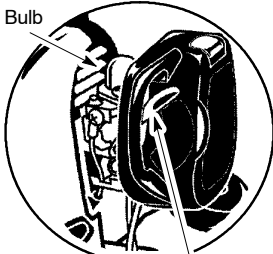


Starting position

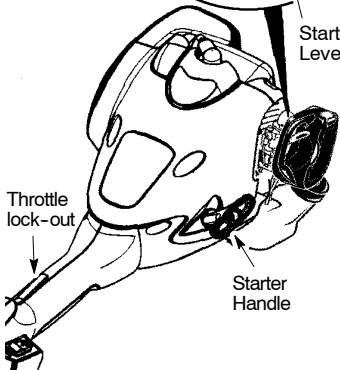
**NOTE:** The throttle lock-out must be engaged to allow operation of the throttle trigger. The lock-out is engaged with the palm of your hand as you grip the throttle handle. DO NOT squeeze the throttle trigger until the engine has started and runs.

1. Set unit on a flat surface.
2. Move ON/STOP switch to the ON position.
3. Slowly press the primer bulb 6 times.
4. Move the start lever to the START position.

Primer Bulb



Start Lever



5. Pull starter rope handle sharply until engine starts and runs.

6. Allow unit to run for 10-15 seconds, then fully squeeze the throttle trigger to disengage the starting system.

### STARTING A WARM ENGINE

1. Move ON/STOP switch to the ON position.
2. Squeeze and hold the throttle trigger. Keep throttle trigger fully squeezed until engine runs smoothly.
3. Pull starter rope sharply while squeezing throttle trigger until engine runs.

**NOTE:** Normally, the warm starting procedure can be used within 5 - 10 minutes after the unit is turned STOP. If the unit sits for more than 10 minutes without being run, it will be necessary to start the unit by following the steps under STARTING A COLD ENGINE or following the starting instruction steps shown on the unit.

### STARTING A FLOODED ENGINE

Flooded engines can be started by placing the ON/STOP switch in the ON position. Move the start lever to the RUN position and fully squeeze throttle trigger. Pull the starter handle repeatedly while squeezing throttle trigger until engine starts and runs. This could require pulling the starter handle many times, depending on how badly the unit is flooded. If the unit still doesn't start, refer to TROUBLESHOOTING TABLE.

### OPERATING THE COUPLER

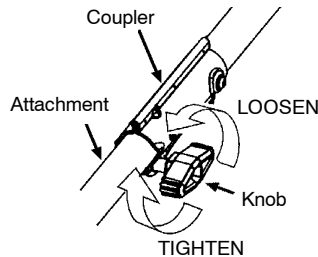
This model is equipped with a coupler which enables optional attachments to be installed.

**WARNING:** Always stop unit and disconnect spark plug before removing or installing attachments.

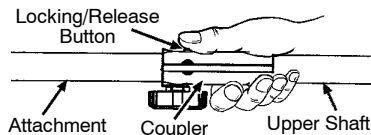
### REMOVING TRIMMER ATTACHMENT (OR OTHER OPTIONAL ATTACHMENTS)

**CAUTION:** When removing or installing attachments, place the unit on a flat surface for stability.

1. Loosen the coupler by turning the knob counterclockwise.



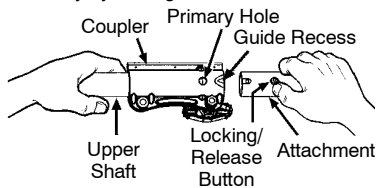
2. Press and hold the locking/release button.



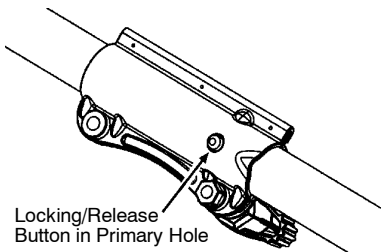
3. While securely holding the engine and upper shaft, pull the attachment straight out of the coupler.

### INSTALLING OPTIONAL ATTACHMENTS

1. Remove the shaft cap from the attachment (if present).
2. Position locking/release button of attachment into guide recess of coupler.
3. Push the attachment into the coupler until the locking/release button snaps into the primary hole.
4. Before using the unit, tighten the knob securely by turning clockwise.

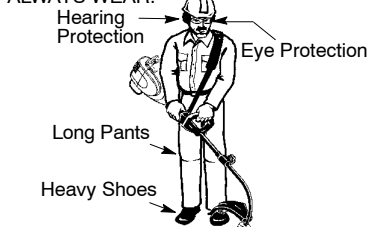


**WARNING:** Make sure the locking/release button is locked in the primary hole and the knob is securely tightened before operating the unit. All attachments are designed to be used in the primary hole unless otherwise stated in the applicable attachment instruction manual. Using the wrong hole could lead to serious injury or damage to the unit.



### OPERATING POSITION

ALWAYS WEAR:



Cut from your right to your left.

**WARNING:** Always wear eye protection and hearing protection. Never lean over the trimmer head. Rocks or debris can ricochet or be thrown into eyes and face and cause blindness or other serious injury. Do not run the engine at a higher speed than necessary. The cutting line will cut efficiently when the engine is run at less than full throttle. At lower speeds, there is less engine noise and vibration. The cutting line will last longer and will be less likely to "weld" onto the spool.

Always release the throttle trigger and allow the engine to return to idle speed when not cutting.

To stop engine:

- Release the throttle trigger.
- Move the ON/STOP switch to the STOP position.

### TRIMMER LINE ADVANCE

The trimmer line will advance approximately 2 in. (5 cm) each time the bottom of the trimmer head is tapped on the ground with the engine running at full throttle.

The most efficient line length is the maximum length allowed by the line limiter.

Always keep the shield in place when the tool is being operated.

To advance line:

- Operate the engine at full throttle.
- Hold the trimmer head parallel to and above the grassy area.
- Tap the bottom of the trimmer head lightly on the ground one time. Approximately 5 cm of line will be advanced with each tap.

Always tap the trimmer head on a grassy area. Tapping on surfaces such as concrete or asphalt can cause excessive wear to the trimmer head.

If the line is worn down to 5 cm or less, more than one tap will be required to obtain the most efficient line length.

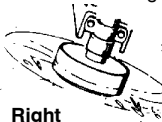
**WARNING:** Use only 2 mm diameter line. Other sizes and shapes of line will not advance properly and will result in improper cutting head function or can cause serious injury. Do not use other materials such as wire, string, rope, etc. Wire can break off during cutting and become a dangerous missile that can cause serious injury.

### CUTTING METHODS

**WARNING:** Use minimum speed and do not crowd the line when cutting around hard objects (rock, gravel, fence posts, etc.), which can damage the trimmer head, become entangled in the line, or be thrown causing a serious hazard.

- The tip of the line does the cutting. You will achieve the best performance and minimum line wear by not crowding the line into the cutting area. The right and wrong ways are shown below.

Tip of the Line  
Does The Cutting



Right

Line Crowded Into  
Work Area

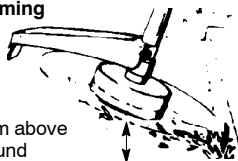


Wrong

- The line will easily remove grass and weeds from around walls, fences, trees and flower beds, but it also can cut the tender bark of trees or shrubs and scar fences.
- For trimming or scalping, use less than full throttle to increase line life and decrease head wear, especially:
  - During light duty cutting.
  - Near objects around which the line can wrap such as small posts, trees or fence wire.
- For mowing or sweeping, use full throttle for a good clean job.

**TRIMMING** - Hold the bottom of the trimmer head about 8 cm above the ground and at an angle. Allow only the tip of the line to make contact. Do not force trimmer line into work area.

**Trimming**



8 cm above  
ground

**SCALPING** - The scalping technique removes unwanted vegetation. Hold the bottom of the trimmer head about 8 cm above the ground and

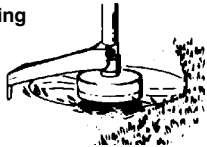
at an angle. Allow the tip of the line to strike the ground around trees, posts, monuments, etc. This technique increases line wear.

**Scalping**



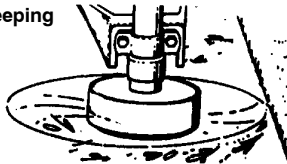
**MOWING** - Your trimmer is ideal for mowing in places conventional lawn mowers cannot reach. In the mowing position, keep the line parallel to the ground. Avoid pressing the head into the ground as this can scalp the ground and damage the tool.

**Mowing**



**SWEEPING** - The fanning action of the rotating line can be used for a quick and easy clean up. Keep the line parallel to and above the surfaces being swept and move the tool from side to side.

**Sweeping**



## MAINTENANCE

**⚠ WARNING:** Disconnect the spark plug before performing maintenance except for carburetor adjustments.

### CHECK FOR LOOSE FASTENERS AND PARTS

- Spark Plug Boot
- Air Filter
- Housing Screws
- Assist Handle Screw
- Debris Shield

### CHECK FOR DAMAGED OR WORN PARTS

Contact an authorized service dealer for replacement of damaged or worn parts.

- ON/STOP Switch - Ensure ON/STOP switch functions properly by moving the switch to the STOP position. Make sure engine stops; then restart engine and continue.
- Fuel Tank - Discontinue use of unit if fuel tank shows signs of damage or leaks.
- Debris Shield - Discontinue use of unit if debris shield is damaged.

### INSPECT AND CLEAN UNIT AND LABELS

- After each use, inspect complete unit for loose or damaged parts. Clean the unit and labels using a damp cloth with a mild detergent.
- Wipe off unit with a clean dry cloth.

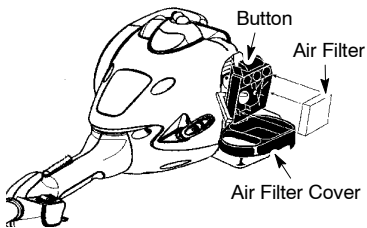
### CLEAN AIR FILTER

A dirty air filter decreases engine performance and increases fuel consumption and harmful emissions. Always clean after every 5 hours of operation.

1. Clean the cover and the area around it to keep dirt from falling into the carburetor chamber when the cover is removed.
2. Remove parts as illustrated.

**NOTE:** Do not clean filter in gasoline or other flammable solvent to avoid creating a fire hazard or producing harmful evaporative emissions.

3. Wash the filter in soap and water.
4. Allow filter to dry.
5. Replace parts.



### REPLACE SPARK PLUG

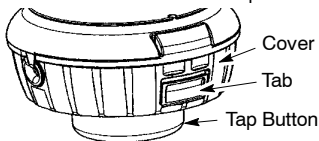
Replace the spark plug each year to ensure the engine starts easier and runs better. Set spark plug gap at 0,6 mm. Ignition timing is fixed and nonadjustable.

1. Twist, then pull off spark plug boot.
2. Remove spark plug from cylinder and discard.
3. Replace with Champion RCJ-6Y spark plug and tighten securely with a 19 mm socket wrench.
4. Reinstall the spark plug boot.

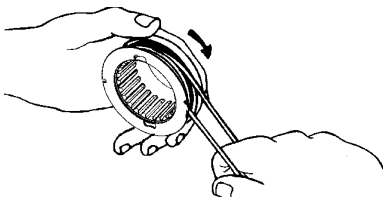
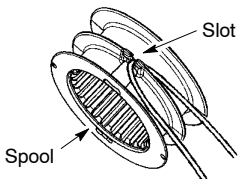
## SERVICE AND ADJUSTMENTS

### REPLACING THE LINE

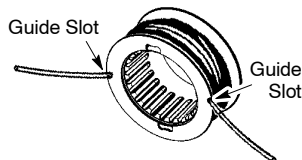
1. Press the tabs on the side of the trimmer head and remove cover and spool.



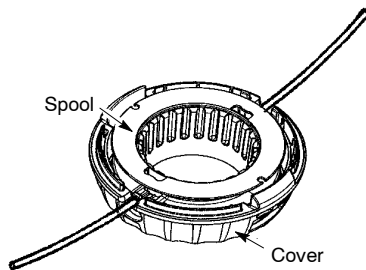
2. Remove any remaining line.
3. Clean dirt and debris from all parts. Replace spool if it is worn or damaged.
4. Replace with a pre-wound spool, or replace line using a 8 meters length of 2 mm diameter McCulloch brand line.
5. When installing new line on an existing spool, hold the spool as shown in the illustration below.
6. Bend the line at the midpoint and insert the bend into the slot in the center rim of the spool. Ensure line snaps into position in the slot.



7. With your finger between the lines, wrap the lines evenly and firmly around the spool in a clockwise direction.
8. Position the lines in the guide slots.



9. Insert the ends of the lines through exit holes in the sides of the cover.
10. Place the spool in the cover.



11. Make sure the lines are not caught between the rim of the spool and the wall of the cover.
12. Reinstall the spool and cover onto the trimmer head. Push until cover snaps into place.

### CARBURETOR ADJUSTMENT

**WARNING:** Keep others away when making idle speed adjustments. The trimmer head will be spinning during most of this procedure. Wear your protective equipment and observe all safety precautions. After making adjustments, the trimmer head must not move/spin at idle speed.

The carburetor has been carefully set at the factory. Adjustments may be necessary if you notice any of the following conditions:

- Engine will not idle when the throttle is released.
- The trimmer head moves/spins at idle speed.

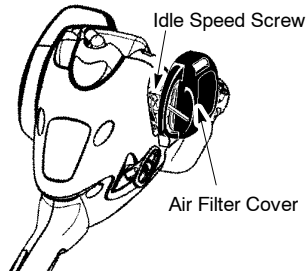
Make adjustments with the unit supported so the cutting attachment is off the ground and will not make contact with any object. Hold the unit by hand while running and making adjustments. Keep all parts of your body away from the cutting attachment and muffler.

### Idle Speed Adjustment

Allow engine to idle. Adjust speed until engine runs without trimmer head moving or spinning (idle speed too fast) or engine stalling (idle speed too slow).

- Turn idle speed screw clockwise to increase engine speed if engine stalls or dies.
- Turn idle speed screw counterclockwise to decrease engine speed if trimmer head moves or spins at idle speed.

**⚠ WARNING:** Recheck the idle speed after each adjustment. The trimmer head must not move or spin at idle speed to avoid serious injury to the operator or others.



If you require further assistance or are unsure about performing this procedure, contact an authorized service dealer.

## STORAGE

**⚠ WARNING:** Perform the following steps after each use:

- Allow engine to cool before storing or transporting.
- Store unit and fuel in a well ventilated area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.
- Empty fuel tank before storing or transporting the unit.
- Store unit and fuel well out of the reach of children.
- Store unit with all guards in place. Position unit so that any sharp object cannot accidentally cause injury.

### SEASONAL STORAGE

Prepare unit for storage at end of season or if it will not be used for 30 days or more.

If your unit is to be stored for a period of time:

- Clean the entire unit before lengthy storage.
- Store in a clean dry area.
- Lightly oil external metal surfaces.

### ENGINE

- Remove spark plug and pour 1 teaspoon of 40:1, 2-cycle engine oil (air cooled) through the spark plug opening. Slowly pull the starter rope 8 to 10 times to distribute oil.
- Replace spark plug with new one of recommended type and heat range.
- Clean air filter.
- Check entire unit for loose screws, nuts, and bolts. Replace any damaged, broken, or worn parts.
- At the beginning of the next season, use only fresh fuel having the proper gasoline to oil ratio.

### OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if it starts to rust.

## TROUBLESHOOTING TABLE

**⚠ WARNING:** Always stop unit and disconnect spark plug before performing all of the recommended remedies below except remedies that require operation of the unit.

<b>TROUBLE</b>	<b>CAUSE</b>	<b>REMEDY</b>
Engine will not start.	<ol style="list-style-type: none"> <li>1. ON/OFF switch in OFF position.</li> <li>2. Engine flooded.</li> <li>3. Fuel tank empty.</li> <li>4. Spark plug not firing.</li> <li>5. Fuel not reaching carburetor.</li> <li>6. Carburetor requires adjustment.</li> </ol>	<ol style="list-style-type: none"> <li>1. Move ON/OFF switch to ON position.</li> <li>2. See "Starting a Flooded Engine" in Operation Section.</li> <li>3. Fill tank with correct fuel mixture.</li> <li>4. Install new spark plug.</li> <li>5. Check for dirty fuel filter; replace. Check for kinked or split fuel line; repair or replace.</li> <li>6. Contact an authorized service dealer.</li> </ol>
Engine will not idle properly.	<ol style="list-style-type: none"> <li>1. Carburetor requires adjustment.</li> <li>2. Crankshaft seals worn.</li> <li>3. Compression low.</li> </ol>	<ol style="list-style-type: none"> <li>1. See "Carburetor Adjustment" in Service and Adjustments Section.</li> <li>2. Contact an authorized service dealer.</li> <li>3. Contact an authorized service dealer.</li> </ol>
Engine will not accelerate, lacks power, or dies under a load.	<ol style="list-style-type: none"> <li>1. Air filter dirty.</li> <li>2. Spark plug fouled.</li> <li>3. Carburetor requires adjustment.</li> <li>4. Carbon build-up on muffler outlet screen.</li> <li>5. Compression low.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean or replace air filter.</li> <li>2. Clean or replace plug and regap.</li> <li>3. Contact an authorized service dealer.</li> <li>4. Contact an authorized service dealer.</li> <li>5. Contact an authorized service dealer.</li> </ol>
Engine smokes excessively.	<ol style="list-style-type: none"> <li>1. Fuel mixture incorrect.</li> <li>2. Air filter dirty.</li> <li>3. Carburetor requires adjustment.</li> </ol>	<ol style="list-style-type: none"> <li>1. Empty fuel tank and refill with correct fuel mixture.</li> <li>2. Clean or replace air filter.</li> <li>3. Contact an authorized service dealer.</li> </ol>
Engine runs hot.	<ol style="list-style-type: none"> <li>1. Fuel mixture incorrect.</li> <li>2. Spark plug incorrect.</li> <li>3. Carburetor requires adjustment.</li> <li>4. Carbon build-up on muffler outlet screen.</li> </ol>	<ol style="list-style-type: none"> <li>1. Empty fuel tank and refill with correct fuel mixture.</li> <li>2. Replace with correct spark plug.</li> <li>3. Contact an authorized service dealer.</li> <li>4. Contact an authorized service dealer.</li> </ol>

## DECLARATION OF CONFORMITY

### EC Declaration of Conformity (Only applies to Europe)

We, **Husqvarna AB**, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, as authorised representative in the Community, declare that the grass trimmer model **McCulloch 250CXL** with serial numbers dating from 2009 and onwards (the year is clearly stated on the rating plate, followed by the serial number), comply with the requirements of the **COUNCIL'S DIRECTIVES**:

of 17 May 2006 "relating to machinery" **2006/42/EC**;

of 15 December 2004 "relating to electromagnetic compatibility" **2004/108/EC**, and applicable supplements; and

of 8 May 2000 "relating to the noise emissions in the environment" in accordance with Annex V of **2000/14/EC**. For information relating to noise emissions, see Technical data section.

The following standards have been applied: **EN ISO 12100-1/A1:2009**, **EN ISO 12100-2/A1:2009**, **CISPR 12:2007**, **EN 11806:2008**.

**SMP, The Swedish Machinery Testing Institute**, Fyrisborgsgatan 3 S-754 50 Uppsala, Sweden, has performed voluntary type examination on behalf of Husqvarna AB. The certificate(s) are numbered: **SEC/09/2019**.

09-11-01



Ronnie E. Goldman, Director of Engineering  
Authorized representative for Husqvarna AB and  
responsible for technical documentation

## TECHNICAL DATA SHEET

### MODEL: 250CXL

#### ENGINE

Cylinder displacement, cm <sup>3</sup>	25
At maximum engine power, rpm	8000
Maximum rotational frequency of the spindle, rpm	10000
Engine speed at recommended maximum spindle rotational frequency, rpm	7400
Recommended speed idling, rpm	3000
Maximum engine power, measured in accordance with ISO 8893, kW	0,7
Catalytic converter muffler	Yes

#### IGNITION SYSTEM

Spark plug	Champion RCJ-6Y
Electrode gap, mm	0,6

#### FUEL AND LUBRICATION SYSTEM

Fuel tank volume capacity, cm <sup>3</sup>	340
Fuel consumption at maximum engine power, measured in accordance with ISO 8893, g/h	407
Specified fuel consumption at max. engine power, measured in accordance with ISO 8893, g/kWh	768

#### WEIGHT

Weight without fuel, cutting attachment and guard, kg	5,5
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#### NOISE EMISSIONS

##### (see Note 1)

Sound power level, measured dB(A)	106,8
Sound power level, guaranteed L <sub>WA</sub> dB(A)	114

#### SOUND LEVELS

##### (see Note 2)

Equivalent sound pressure level at the operator's ear, measured according to EN ISO 11806 and ISO 22868, dB(A)	
Equipped with trimmer head (original)	98,3

#### VIBRATION LEVELS

##### (see Note 3)

Equivalent vibration levels (a <sub>h,eq</sub> ) at handles, measured according to EN ISO 11806 and ISO 22867, m/s <sup>2</sup>	
Equipped with trimmer head (original), left/right	5,8/7,5

**Note 1:** Noise emissions in the environment measured as sound power (L<sub>WA</sub>) in conformity with EC directive 2000/14/EC. Reported sound power level for the machine has been measured with the original cutting attachment that gives the highest level. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

**Note 2:** Reported data for equivalent sound pressure level for the machine has a typical statistical dispersion (standard deviation) of 1 dB(A).

**Note 3:** Reported data for equivalent vibration level has a typical statistical dispersion (standard deviation) of 1 m/s<sup>2</sup>.

Model 250CXL (5/16 RH arbor shaft thread)		
Approved accessories	Type	Cutting attachment / guard, part. no.
Trimmer head	TNG7 (∅ 2 mm line)	537419205 / 545006021