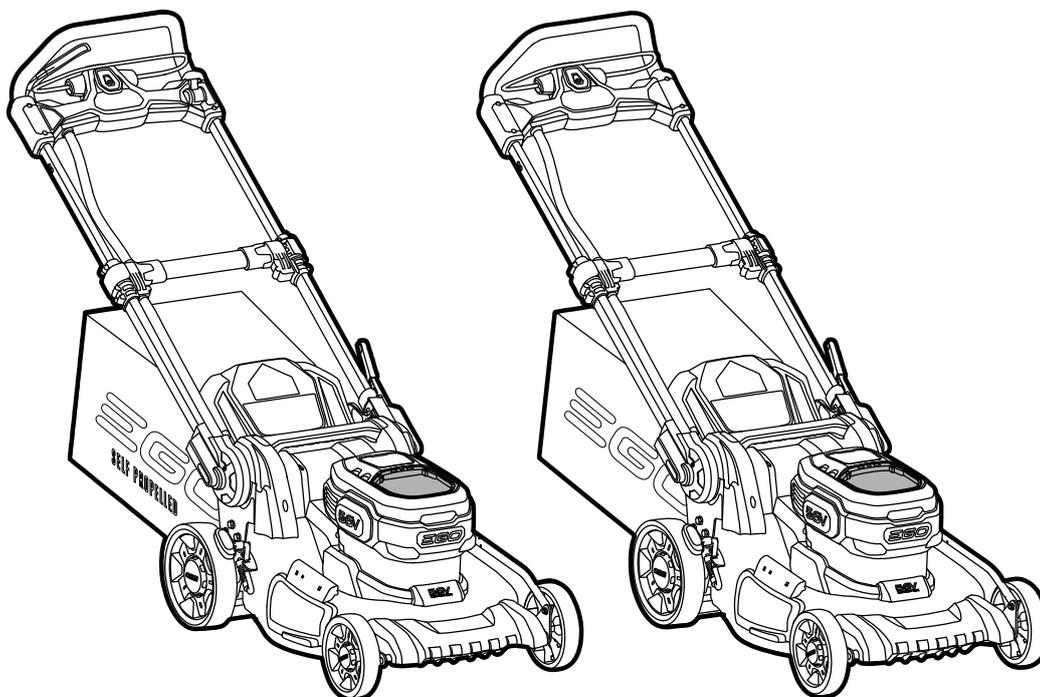


EGO™

POWER⁺ MOWER

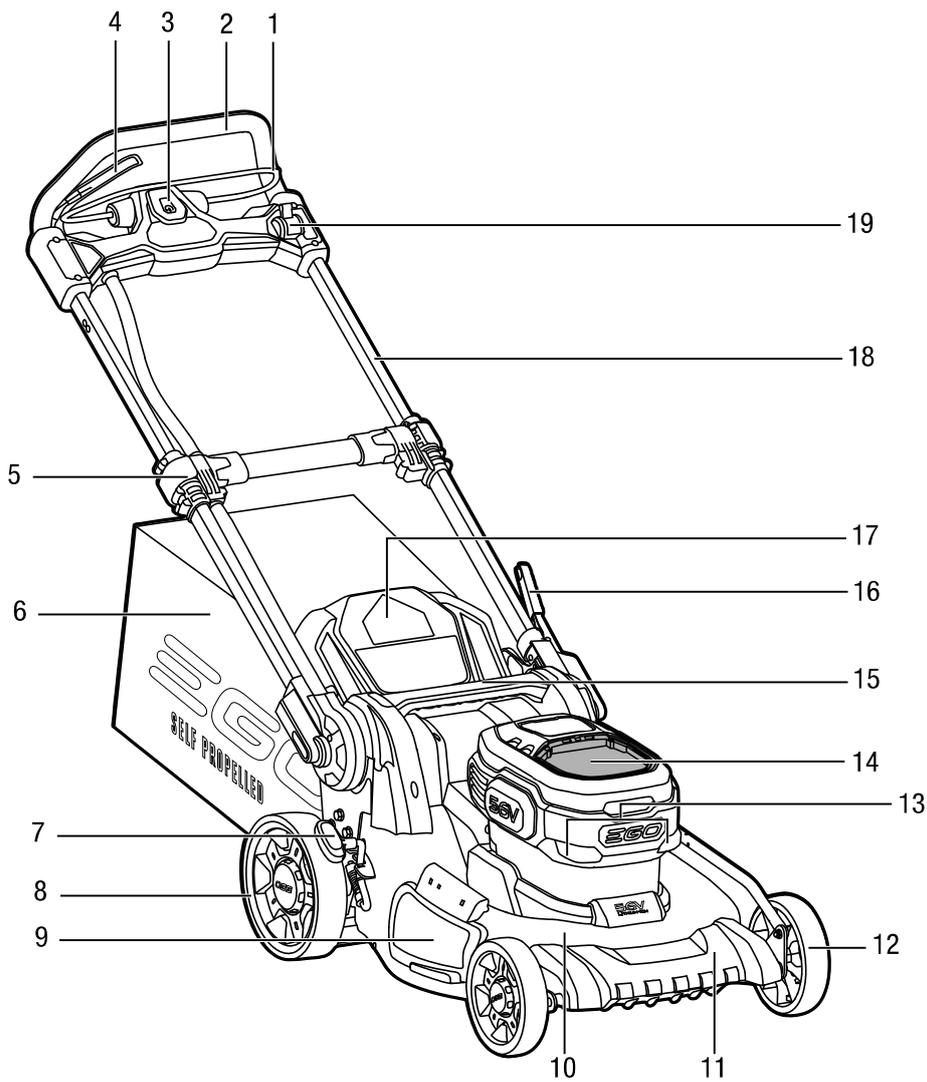


OPERATOR'S MANUAL

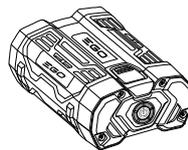
56 VOLT LITHIUM-ION CORDLESS MOWER

MODEL NUMBER LM2020E / LM2020E-SP

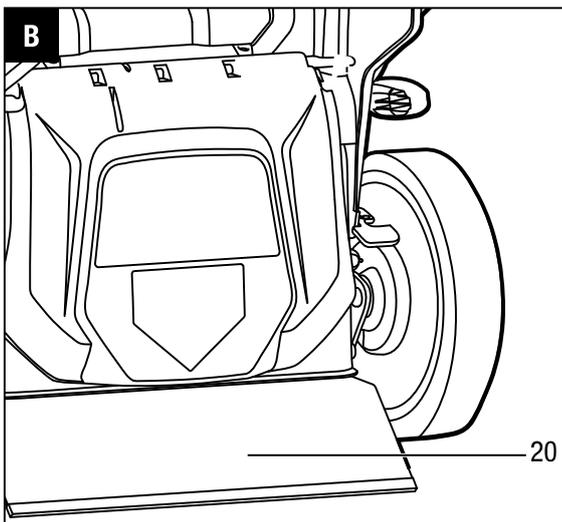
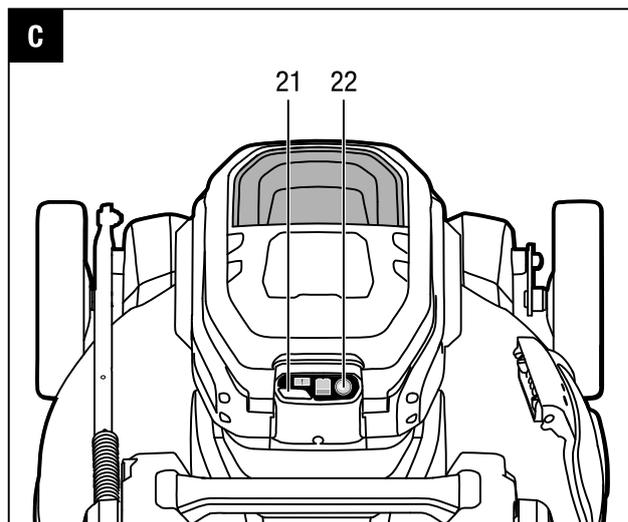
EN	56 Volt lithium-ion cordless mower	6	RO	Mașină de tuns iarba cu acumulator de litiu ion de 56 volți	235
DE	56-volt lithium-ionen kabelloser rasenmäher	19	SL	56-voltna litij-ionska brezžična kosilnica	250
FR	Tondeuse sans fil au lithium-ion de 56 volts	34	LT	56 voltų ličio jonų belaidė žoliapjovė	264
ES	Cortacésped inalámbrico de ión de litio de 56V	49	LV	56 voltu litija jonu bezvadu zāles pļāvējs	278
PT	Máquina de cortar relva sem fios de 56 volts de ião e lítio	65	GR	Ασυρματη χλοοκοπτική μηχανή ιοντων - λιθίου 56 volt	292
IT	Tosaerba senza fili a batteria li-ion 56 volt	79	TR	56 volt lityum-iyon kablosuz çim biçme makinesi	308
NL	56-volt lithium-ion accugrasmaaijer	93	ET	56-voldise liitiumioonakuga akutoitel muruniiduk	322
DK	56 volt litium-ion-batteri akku plæneklipper	108	UK	56-вольтна літій-іонна акумуляторна косарка	335
SE	56 volts sladdlös gräsklippare med litium-jonbatteri	122	BG	56 волта литиево-йонна безкабелна косачка	350
FI	56 voltin litiumioniakulla akkukäyttöinen ruohonleikkuri	136	HR	56 voltna litij-ionska baterijska kosilica	365
NO	56 volt lithium-ion gressklipper uten ledning	150	KA	56 ვოლტიანი ლითიუმის-იონის უსადენო ძრავა	378
RU	Беспроводная газонокосилка на литий-ионной батарее 56В	163	SR	Bežična kosilica sa litijum-jonskom baterijom od 56 volti	399
PL	Kosiarka bezprzewodowa na akumulator jonowo-litowy 56 woltów	179	BS	Akumulatorska kosilica s litij-ionskom baterijom od 56 v	412
CZ	56 voltová lithium-iontová bezdrátová sekačka na trávu	194	HE	מכסחת דשא אלחוטית 56 וולט ליתיום-יון	425
SK	56 voltová lítium-iónová bezdrôtová kosačka na trávu	207	AR	الجزّارة اللاسلكية العاملة ببطارية ليثيوم-أيون 56 فولت	438
HU	56 voltos vezeték nélküli lítium-ion fűnyíró	221			

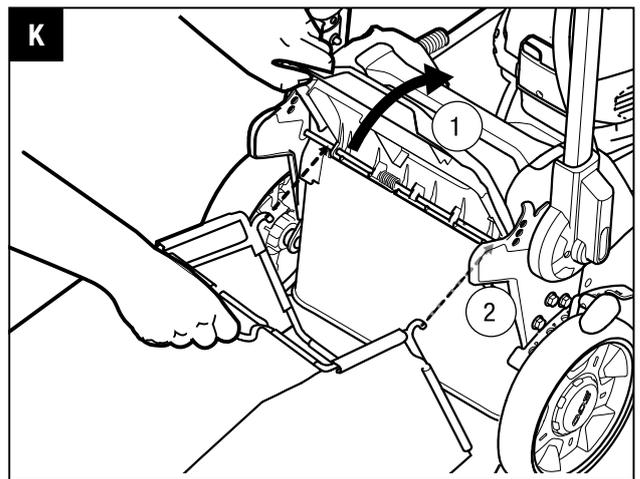
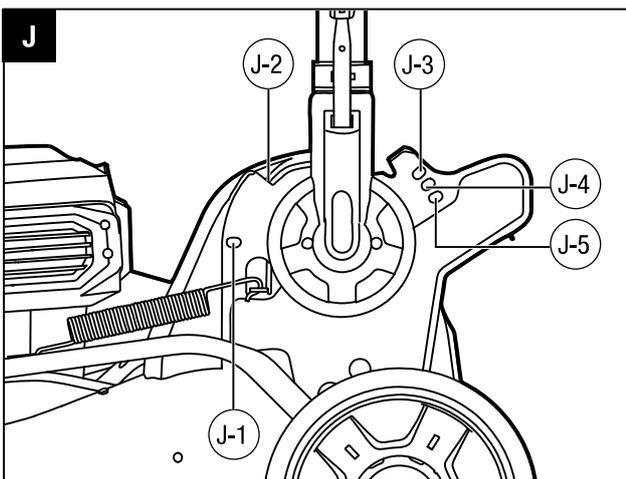
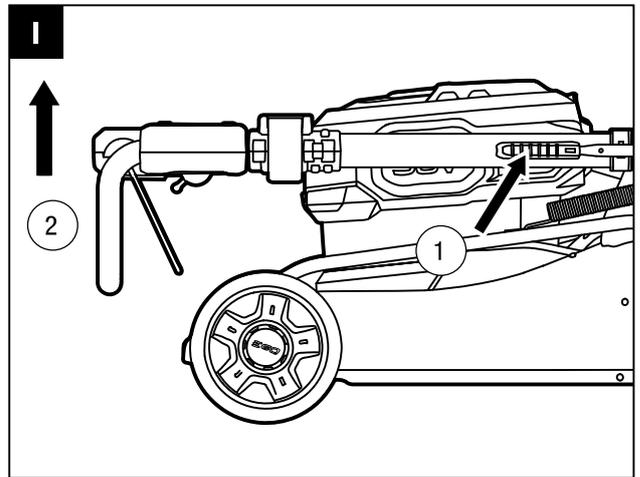
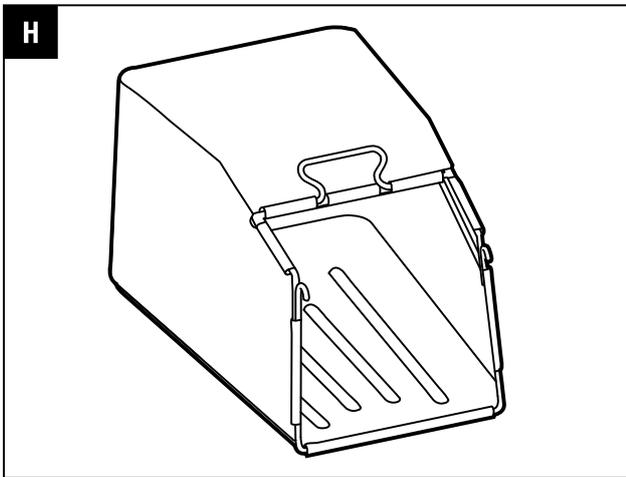
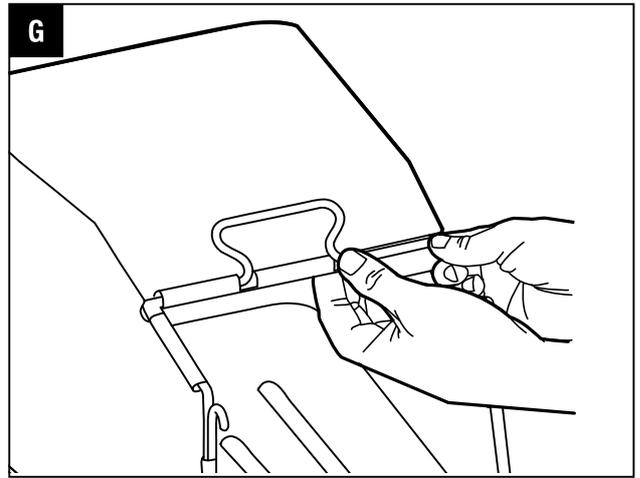
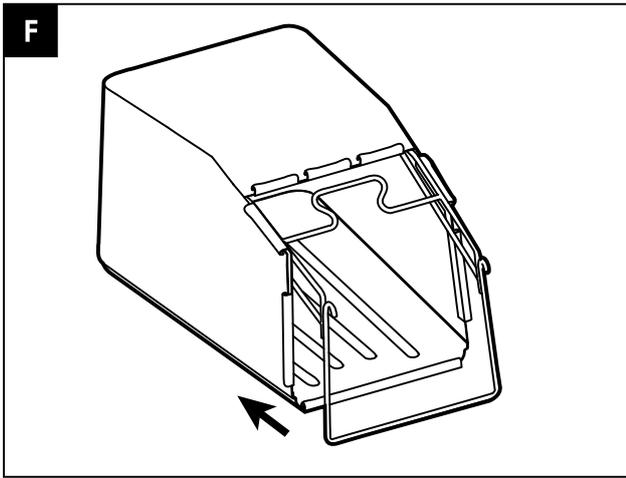
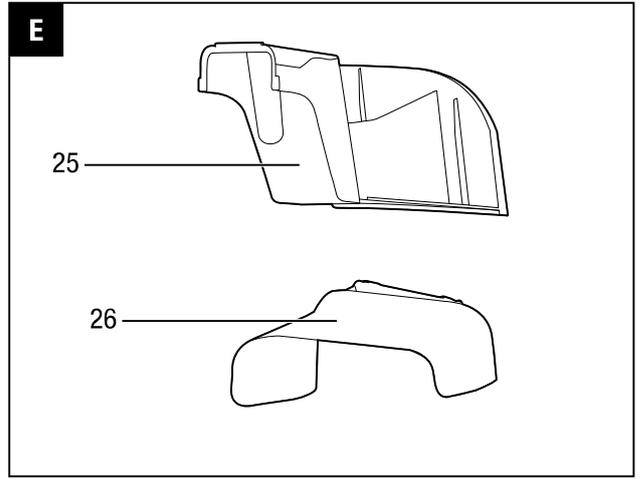
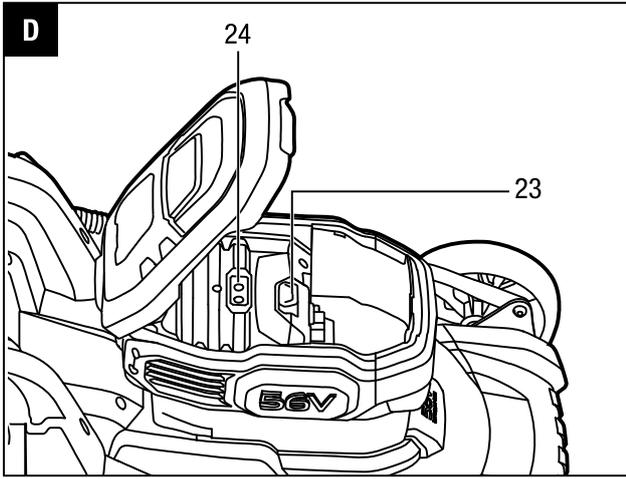
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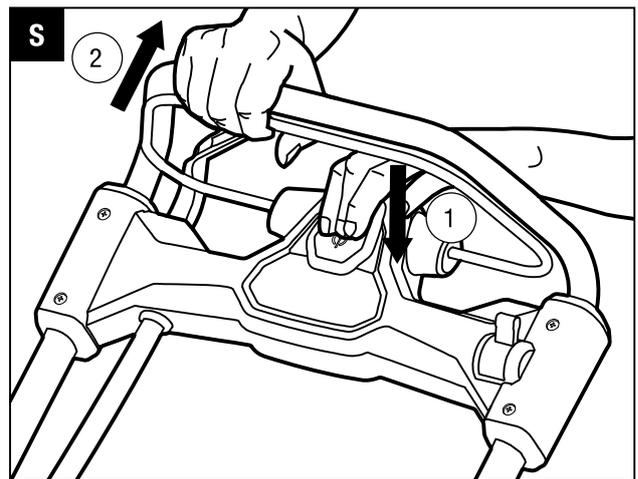
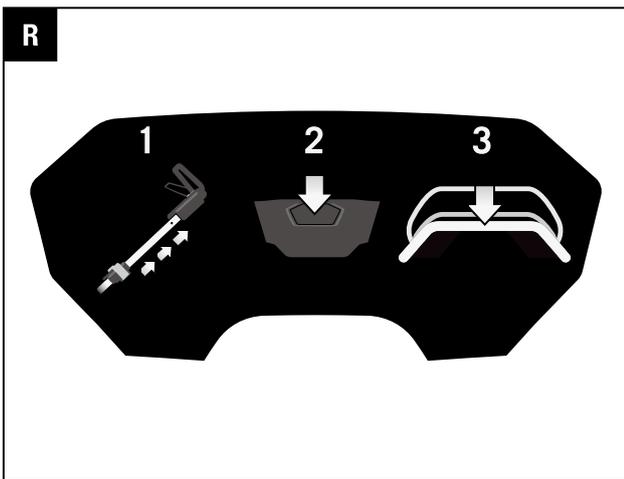
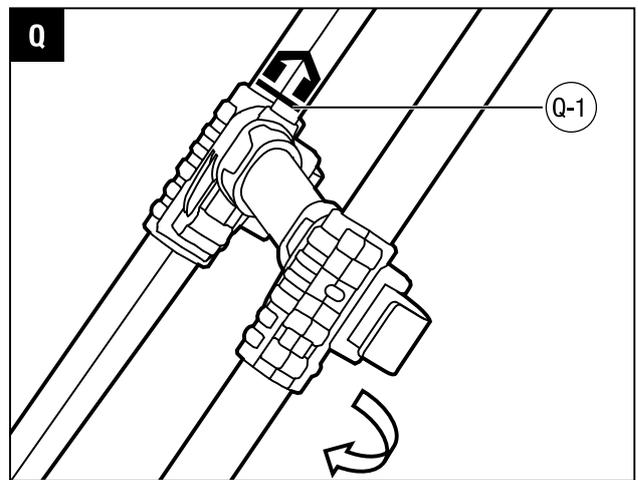
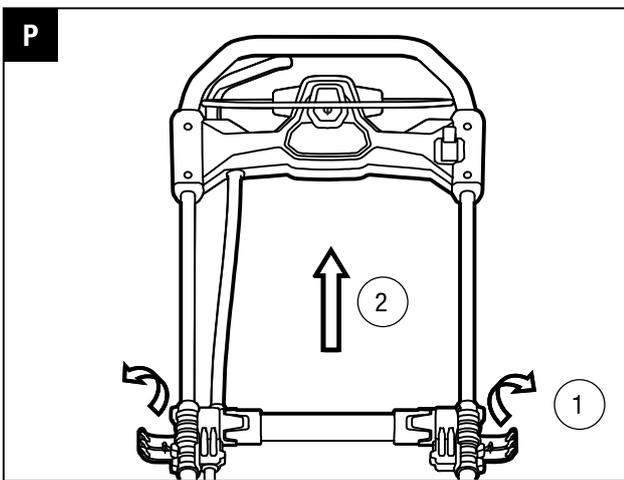
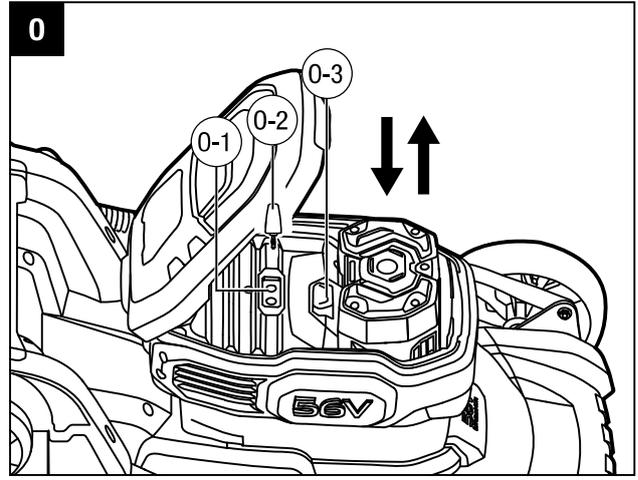
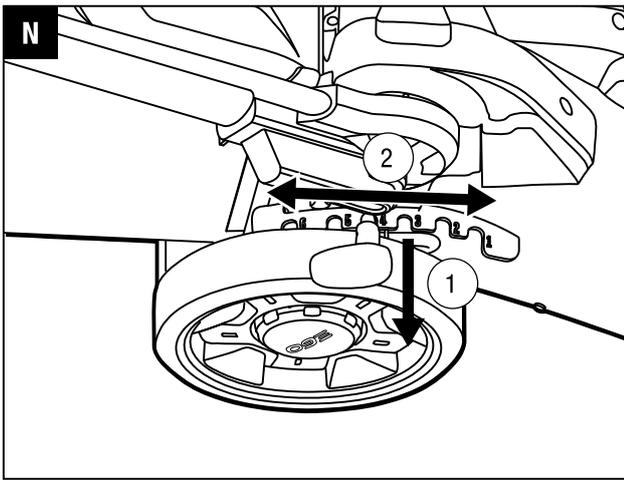
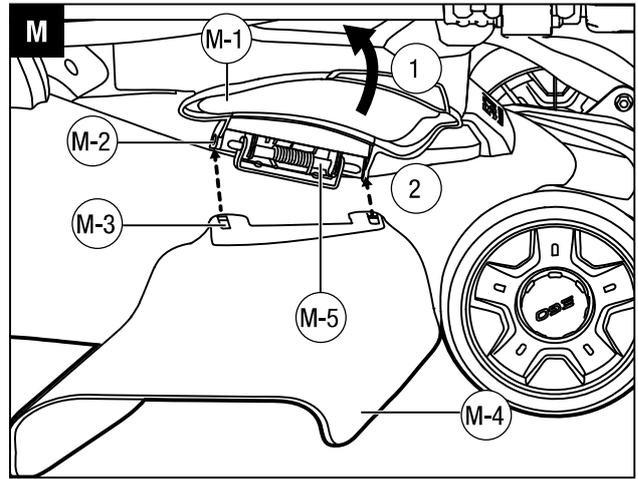
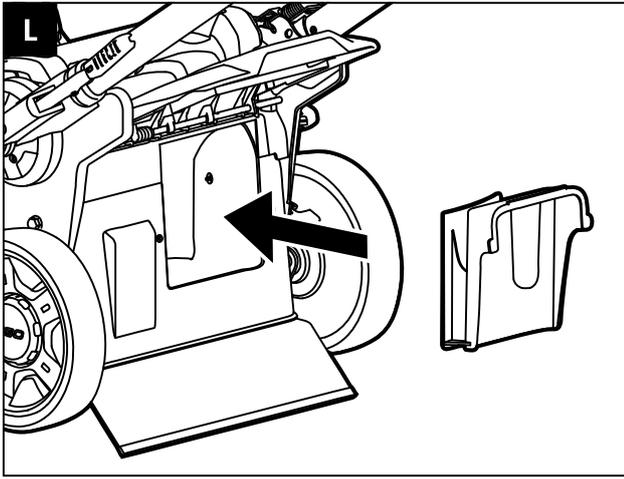
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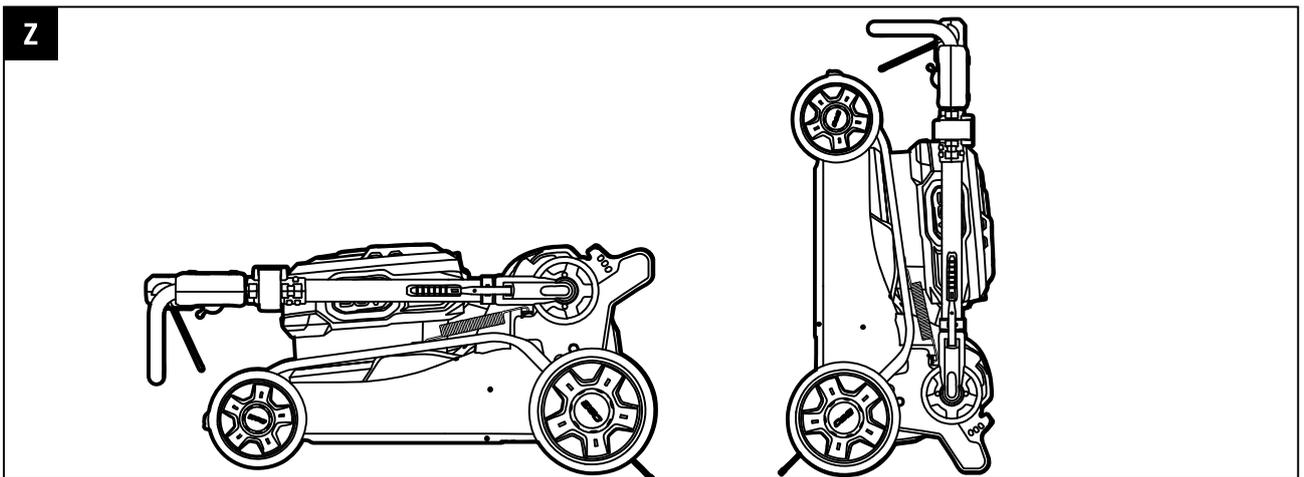
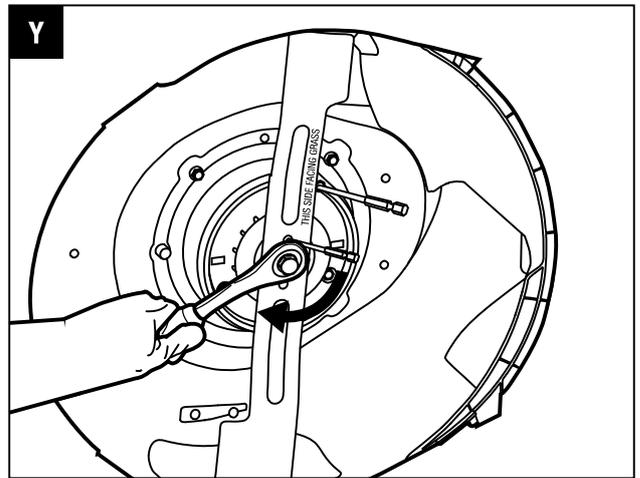
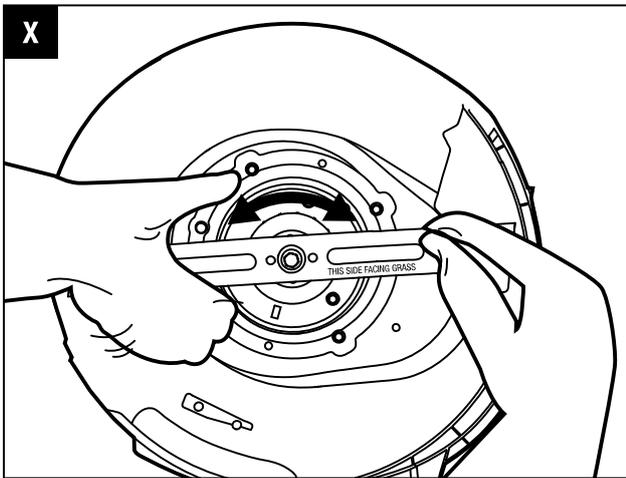
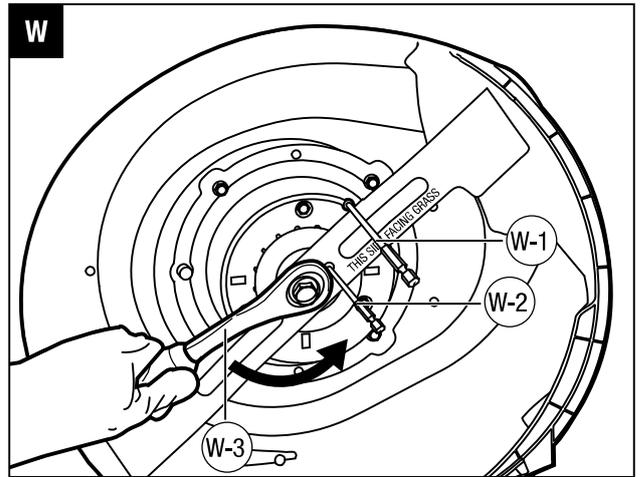
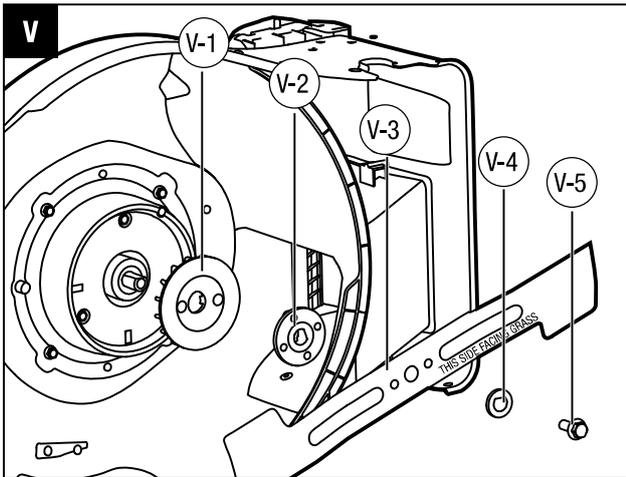
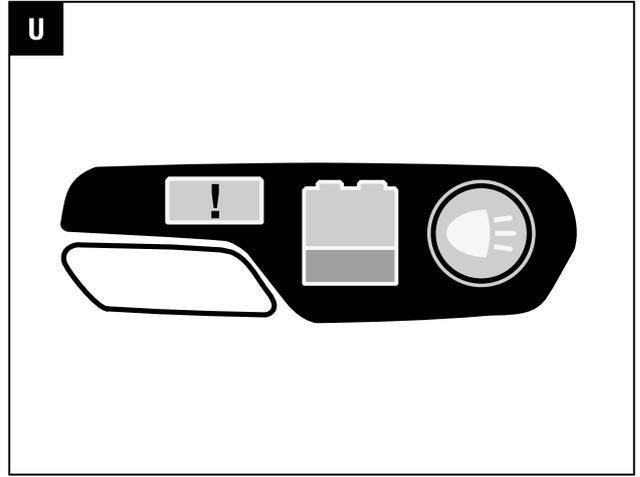
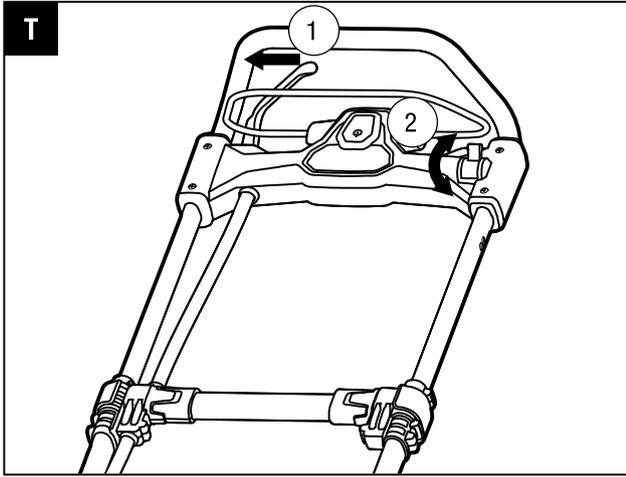


CH2100E,
 CH5500E

**B****C**







EN READ ALL INSTRUCTIONS!

READ OPERATOR'S MANUAL

WARNING: To ensure safety and reliability, all repairs and replacements should be performed by a qualified service technician.

Intended use & Foreseeable misuse: The product is intended for mowing grass in domestic gardens only. It must not be used to mow unusually high, dry or wet grass, e.g. pasture grass; or to shred leaves. The product is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

WARNING: Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as **"DANGER," "WARNING,"** and **"CAUTION"** before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

SYMBOL MEANING

SAFETY ALERT SYMBOL: Indicates **DANGER, WARNING, OR CAUTION,** may be used in conjunction with other symbols or pictographs.

WARNING: The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.

SAFETY INSTRUCTIONS

This page depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

	Safety Alert	Precautions that involve your safety.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Beware of Sharp Blades.	Blades continue to rotate after the motor is switched off – Remove disabling device before maintenance. Switch off and remove detachable battery pack(or disabling device) before adjusting or cleaning.
	Keep Bystanders Away	Ensure that other people and pets remain at least 30m away from the mower when it is in use.
	keep feet & hand away	keep feet & hand away
	CE	This product is in accordance with applicable EC directives.
	WEEE	Waste electrical products should not be disposed of with household waste. Take to an authorized recycler.
	Noise	Guaranteed sound power level. Noise emission to the environment according to the European community's Directive.
IPX4	IP Symbol	Protection against ingress of water degree 4
V	Volt	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
	Alternating Current	Type of current
	Direct Current	Type or a characteristic of current

n_0	No Load Speed	Rotational speed, at no load
... /min	Per Minute	Revolutions per minute

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.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.

- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

PERSONAL SAFETY

- **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.
- **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.
- **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 energising power tools that have the switch on invites accidents.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.
- **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.

POWER TOOL USE AND CARE

- **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.
- **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.

- **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.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.
- **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.

BATTERY TOOL USE AND CARE

- **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.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **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.
- **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.
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may

exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- **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.

SERVICE

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

SAFETY RULES FOR CORDLESS LAWN MOWER

⚠ DANGER: This machine was built to be operated according to the rules for safe operation included in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This machine is capable of injuring hands and feet and throwing objects. Failure to observe all safety instructions could result in serious injury or death.

⚠ WARNING: When using cordless lawn mowers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.

IMPORTANT

READ CAREFULLY BEFORE USE. KEEP FOR FUTURE REFERENCE.

**SAFETY RULES FOR CORDLESS LAWNMOWERS:
CAUTION-DO NOT TOUCH ROTATING BLADE!**

TRAINING

- Read the instructions carefully. Be familiar with the controls and the proper use of the appliance.
- Never allow people unfamiliar or children with these instructions to use the appliance. Local regulations can restrict the age of the operator.
- Never mow while people, especially children, or pets are nearby.
- The operator or user is responsible for accidents or

hazards occurring to other people or their property.

PREPARATION

- While mowing, always wear substantial footwear and long trousers.
- Do not operate the appliance when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- Thoroughly inspect the area where the appliance is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance. Replace damaged or unreadable labels.

OPERATION

- Mow only in daylight or good artificial light.
- Avoid operating the appliance in wet grass, where feasible.
- Always be sure of your footing on slopes.
- Walk, never run.
- For wheeled rotary mowers, mow across the face of slopes, never up and down.
- Exercise extreme caution when changing direction on slopes.
- Do not mow on excessively steep slopes.
- Use extreme caution when reversing or pulling the appliance towards you.
- Stop the blade(s) if the appliance has to be tilted for transportation when crossing surfaces other than grass, and when transporting the appliance to and from the area to be mowed.
- Never operate the appliance with defective guards or shields, or without safety devices, for example deflectors and/or grass catchers, in place.
- Switch on the motor according to instructions and with feet well away from the blade(s).
- Do not tilt the appliance when switching on the motor, except if the appliance has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position before returning the appliance to the ground. Do not start the machine when standing in front of the discharge opening.
- Do not put hands or feet near or under rotating parts. For rotary mowers, keep clear of the discharge opening

at all times.

- Never pick up or carry an appliance while the motor is running.
- Switch off and remove detachable battery pack (or disabling device) and make sure that all moving parts have come to a complete stop before adjusting or cleaning:
 - Whenever you leave the machine;
 - Before clearing a blockage and unclogging chute;
 - Before checking, cleaning or working on the appliance;
 - After striking a foreign object. Inspect the appliance for damage and make repairs as necessary.
- If the appliance starts to vibrate abnormally (check immediately):
 - Inspect for damage;
 - Replace or repair any damaged parts;
 - Check for the tighten any loose parts.

MAINTENANCE AND STORAGE

- Be careful during adjustment of the machine to prevent entrapment of the fingers between moving blades and fixed parts of the appliance.
- Keep all nuts, bolts, and screws tight to be sure the appliance is in safe working condition.
- Check the grass catcher frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- Cleaning and user maintenance shall not be made by children without supervision.
- When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
- For rotary mowers, ensure that only replacement cutting means of the right type are used.

PERSONAL SAFETY

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

- Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
- Be alert and turn the mower off if a child enters the area.
- Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your vision of a child who may run into the mower.
- Children should be supervised to ensure that they are not playing with the mower.
- Always turn the mower off when removing the battery pack

from the tool. Stop the blade(s) if the appliance has to be tilted for transportation when crossing surfaces other than grass, and when transporting the appliance to and from the area to be mowed.

OPERATION

GENERAL OPERATION:

- Read this operator's manual carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manuals before operation. Be completely familiar with the controls and proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Use the right appliance – Do not use the lawn mower for any job except that for which it is intended.
- Don't overreach – Keep proper footing and balance at all times.
- Objects struck by the lawn mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
- Before and while moving backwards, look behind and down for small children and other people.
- This machine is not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
- Don't force the lawn mower – it will do the job better and more safely at the rate for which it was designed.
- Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts and any other components at the same time to preserve balance. Replace damaged or unreadable labels.
- Use extreme caution when reversing or pulling the appliance towards you.
- Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, toys and other foreign objects that could be tripped over or picked up and thrown by the blade. Thrown objects can cause serious personal injury. Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. Also, avoid discharging material against walls or obstructions, which may cause discharged material to ricochet back toward the operator.
- To help avoid blade contact or an injury from thrown objects, stay in the operator zone behind the handles and keep children, bystanders, helpers and pets at least 30m from the mower while it is in operation. Stop the machine if anyone enters the area.
- Always wear safety glasses or safety goggles during operation and while performing an adjustment or repair to protect your eyes. Thrown objects that ricochet can cause serious injury to the eyes. Always use a face or dust mask if the operation is dusty.
- Dress properly – Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and footwear is recommended when working outdoors. Wear sturdy, rough-soled work shoes and close-fitting trousers and shirts. Shirts and trousers that cover the arms and legs and steel-toed shoes are recommended. Never operate this machine in bare feet, sandals, slippery or lightweight (e.g., canvas) shoes.
- Do not put hands or feet near rotating parts or under the cutting deck. Contact with the blade can injure hands and feet.
- A missing or damaged discharge cover can cause blade contact or injuries from thrown objects.
- Many injuries occur as a result of the mower being pulled over the foot during a fall caused by slipping or tripping. Do not hold onto the mower if you are falling, release the handle immediately.
- Never pull the mower back toward you while you are walking. If you must back the mower away from a wall or obstruction first look down and behind to avoid tripping and then following these steps:
 - Step back from mower to fully extend your arms.
 - Be sure you are well balanced with sure footing.
 - Pull the mower back slowly, no more than half way toward you.
 - Repeat these steps as needed.
- Do not operate the mower while under the influence of alcohol or drugs.
- Stay alert – watch what you are doing. Use common sense. Do not operate the lawn mower when you are tired.
- The motor/blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The motor/blade control handle must operate easily in both directions and automatically return to the disengaged position when released.
- Avoid dangerous environments – Don't use lawn mowers in damp or wet locations.
- Don't use in rain.
- Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your footing, release the motor/blade control handle

immediately and the blade will stop rotating within three seconds.

- Stop the blade when crossing gravel drives, walks or roads.
- If the equipment should start to vibrate abnormally, stop the motor and check immediately for the cause. Vibration is generally a warning of trouble.
 - Inspect for damage;
 - Replace or repair any user replaceable damaged parts;
 - Check for and tighten any loose parts.
 - Never operate the mower without the proper trailing shield, discharge cover, grass bag, mulching insert, side discharge chute, motor/blade control handle or other safety protective devices in place and working. Never operate the mower with damaged safety devices. Failure to do so can result in personal injury.
- If situations occur that are not covered in this manual, use care and good judgment. Contact EGO Customer Service for assistance.
- The battery pack must be removed from the appliance before it is scrapped.
- The battery shall be disposed of safely.

OPERATION ON A SLOPE:

Slopes are a major factor related to slip-and-fall accidents, which can result in severe injury. Always be sure of your footing on slopes. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

Do:

- Mow across the face of slopes; never mow up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles.

Do not:

- Do not mow near drop-offs, ditches or embankments; you could lose your footing or balance.
- Do not mow slopes greater than 15 degrees.
- Do not mow on wet grass. Unstable footing could cause slipping.

SERVICE

⚠ WARNING: Grass bag components, the discharge cover, side discharge chute, mulching insert and trailing shield are subject to wear and damage, which could expose moving parts or allow objects to be thrown and could increase the risk of injury. For safety protection, frequently check all components and replace damaged components

immediately with identical replacement parts, listed in this manual. Contact EGO Customer Service or your closest EGO service center, and repairs or replacements shall be performed by a qualified service technician!

- If the mower's built-in overload protection switch frequently trips, contact EGO Customer Service or your closest EGO service center.
- Do not wash the mower with a hose; avoid getting water in the motor and electrical connections.
- Remove the key and store the idle lawn mower indoors when not in use. Allow the motor to cool before storing it in any enclosure. The lawn mower should be stored in a dry, high, or locked-up enclosure, out of reach of children.
- When servicing, use only identical replacement parts listed in this manual. Use of parts that do not meet the original equipment specifications may lead to improper performance and compromised safety.
- Remove or disconnect the battery pack before servicing, cleaning, or removing material from the lawn mower.
- Follow instructions for changing accessories.
- Keep handles dry, clean and free from oil and grease.
- To reduce a fire hazard, keep the motor cover free of grass, leaves and debris build-up.
- Check the blade and motor mounting bolts at frequent intervals for proper tightness. Also, visually inspect the blade for damage (e.g., bending, cracking and wear.). Replace the blade only with the identical replacement blade, listed in this manual.
- Maintain your mower with care – keep the mower blade sharp and clean for the best and safest performance. Mower blades are sharp and can cut. Wrap the blade or wear gloves and use extra caution when servicing it.
- Never remove or tamper with safety devices. Regularly check their proper operation. Never do anything to interfere with the intended function of a safety device or to reduce the protection provided by a safety device.
- Always stop the motor before making adjustments to a wheel or a cutting-height adjustment.
- After striking a foreign object, stop the motor, remove the key, and thoroughly inspect the mower for any damage. Repair the damage before operating the mower.
- Maintain or replace safety and instruction labels, as necessary. Contact EGO Customer Service or your closest EGO service center, and repairs or replacements shall be performed by a qualified service technician!

- **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possibly injury.

BATTERY USE AND CARE

- To preserve natural resources, please recycle or dispose of batteries properly. This product contains lithium-ion batteries. Local or national laws prohibit disposal of lithium-ion batteries in ordinary rubbish. Consult your local waste authority for information regarding available recycling and/or disposal options.
- Upon removal of the battery pack for disposal or recycling, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble the battery pack or remove any of its components. Lithium-ion batteries, must be recycled or disposed of properly. Also, never touch the terminals with metal objects and/or body parts as a short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.
- **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.

SPECIFICATIONS

Model Number	LM2020E	LM2020E-SP
Self Propel System	No	Yes
Voltage	56 V	56 V
No-Load Speed	3000 /min	3000 /min
Cutting Height	25-95 mm	25-95 mm
Anbefalt driftstemperatur	0°C-40°C	0°C-40°C
Anbefalt lagringstemperatur	-20°C-70°C	-20°C-70°C
Cutting Height Positions	6	6
Deck Size	51 cm	51 cm
Cutting Width	50 cm	50 cm
Grass Bag Volume	60 L	60 L
Mower Weight (Without battery pack, mulching insert)	24.4 kg	27.2 kg
Blade Model	AB2001	AB2001

Measured sound power level L_{WA}	91.5 dB(A) K=1.80 dB(A)	91.0 dB(A) K=1.89 dB(A)	
Sound pressure level at operator's ear L_{PA} K=3 dB(A)	79.5 dB(A)	79.2 dB(A)	
Guaranteed sound power level L_{WA} (according to 2000/14/EC)	93 dB(A)	93 dB(A)	
Valuation of vibration a_h K=1.5 m/s ²	Left handle	≤2.5 m/s ²	≤2.5 m/s ²
	Right handle	≤2.5 m/s ²	≤2.5 m/s ²
Blade brake	YES	YES	

- The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another;
- The declared vibration total value may also be used in a preliminary assessment of exposure.

NOTICE: The vibration emission during actual use of the power tool can differ from the declared value in which the tool is used; In order to protect the operator, user should wear gloves and ear protectors in the actual conditions of use.

PACKING LIST

PART NAME	QUANTITY
Lawn mower	1
Grass bag	1
Grass bag frame	1
Mulching insert	1
Side-discharge chute	1
Safety key	2
Operator's manual	1

DESCRIPTION

KNOW YOUR MOWER (Fig. A & B & C & D & E)

- 1 Bail switch (Switch Lever)
- 2 Handle
- 3 Safety Button
- 4 Self-Propel Trigger
- 5 Handle-Locking Clamp
- 6 Grass Bag
- 7 Cutting-Height Adjustment Lever

- 8 Rear Wheel
- 9 Side-Discharge Door
- 10 Mower Deck
- 11 Deck Cover
- 12 Front Wheel
- 13 LED Headlights
- 14 Battery-Pack Cover
- 15 Rear Handle
- 16 Quick-Adjust Lever
- 17 Rear-Discharge Door
- 18 Side Rail
- 19 Self-Propel Speed-Control Lever
- 20 Trailing Shield
- 21 Power Indicator
- 22 Switch Button for LED Headlights
- 23 Battery-Release Button
- 24 Safety Key Slot
- 25 Mulching Insert
- 26 Side Discharge Chute

OPERATION

ASSEMBLING THE GRASS BAG

- 1) Slide the grass bag onto the frame (Fig. F).
- 2) Assemble the top clips to the frame (Fig. G). Then assemble the two side clips. Assemble the bottom clip lastly.
- 3) The completely assembled grass bag is shown in Fig. H.

ADJUSTING THE FOLDABLE HANDLE

⚠ WARNING: Do not attempt to start the mower until the handle has been locked at one of the three preset operating positions (UPPER OPERATING POSITION, MIDDLE OPERATING POSITION and LOWER OPERATING POSITION).

Your mower is shipped with the handle in the compact, LOCKED STORAGE POSITION (Fig. I).

- 1) Pull out the two quick-adjust knobs and turn 90° to release the handle from the LOCKED STORAGE POSITION.
- 2) Lift the handle from its folded position, then release the lever. Gently pivot the handle upward until you hear and feel the lock pin engage in one of the following different positions as shown in the Fig. J.

Fig. J parts description see below:

J-1	Locked Storage Position
J-2	Grass Bag Attachment/ Removal Position
J-3	Upper Operating Position
J-4	Middle Operating Position
J-5	Lower Operating Position

ATTACHING/REMOVING THE GRASS BAG/ MULCHING INSERT/SIDE DISCHARGE CHUTE

⚠ WARNING: Do not at any time make any adjustment to the lawn mower without first stopping the motor, removing the safety key and waiting for the blade to stop rotating.

NOTICE: Attach any of the attachments to the lawn mower before mowing.

■ To Attach/Remove the Grass Bag (Fig. K)

Adjust the handle to the suitable operating position. Lift the rear-discharge door and hook the grass bag onto the pivot rod. To remove, just lift the grass bag up, off of the pivot rod. Lastly, release the rear-discharge door.

NOTICE: Remove the pre-installed mulching insert from the mower before attaching the grass bag to the mower.

■ To Attach/Remove the Mulching Insert (Fig. L)

Lift the rear-discharge door and insert the mulching insert into the mower. To remove, just pull it out. Lastly, release the rear-discharge door.

■ To Attach/Remove the Side Discharge Chute (Fig. M)

Lift the side-discharge door. Align the slot of the discharge chute with the knob of the discharge door and release the side-discharge door gently to make it rotate around the pivot rod until it rests on the discharge chute firmly. To remove, lift the side-discharge door, lift the side-discharge chute up, off the assembly knob of the door.

Fig. M parts description see below:

M-1	Side-discharge Door
M-2	Assembly Knob
M-3	Assembly Slot
M-4	Side-discharge Chute
M-5	Pivot

NOTICE: The mulching insert must be installed when the side discharge chute is attached.

ADJUSTING THE CUTTING HEIGHT (Fig. N)

⚠ WARNING: Keep your feet away from the deck when adjusting its height. The mower can be set to 6 cutting heights between 25mm and 95mm. Choose the proper cutting height according to the type and condition of the grass.

NOTICE: When moving the tool, make sure the cutting height is adjusted at the position of 3 or higher. Failure to do so, could result in the damage of the blade.

ATTACHING/DETACHING THE BATTERY PACK (Fig. O)

USE ONLY WITH THE BATTERY PACKS AND CHARGERS LISTED IN FIG.A

CHARGE BEFORE FIRST USE.

⚠ WARNING: If any parts are broken or missing, do not attempt to attach the battery pack to the mower or operate the mower until the broken or missing parts are replaced. Failure to do so could result in serious injury.

■ To Attach

Push the battery pack into the battery compartment until you hear a “click”.

■ To Detach

Depress the battery-release button in the battery compartment.

Fig. O parts description see below:

0-1	Safety Key Slot
0-2	Safety Key
0-3	Battery-release Button

NOTICE: Make sure that the latch on the mower snaps into place and that the battery pack is secured to the mower before starting operation.

STARTING/STOPPING THE MOWER

⚠ WARNING: The operation of any lawn mower can result in foreign objects being thrown into your or others’ eyes, which can damage eyes severely. Always wear safety glasses while operating the mower or while performing any adjustments or repairs on the mower.

⚠ WARNING: Ensure that other people and pets remain at least 30m away from the mower when it is in use.

⚠ WARNING: The blade will continue to rotate for a few seconds after the mower is turned off. Allow the motor/blade to stop rotating before starting it again. Do not rapidly turn the mower off and on.

SAFETY KEY

In order to prevent accidental start-up or unauthorized use of your cordless mower, a removable safety key has been incorporated into the design of your mower. The mower will be completely disabled when the safety key has been removed from the mower.

⚠ DANGER: Rotating blades can cause serious injury. To prevent serious injury, remove the safety key when the mower is unattended, or when adjusting, cleaning, servicing, transporting, lifting, or storing the mower.

NOTICE: The motor cannot be started unless:

- The handle is locked into one of the three operating positions, see ADJUSTING THE FOLDABLE HANDLE.
- The side rails are fully extended (Fig. P).
- Both green handle-locking clamps are securely closed (Fig. Q).

Q-1	Indication Line
-----	-----------------

⚠ CAUTION: Do not attempt to override the operation of the safety button and bail switch.

To Start

- 1) Attach the battery pack to the mower, insert the safety key into the key slot and close the battery cover (Fig. O).
- 2) According to Fig. R, depress the safety button down.
- 3) With the switch button depressed, pull the bail switch upward to the handle and release the safety button (Fig. S).

To Stop

- 1) Fully release the bail switch.
- 2) The electric brake in the Automatic Braking Mechanism will stop the blade rotation within 3 seconds of the bail switch release.

VARIABLE-SPEED SELF-PROPEL SYSTEM (only model LM2020E-SP)

LM2020E-SP mower is equipped with variable-speed self-propel capability. This system is independent of the blade On-Off switch; it is not dependent on blade rotation.

To operate the system without blade rotation, pull the self-propel trigger to the handle.

To turn the self propel off, release the self-propel trigger.

The system has variable speed. To increase the speed, move the self-propel speed-control lever forwards. To decrease the speed, move the self-propel speed-control lever backwards (Fig. T).

To operate with the blade rotating for cutting:

1. Start the mower.
2. While holding the bail switch against the handle with left hand, pull the self-propel trigger to the handle with your right hand.

3. Hold both the bail switch and the self-propel trigger simultaneously against the handle with your right hand and use your left hand to adjust the self-propel speed-control lever to choose a proper speed.

⚠ WARNING: To reduce the risk of injury, never attempt to override the operation of the switch or self-propel system. Use the self-propel for its intended purpose only.

LED HEADLIGHTS (Fig. A-13)

Press the switch button (Fig. C-22) to turn on/off the LED headlights in the front of the battery compartment.

POWER INDICATOR ON THE MOWER (Fig. U)

The mower is equipped with a power indicator to indicate the charge level of the battery pack and the working status of the mower. The power indicator will illuminate when the blade is rotating or when the LED headlights are turned on.

Power Indicator on Mower	Meaning	Action
Shining green	Mower is working properly; battery has at least 15% of its charge	N/A
Shining red	Low battery	Stop the mower and charge the battery pack
Flashing red	The battery is nearly depleted	Stop the mower and charge the battery pack
Shining orange	The mower or the battery pack is overheated	Remove the battery from the mower, move them to the shade and cool them at least 15 minutes
Flashing orange	The mower is overloaded	Slow down your pace or raise up the cut height to decrease the load

MOWER OVERLOAD PROTECTION

To prevent overload conditions, do not try to remove too much grass at one time. Slow down your cutting pace or raise the cut height.

Your mower has built-in overload circuit protection. When the mower is overloaded, the motor will stop and the power indicator on the mower will flash orange. Remove the battery pack from the mower. Check to see if grass has collected beneath the deck and clear it if necessary, then install the battery and restart the mower.

BATTERY HIGH TEMPERATURE PROTECTION

The battery pack will generate heat during operation. The

heat dissipates more slowly in hot weather. If the battery temperature exceeds 70°C during operation, the protection circuit will immediately turn off the mower to protect the battery pack from damage. The power indicator on the mower will shine orange and the LED on the battery will flash orange. Release the bail handle, wait until the battery pack cools down to approximately 67°C, then restart the mower.

MAINTENANCE

⚠ WARNING: To avoid serious personal injury, always remove the safety key and battery pack from the mower before cleaning or performing any maintenance.

⚠ WARNING: When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician.

CLEANING THE MOWER

⚠ WARNING: Always remove the safety key and battery pack when servicing or transporting the mower.

The underside of mower deck should be cleaned after each use, as grass clippings, leaves, dirt and other debris will accumulate. This accumulation is undesirable, as it will promote rust and corrosion on metal parts and reduce the cutting efficiency of the mower.

Remove any build-up of grass and leaves on or around the drive shaft (LM2020E-SP) and the motor fan (do not use water). Wipe the mower clean with a damp cloth.

REMOVING/INSTALLING THE BLADE

⚠ WARNING: Always protect your hands by wearing heavy gloves or wrapping the cutting edges with rags or other materials when performing any maintenance on the mower blade.

■ To Remove the Blade (Fig. W)

NOTICE: If the bolt rotates with the motor shaft when loosening the bolt, turn the fan by hand to align the through holes in the fan with the holes in the blade, and place another metal rod into the aligned holes.

■ To Install the Blade

Following the assembly sequence in Fig. V, with the fan blade towards deck and the printed blade side towards outside, align the through holes in the fan with the holes in the blade (Fig. X) and then tighten the blade as Fig. X shown.

Fig. V & W parts description see below:

V-1	Fan	V-5	Bolt
V-2	Inner Flange	W-1	Stabilizer 1
V-3	Blade	W-2	Stabilizer 2
V-4	Outer Flange	W-3	14mm Wrench

NOTICE: The recommended torque for tightening the blade bolt is 49-59Nm.

STORING THE MOWER

- Remove the battery pack from the mower and store it in a cool, dry and clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.
- Store the mower in a covered, enclosed space, that is cool and dry and out of the reach of children.
- Do not cover the lawn mower with a solid plastic sheet. Plastic coverings trap moisture around the mower, which causes rust and corrosion.
- The mower can be stored upright or flat (Fig. Z).

⚠ WARNING: If the mower begins to tip over from the upright position, mower damage or personal injury may result. Always keep the mower stable and out of the reach of children when it is in the upright position. If possible, lay it flat for storage.

Protecting the environment



Do not dispose of electrical equipment, battery charger and batteries/rechargeable batteries into household waste!

According to the European law 2012/19/EU, electrical and electronic equipment that is no longer usable, and according to the European law 2006/66/EC, defective or used battery packs/batteries, must be collected separately.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

TROUBLESHOOTING

⚠ WARNING: Always remove the safety key and battery pack when servicing or transporting the mower. Always protect your hands by wearing heavy gloves or wrapping the cutting edges with rags or other materials when performing any maintenance on the mower blade.

PROBLEM	CAUSE	SOLUTION
The mower fails to start	<ul style="list-style-type: none"> ■ The battery pack is depleted. ■ The battery pack is not mounted in place in the battery compartment. ■ The battery or mower circuitry is too hot. (The power indicator on the mower will illuminate in orange for 10 seconds) ■ The side rails are not extended to their maximum length and the clamps are not locked in position. ■ The handle is not set at one of the three operating positions. ■ The mower deck is clogged with grass and debris. 	<ul style="list-style-type: none"> ■ Charge the battery pack. ■ Attach the battery pack to the mower; press it until you hear a click. ■ Allow the battery pack or mower to cool until the temperature drops below 67°C. ■ Fully extend the handle and lock both clamps. ■ Adjust the handle to one of the three operating positions. ■ Clean the mower deck and make certain that the blade has freedom of movement.
The mower cuts unevenly	<ul style="list-style-type: none"> ■ The blade is dull. ■ The cutting height is not set properly. ■ The blade is assembled incorrectly. 	<ul style="list-style-type: none"> ■ Sharpen or replace the blade. ■ Raise the deck to a higher cutting height setting. ■ Reassemble the blade, following the section “INSTALLING THE BLADE” in this manual.
The mower stops while mowing	<ul style="list-style-type: none"> ■ The battery pack is depleted. ■ Mower is in overload condition. ■ Mower deck is clogged with grass and debris. ■ The battery or mower circuitry is too hot. (The power indicator on the mower will illuminate orange for 10 seconds.) ■ The side rail is retracted a little by the pushing force applying on the handle. 	<ul style="list-style-type: none"> ■ Charge the battery pack. ■ Raise the cutting height or slow down the mowing. ■ Unclog the mower deck. Raise the cutting height, or cut a narrow swath. ■ Allow the battery pack or mower to cool until the temperature drops below 67°C. ■ Unlock the clamps. Fully extend the side rails and lock the clamps again.

PROBLEM	CAUSE	SOLUTION
The mower does not mulch properly	<ul style="list-style-type: none"> ■ Wet grass clippings are sticking to the underside of the deck. ■ The mower is set to cut too much grass at once. 	<ul style="list-style-type: none"> ■ Wait until the grass dries before mowing. ■ Raise the deck to a higher cutting height setting.
There is excessive vibration	<ul style="list-style-type: none"> ■ The cutting blade is loose. ■ The cutting blade is unbalanced. ■ The cutting blade is bent. ■ The motor shaft is bent. 	<ul style="list-style-type: none"> ■ Tighten the blade bolt. ■ Balance the blade following the instructions. ■ Replace the blade. ■ Contact the service center.
The handle locking clamps cannot be closed in position.	<ul style="list-style-type: none"> ■ The side rails are not fully extended. 	<ul style="list-style-type: none"> ■ Fully extend the side rails, then lock the clamps.

WARRANTY

EGO WARRANTY POLICY

Please visit the website egopowerplus.com for full terms and conditions of the EGO Warranty policy.