



BLACK PLUS DECKER DECKER LST522 Cordless String Trimmer Instruction Manual

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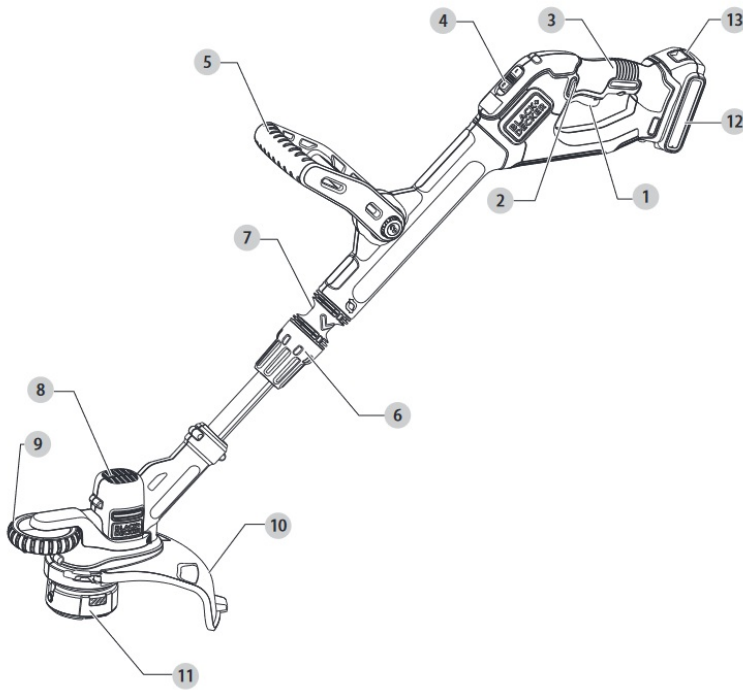


INSTRUCTION MANUAL

LST522
Trimmer/Edger 20V Max*

Please read before returning this product for any reason.

Fig. A



- 1 Trigger switch
- 2 Lock-off button
- 3 Handle
- 4 Speed-control switch
- 5 Auxiliary handle
- 6 Height-adjust collar
- 7 Flip-to-edge collar
- 8 Motor housing
- 9 Edge wheel
- 10 Guard
- 11 Spool housing
- 12 Battery pack
- 13 Battery pack release button

⚠️ **WARNING:** Read all safety warnings, instructions, illustrations, and specifications in this manual, including the battery and charger sections provided in an original tool manual or the separate **Batteries and Chargers manual**. Manuals can be obtained by contacting Customer Service as described elsewhere in this manual. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.

⚠️ DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

⚠️ WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.

⚠️ CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

⚠️ (Used without word) Indicates a safety related message.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, may result in **property damage**.

Fig. B

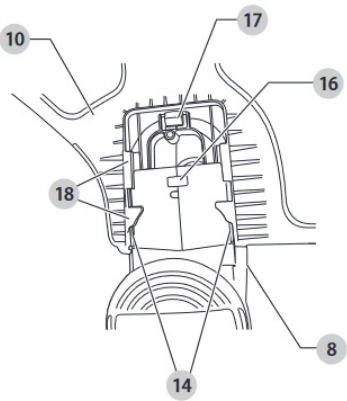


Fig. C



Fig. D

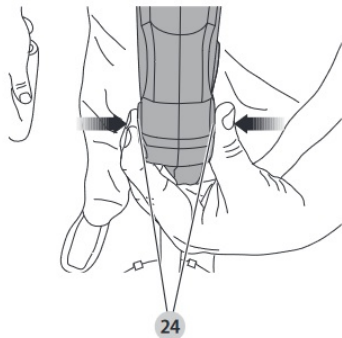


Fig. E

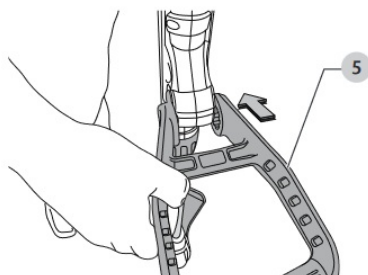


Fig. F

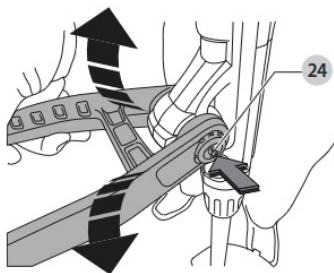


Fig. G

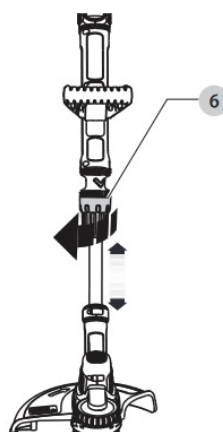


Fig. H

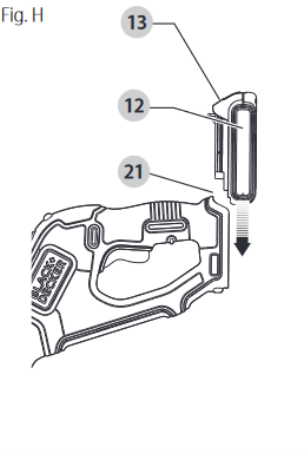


Fig. I

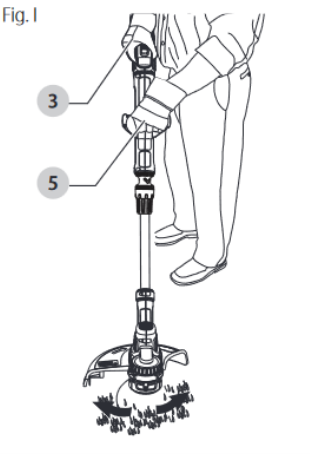


Fig. J



Fig. K



Fig. L



Fig. M

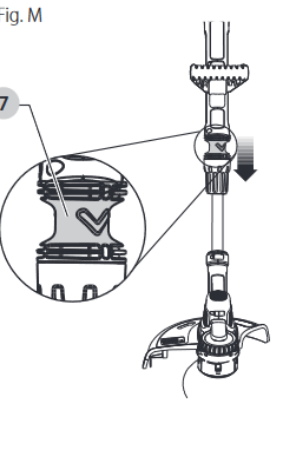


Fig. N

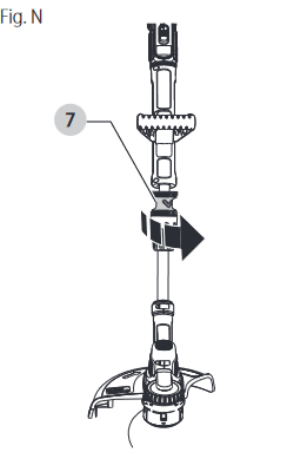


Fig. O

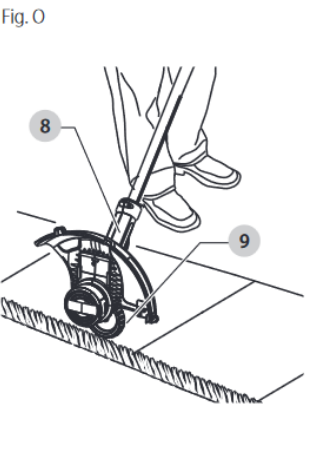


Fig. P



Fig. Q

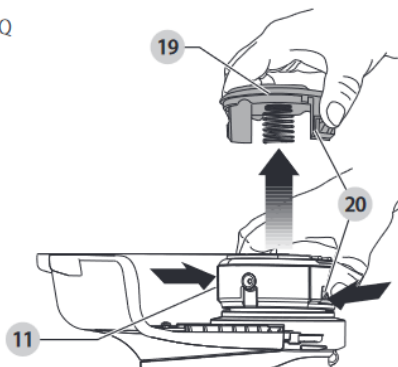


Fig. R

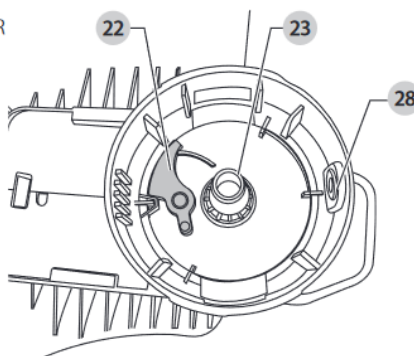


Fig. S

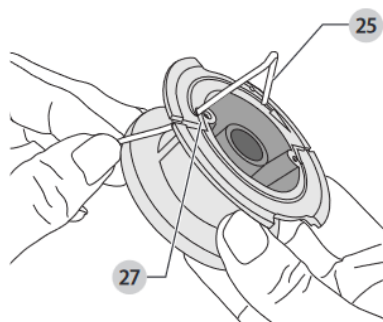


Fig. T

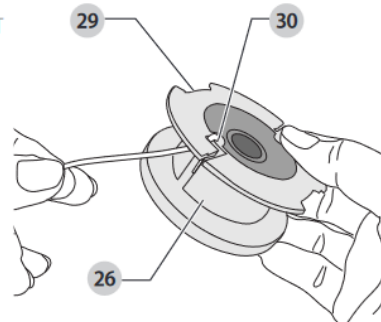


Fig. U

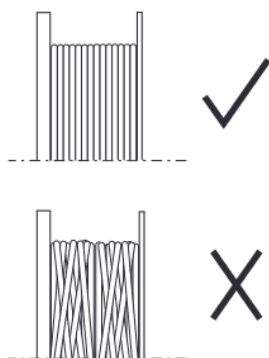


Fig. V

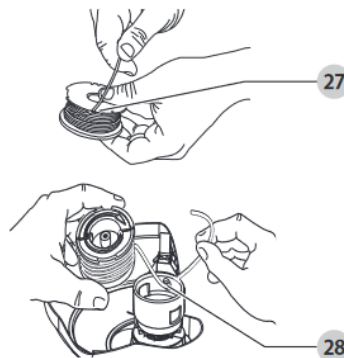
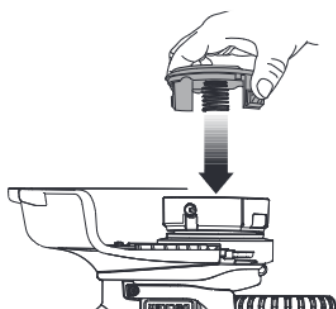


Fig. W



Intended Use

This string trimmer is designed for household trimming and edging applications.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

GENERAL POWER TOOL SAFETY WARNINGS

WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work Area Safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical Safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

3) Personal Safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4) Power Tool Use and Care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/ or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation.** If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different

from those intended could result in a hazardous situation.

h) **Keep handles and grasping surfaces dry, clean and free from oil and grease** . Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Battery Tool Use and Care

a) **Recharge only with the charger specified by the manufacturer** . A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) **Use power tools only with specifically designated battery packs** . Use of any other battery packs may create a risk of injury and fire.

c) **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.**

Shorting the battery terminals together may cause burns or a fire.

d) **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water.** If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

e) **Do not use a battery pack or tool that is damaged or modified** . Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

f) **Do not expose a battery pack or tool to fire or excessive temperature** . Exposure to fire or temperature above 265 °F (130 °C) may cause explosion.


g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.


6) Service


a) **Have your power tool serviced by a qualified repair person using only identical replacement parts** . This will ensure that the safety of the power tool is maintained.

b) **Never service damaged battery packs** . Service of battery packs should only be performed by the manufacturer or authorized service providers.

Important Safety Warnings

 **WARNING:** When using electric gardening appliances, basic safety precautions should always be followed to reduce risk of fire, electric shock, and personal injury, including the following.

 **WARNING:** Do not remove guard. The guard must be attached during use. Operating this trimmer without the guard will violate the product warranty.

 **CAUTION:** When replacing the line, use only 0.065" (1.65 mm) diameter round line. Other diameters or shapes may degrade performance or cause damage to the trimmer.

READ ALL INSTRUCTIONS

- **ALWAYS WEAR EYE PROTECTION** – Wear safety spectacles or goggles at all times when the battery is installed. These items are available for purchase.

- **GUARD** – Do not use this appliance without the guard attached.

- **DRESS PROPERLY** – Do not wear loose clothing or jewelry. They can be caught in moving parts. Gloves and substantial rubber soled footwear are recommended when working outdoors. Don't operate the appliance when barefoot or wearing open sandals. Wear heavy long pants to protect your legs. Wear protective hair covering to contain long hair.

- **NYLON LINE** – Keep face, hands and feet clear of rotating nylon line at all times.

- **THE ROTATING LINE PERFORMS A CUTTING FUNCTION** – Use care when trimming around screens and desirable plantings.

- **DO NOT USE** materials not recommended, such as metal wire, rope, and the like.

- **KEEP ALL BYSTANDERS AWAY** – at a safe distance from work area, especially children.

- **KEEP CHILDREN, BYSTANDERS AND ANIMALS AWAY** from the work area a minimum of 30 feet (10 meters) when starting or operating the unit.

- **TO REDUCE THE RISK** of rebound (ricochet) injury, work going away from any nearby solid object such as wall, steps, large stone, tree, etc. Use great care when working close to solid objects and where necessary, do trimming by hand.

- **AVOID ACCIDENTALLY STARTING** – Don't carry trimmer when the battery is installed with finger on trigger.


- **USE THE RIGHT** appliance – Do not use this appliance for any job except that for which it is intended.

- **DON'T OVERREACH** – Keep proper footing and balance at all times.

- **DON'T FORCE APPLIANCE** – It will do the job better and with less likelihood of a risk of injury at the rate for

which it was designed.

- **DAMAGE TO UNIT** – If you strike or become entangled with a foreign object, stop appliance immediately, remove the battery, check for damage and have any damage repaired before further operation is attempted. Do not operate with a broken hub or spool.
- **DISCONNECT TRIMMER** – Remove the battery when not in use, when replacing line, or prior to cleaning.
- **AVOID DANGEROUS ENVIRONMENTAL CONDITIONS** – Do not use electric appliances in damp or wet locations. Follow all instructions in this instruction manual for proper operation of your appliance. Don't use the appliance in the rain.
- **DO NOT OPERATE** portable electric appliances in gaseous or explosive atmospheres. Motors in these appliances normally spark, and the sparks might ignite fumes.
- **STORE IDLE APPLIANCES INDOORS** – Remove the battery. When not in use, appliances should be stored indoors in a dry, locked-up place out of reach of children.
- **STAY ALERT** – Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- **MAINTAIN APPLIANCES WITH CARE** – Follow instructions in **Maintenance** section. Keep handles dry, clean and free from oil and grease.
- **CHECK DAMAGED PARTS** – Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this manual.
- **DO NOT** immerse appliance in water or squirt it with a hose. DO NOT allow any liquid to get inside it.
- **DO NOT** store the appliance on or adjacent to fertilizers or chemicals.
- **DO NOT** clean with a pressure washer.
- Keep guards in place and in working order.
- Keep hands and feet away from cutting area.
- **INSPECT THE AREA** before using 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.

 **WARNING:** Do not use appliance if the trigger switch does not turn the appliance on or off. Any appliance that cannot be controlled with the trigger switch is dangerous and must be repaired.


Additional Safety Warnings


WARNING: To reduce the risk of rebound (ricochet) injury, work going away from any nearby solid object such as wall, steps, large stone, tree, etc.

- **GUARD** – Do not use this appliance without guard attached.
- **DRESS PROPERLY** – Do not wear loose clothing or jewelry. They can be caught in moving parts. Gloves and substantial rubber soled footwear are recommended when working outdoors. Don't operate the appliance when barefoot or wearing open sandals. Wear heavy long pants to protect your legs. Wear protective hair covering to contain long hair.
- **KEEP FACE, HANDS AND FEET CLEAR OF ROTATING NYLON LINE AT ALL TIMES** . The rotating line performs a cutting function. Use care when trimming around screens and desirable plantings.
- **KEEP ALL BYSTANDERS AWAY** – at a safe distance from work area, especially children. MAKE SURE that other persons and pets are at least 100 feet (30 m) away.
- **WHEN BEING USED AS AN EDGER** – stones, pieces of metal and other objects can be thrown out at high speed by the line. The appliance and guard are designed to reduce the danger. To reduce the risk of rebound (ricochet) injury, work going away from any nearby solid object such as wall, steps, large stone, tree, etc.
- **USE GREAT CARE** when working close to solid objects and where necessary, do trimming by hand.
- **DAMAGE TO UNIT** – If you strike or become entangled with a foreign object, stop appliance immediately, remove battery, check for damage and have any damage repaired before further operation is attempted. Do not operate with a broken hub or spool.
- **STAY ALERT** – Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- **DO NOT** immerse appliance in water or squirt it with a hose.
- **DO NOT** allow any liquid to get inside it. If appliance does get wet, allow to dry for a minimum of 48 hours.
- **DO NOT** clean with a pressure washer.
- **DO NOT** store the appliance on or adjacent to fertilizers or chemicals.
- **DO NOT** charge appliance in rain, or in wet locations.
- **STORE IDLE APPLIANCES INDOORS** – When not in use, appliances should be stored indoors in a dry,

locked-up place out of reach of children.


Additional Safety Information

 **WARNING:** Never modify the power tool or any part of it. Damage or personal injury could result.

 **WARNING:** **ALWAYS** use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if operation is dusty. **ALWAYS WEAR CERTIFIED**

SAFETY EQUIPMENT:


- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.


 **WARNING:** Some dust contains chemicals known to State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:


- compounds in fertilizers,
- compounds in insecticides, herbicides and pesticides,
- arsenic and chromium from chemically treated lumber.

To reduce your exposure to these chemicals, wear approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

• **Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water.** Allowing dust to get into your mouth, eyes, or lie on the skin may promote absorption of harmful chemicals.


 **WARNING:** Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/ OSHA approved respiratory protection











 **WARNING:** **Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use.** Under some conditions and duration of use, noise from this product may contribute to hearing loss.

 **CAUTION:** **When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard.** Some tools with a large battery pack will stand upright but may be easily knocked over.

• **Air vents often cover moving parts and should be avoided .** Loose clothes, jewelry or long hair can be caught in moving parts.

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

V	volts	RPM	revolutions per
Hz	hertz		minute
min	minutes	sfpmin	surface feet per
== or DC	direct current		minute
	Class I Construction (grounded)	SPM	strokes per minute
.../min	per minute	A	amperes
BPM	beats per minute	W	watts
IPM	impacts per minute	Wh	watt hours
OPM	oscillations per minute	Ah	amp hours
		~ or AC	alternating current

 or AC/DC.... alternating or direct current	 visible radiation—do not stare into the light
 Class II Construction (double insulated)	 wear respiratory protection
n_0 no load speed	 wear eye protection
n rated speed	 wear hearing protection
PSI..... pounds per square inch	 read all documentation
 earthing terminal	 do not expose to rain
 safety alert symbol	

ASSEMBLY AND ADJUSTMENTS

⚠ WARNING: To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories, when replacing line, or prior to cleaning. An accidental start-up can cause injury.

Installing the Guard (Fig. A–C)

⚠ WARNING: Never remove the guard. Damage or personal injury could result.

⚠ WARNING: NEVER OPERATE APPLIANCE WITHOUT GUARD FIRMLY IN PLACE. The guard must always be properly attached on the appliance to protect the user.

1. Remove the guard screw **15**.
2. Slide the guard **10** fully onto the motor housing **8**.
Make sure the tabs **18** on the guard engage the ribs **14** on the trimmer head.
3. Continue to slide the guard on until it “snaps” into place. The locking tab **17** should snap into the housing slot **16**.
4. Using a crosshead screwdriver, insert the guard screw **15** and tighten securely.
5. Once the guard is installed, remove the covering from the line cut-off blade, located on the edge of the guard.

Replacing Guard (Fig. A–C)

⚠ WARNING: Never operate appliance without guard firmly in place. Damage or personal injury could result.

Remove Current Guard

1. Remove the guard screw **15** as shown in Fig. C.
2. Slide the guard **10** off.

Assembling the New Guard

1. Slide the guard into place as shown in Fig. B.
2. Replace and securely tighten the guard screw **15**.

Attaching the Auxiliary Handle (Fig. D–F)


For some models the auxiliary handle **5** may need to be attached. If the model needs the auxiliary handle attached, please refer to these instructions.

1. To attach the auxiliary handle, press in on the auxiliary handle adjustment buttons **24** on both sides of the upper housing.
2. Position the auxiliary handle as shown in Fig. D–F. Partially push the auxiliary handle on so it will hold the buttons in when you release them with your hand.
3. Push the auxiliary handle completely onto the housing and position it slightly until it “snaps” into place.

NOTE: To adjust the auxiliary handle up or down, press in on the buttons and raise or lower the handle.

NOTE: The handle should be adjusted so that your front arm is straight when the tool is in the working position.

Height Adjustment (Fig. A, G)

 **CAUTION:** Adjust the length of the trimmer to obtain proper working positions.


1. The overall height of the trimmer can be adjusted by loosening the height-adjust collar **6** by rotating it in the direction of the arrow shown in Figure A, G.
2. Move the upper housing straight up or down. When the desired height is achieved, tighten the collar by rotating it opposite of the direction shown in Figure A, G.

Releasing the Cutting Line (Fig. A)


In transit, the cutting line is taped to the spool housing **11**.

- Remove the tape holding the cutting line to the spool housing.

OPERATION

 **WARNING:** To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories, when replacing line, or prior to cleaning. An accidental start-up can cause injury.


Installing and Removing the Battery Pack (Fig. H)

 **WARNING:** Ensure the tool/appliance is in the off position before inserting the battery pack.

NOTE: For best results, make sure your battery pack is fully charged.

1. To install the battery pack **12** into the tool handle, align the battery pack with the rails inside the tool's handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.
2. To remove the battery pack from the tool, press the battery release button **13** and firmly pull the battery pack out of the tool handle. Insert it into the charger.

Switching Trimmer On and Off (Fig. A)

 **WARNING:** Never attempt to lock the trigger in the on position.

1. To turn the appliance on, press the lock-off button **2** and then squeeze the trigger switch **1**. Once the unit is running, you may release the lock-off button.
2. To turn the appliance off, release the trigger.

Speed Control Switch (Fig. A, H, P)


This string trimmer gives you the choice to operate at a more efficient speed to extend the runtime for larger jobs, or accelerate the trimmer speed for high-performance cutting.


To accelerate the trimmer, push the speed control switch **4** forward toward the auxiliary handle **5** into the "HI" position. This mode is best to cut through heavier growth and for applications that need higher RPM.

To extend runtime, pull the speed control switch back toward the battery housing **21** into the "LO" position. This mode is best for larger projects that require more time to complete.

NOTE: When in "HI" mode, runtime will be decreased as compared to when trimmer is in "LO" mode.

Proper Hand Position (Fig. I)

 **WARNING:** To reduce the risk of serious personal injury, **ALWAYS** use proper hand position as shown.

 **WARNING:** To reduce the risk of serious personal injury, **ALWAYS** hold securely in anticipation of a sudden reaction.

Proper hand position requires one hand on the main handle **3** and one hand on the auxiliary handle **5**.

Trimming (Fig. I–L)

1. With the trimmer on, angle it and swing side to side as shown in Fig. I.
2. Maintain a cutting angle of 5 ° to 10 °. Do not exceed 10 °.
3. Cut with the tip of the line.
4. Maintain a minimum distance of 24" (610 mm) between the guard and your feet as shown in Fig. L.

Convert to Edging Mode (Fig. M–O)

 **CAUTION:** The wheeled edge guide should only be used when in the edging mode.


The trimmer can be used in trimming mode or edging mode to trim overhanging grass along lawn edges and flower beds.

For edging, the trimmer head should be in the position shown in Fig. O. If it is not:

1. Remove the battery from the trimmer.
2. Grasp the flip-to-edge collar **7** and push down as shown in Fig. M.
3. Rotate the flip-to-edge collar **7** 180° counterclockwise as shown in Fig. N, until the handle snaps back into the upper half of the trimmer.
4. To return to trimming position, pull the flip-to-edge collar **7** down and rotate the head clockwise back to its original position.

NOTE: You will experience faster than normal cutting line wear if the trimmer line is positioned directly over the sidewalk or abrasive surface.

Edging Mode Operation (Fig. O, Q)

 **WARNING:** When being used as an edger, stones, pieces of metal and other objects can be thrown out at high speed by the line. The trimmer and guard are designed to reduce the danger. However, **MAKE SURE** that other persons and pets are at least 100 feet (30 m) away. Optimum cutting results are achieved on edges deeper than 2 inches (50 mm).

- Do not use this trimmer to create trenches.
- Using the edging wheel **9**, guide the trimmer as shown in Fig. O.
- Position the edging wheel **9** on the edge of the sidewalk or abrasive surface so the cutting line is over the grass or dirt area to be edged.
- To make a closer cut, slightly tilt the trimmer.


Helpful Cutting Tips (Fig. O, Q)


- Use the tip of the string to do the cutting; do not force string head into uncut grass. Use edge guide along such things as fences, houses and flower beds for best practices.
- Wire and picket fences cause extra string wear, even breakage. Stone and brick walls, curbs, and wood may wear string rapidly.
- Do not allow spool cap **19** to drag on ground or other surfaces.
- In long growth, cut from the top down and do not exceed 13" (330 mm) high.
- Keep trimmer tilted toward the area being cut; this is the best cutting area.
- The trimmer cuts when passing the unit from the left to right. This will avoid throwing debris at the operator.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the string.

Cutting Line/Line Feeding

Your trimmer uses 0.065" (1.65 mm) diameter, round nylon line. During use, the tips of the nylon lines will become frayed and worn. Cutting line will wear faster and require more feeding if the cutting or edging is done along sidewalks or other abrasive surfaces or heavier weeds are being cut.

Clearing Jams and Tangled Line (Fig. Q, W)

 **WARNING:** Remove the battery from the trimmer before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the appliance accidentally. From time to time, especially when cutting thick or stalky weeds, the line feeding hub may become clogged with sap or other material and the line will become jammed as a result. To clear the jam, follow the steps listed below.

 **CAUTION:** To avoid appliance damage, if the cutting line protrudes beyond the trimming blade, cut it off so that it just reaches the blade.

1. Remove battery from appliance.
2. Press the release tabs **20** on the spool cap **19**, and remove the spool cap from the spool housing **11**.
3. Pull the nylon line spool out and clear any broken line or cutting debris from the spool area.
4. Fit the spool onto the appliance as described in **Replacing Spool Assembly**.

Replacing Spool Assembly (Fig. Q–T, W)

WARNING: The use of any accessory not recommended by BLACK+DECKER for use with this appliance could be hazardous.

WARNING: Do not use any blades, or any accessory or attachment other than those recommended by BLACK+DECKER on this trimmer/edger. Serious injury or product damage may result.

Reload nylon line (either bulk or prewound replacement spool) as shown in this manual.

USE ONLY 0.065" (1.65 mm) DIAMETER ROUND NYLON MONOFILAMENT LINE. Do not use serrated or heavier gauge line, as they will overload the motor and cause overheating. This line is available at your local dealer or authorized service center.

1. Remove battery pack from appliance.
2. Press the release tabs **20** on the spool cap **19**, and remove the spool cap from the spool housing **11**.
3. For best results, replace spool with BLACK+DECKER Model AF-100.
4. If lever **22** in base of housing becomes dislodged, replace in correct position before inserting new spool into housing.
5. Remove any dirt and grass from the spool cap and spool housing.
6. Unfasten the end of the cutting line **25** and guide the line into the eyelet **28**.
7. Take the new spool **26** and push it onto the boss **23** in the housing. Rotate the spool slightly until it is seated.
8. The line should protrude approximately 5-3/8" (136 mm) from the housing.
9. Align the release tabs on the spool cap with the line anchoring slots **27** in the spool housing.
10. Snap the spool cap **19** back on by depressing release tabs **20** and pressing it into the spool housing **11** until it snaps securely into place.

NOTE: Make sure that cover is fully positioned. Listen for two audible clicks to ensure both release tabs are correctly located. Power the appliance on. In a few seconds or less you'll hear the nylon line being cut automatically to the proper length.

NOTE: Other replacement parts (guards, spool caps, etc.) are available through authorized service centers. To find your local service location call: 1-[800-544-6986](tel:800-544-6986) or visit www.blackanddecker.com.

Rewinding Spool from Bulk Line (Fig. S–V)


Use Only 0.065" (1.65 mm) Diameter, Round Line

Bulk line is also available for purchase from your local retailer.

NOTE: Hand wound spools from bulk line are likely to become tangled more frequently than BLACK+DECKER factory wound spools. For best results, factory wound spools are recommended.


1. Remove battery pack from appliance.
2. Remove the empty spool from the appliance as described in **Replacing Spool Assembly**.
3. Remove any remaining cutting line from the spool.
4. Make a fold at the end of the cutting line **25** at about 3/4" (19 mm). Feed the cutting line into one of the line anchoring slots **27**.
5. Insert the 3/4" (19 mm) end of the bulk line into the spool hole **30** in the spool adjacent to the slot. Make sure the line is pulled tight against the spool.
6. Wind the cutting line onto the spool in the direction of the arrow on the spool. Make sure to wind the line on neatly and in layers. Do not crisscross.
7. When the wound cutting line reaches the recesses **29**, cut the line.
8. Fit the spool onto the appliance as described in **Replacing Spool Assembly**.


MAINTENANCE

 **WARNING:** To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories, when replacing line, or prior to cleaning. An accidental start-up can cause injury.


Your BLACK+DECKER power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

Cleaning

 **WARNING:** Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this procedure.

 **WARNING:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Accessories

 **WARNING:** Since accessories, other than those offered by BLACK+DECKER, have not been tested with this product, use of such accessories with this product could be hazardous. To reduce the risk of injury, only

BLACK+DECKER recommended accessories should be used with this product. Recommended accessories for use with your product are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact BLACK+DECKER. Call [1-800-544-6986](tel:1-800-544-6986).

Repairs

The charger and batteries are not serviceable. There are no serviceable parts inside the charger or battery pack.

⚠ WARNING: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) should be performed by a BLACK+DECKER factory service center or a BLACK+DECKER-authorized service center. Always use identical replacement parts.

Register Online

Thank you for your purchase. Register your product now for:

- **WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- **CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- **FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.

Register online at www.blackanddecker.com/account/login.

Two-Year Limited Warranty

For warranty terms, go to www.blackanddecker.com/warranty.

To request a written copy of the warranty terms, contact: Customer Service at Black & Decker, 701 East Joppa Road, Towson, MD 21286 or call 1-800-544-6986.

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, check country-specific warranty information contained in the packaging, call the local company or see the website for such information.

BLACK+DECKER
Compatible battery packs and chargers

20V Max* Li-Ion	Battery Packs
	LBXR20, LBXR20BT, LBXR2020, LBXR2025, LBXR2520, LB2X3020, LB2X4020
20V Max* Li-Ion	Chargers
	LCS20, L2AFC, L2AFCBST, LCS201, LCS1620, LCS200, BDCA202

* Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

⚠ WARNING: Use of any other battery packs may create a risk of injury and fire.

NOTE: DO NOT charge when the battery pack is below 40° F (4.5° C) or above 104° F (40° C). Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104° F (40° C).



PART NUMBER


Black & Decker (U.S.) Inc., 701 East Joppa Road, Towson, MD 21286
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1.1 References

Documents / Resources

 <p>LST522 Trimmer/Edger 20V Max* Tondeuse/Bardoreuse/Coupeur Bordure 20 V max* De Podador/Bardadores 20 V Max*</p>	<p>BLACK PLUS DECKER DECKER LST522 Cordless String Trimmer [pdf] Instruction Manual DECKER LST522 Cordless String Trimmer, DECKER, LST522 Cordless String Trimmer, Cordless String Trimmer, String Trimmer, Trimmer</p>
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References

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- [Home | BLACK+DECKER](#)
- [What is the warranty for my BLACK+DECKER tool? | BLACK+DECKER](#)
- [User Manual](#)

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