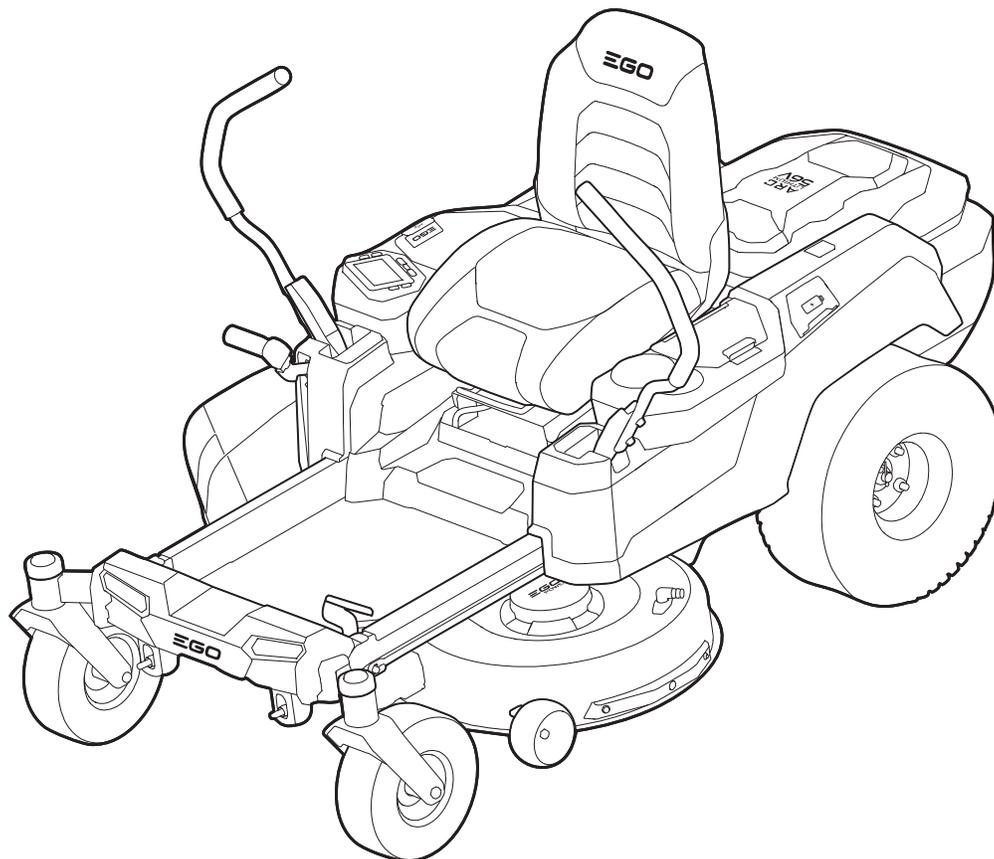


EGO™

POWER⁺ ELECTRIC ZERO TURN MOWER™



OPERATOR'S MANUAL

56-VOLT LITHIUM-ION ELECTRIC ZERO TURN MOWER

MODEL NUMBER ZT4210L/ZT4210L-FC

Français p. 75

Español p. 159



WARNING: To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.

READ ALL INSTRUCTIONS!



READ & UNDERSTAND OPERATOR'S MANUAL

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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 machine. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

The definitions below describe the **level** of severity for each signal word. Please read the manual and pay attention to these symbols.

	<p>This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.</p>
	<p>DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.</p>
	<p>WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.</p>
	<p>CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.</p>

DAMAGE PREVENTION AND INFORMATION MESSAGES

These inform the user of important information and/or instructions that could lead to equipment or other property damage if they are not followed. Each message is preceded by the word “NOTICE”, as in the example below:

NOTICE Equipment and/or property damage may result if these instructions are not followed.

SAFETY INSTRUCTIONS FOR ELECTRIC ZERO TURN MOWER

⚠ DANGER This machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

GENERAL INFORMATION

- Read, understand, and follow instructions and warnings in this manual and on the machine and attachments.
- Only allow persons who are responsible, trained, familiar with the instructions, and physically capable to operate the machine.
- Do not carry passengers and keep bystanders away.
- Do not operate the machine while under the influence of alcohol or drugs.
- Follow the manufacturer's recommendation for wheel weights or counterweights.

PREPARATION BEFORE OPERATING

- Clear the operating area of any objects which could be thrown by or interfere with operation of the machine.
- Keep the area of operation clear of all bystanders, particularly small children. Stop the machine and attachment(s) if anyone enters the area.
- Do not operate the machine without the entire grass catcher, discharge chute, or other safety devices in place and functioning properly. Check frequently for signs of wear or deterioration and replace as needed.
- Wear appropriate personal protective equipment such as safety glasses, hearing protection, and footwear.

OPERATION

- Only operate the machine in daylight or good artificial light.
- Avoid holes, ruts, bumps, rocks, or other hidden hazards. Uneven terrain could overturn the machine, or cause operator to lose their balance or footing.
- Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- Do not direct discharge material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade(s) when crossing gravel surfaces.
- Do not leave a running machine unattended. Always park on level ground, disengage the attachment, set parking brake, and stop the motor.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Avoid mowing wet grass. Mowing on wet surfaces can cause loss of control and the wheels to sink into the soft lawn.
- If situations occur that are not covered in this manual, use care and good judgment. Contact EGO Customer Service for assistance.

- Use only with the battery packs and chargers listed below:

BATTERY PACK	CHARGER (Charge battery packs separately)	CHARGER (Charge via charging port)
BA1400, BA1400-FC, BA2800, BA2800-FC, BA4200, BA4200-FC, BA1400T, BA1400T-FC, BA2242T, BA2242T-FC, BA2800T, BA2800T-FC, BA3360T, BA3360T-FC, BA4200T, BA4200T-FC, BA4480T, BA4480T-FC, BA5600T, BA5600T-FC, BA6720T, BA6720T-FC	CH2100, CH2100-FC, CH3200, CH3200-FC, CH5500, CH5500-FC, CH7000, CH7000-FC, CH2800D, CH2800D-FC, CH7000T, CH7000T-FC	CHV1600/CHV1600-FC, CHV0800/CHV0800-FC

NOTICE This mower may not function or may experience decreased performance at battery capacities less than 20Ah. For best performance, we recommend use of EGO batteries that total 30Ah or greater.

CHILDREN SPECIFIC

- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.
- Keep children out of the operating area and under the watchful care of a responsible adult other than the operator.
- Do not carry children, even with the blade(s) shut off. Children could fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past could suddenly appear in the mowing area for another ride and be run over or backed over by the machine.

SLOPE SPECIFIC

WARNING Slopes are a major factor related to accidents. Operation on slopes requires extra caution.

- Travel in the manufacturer recommended direction on slopes. Use caution while operating near drop-offs.
- Do not operate machine under any condition where traction, steering, or stability is in question. Tires could slide even if the wheels are stopped.
- Always keep the machine in gear when going down slopes. Do not coast downhill.
- Avoid starting and stopping on slopes. Avoid making sudden changes in speed or direction. Make turns slowly and gradually.
- Use extra care while operating machine with a grass catcher or other attachment(s). They can affect the stability of the machine.

HAULING

- Use proper width ramps for loading and unloading a machine for transport.

TRANSPORT

- The machine is heavy and can cause serious crushing injuries. Be extra cautious when it is loaded on or unloaded from a vehicle or trailer.
- Use proper width ramps for loading machine on a trailer or truck.
- Use an approved trailer to transport the machine. Engage the electric park brake by securing the steering levers in the open position. Once the mower has stopped, fully depress the parking-brake pedal to the parking-brake position. Fasten the machine down with approved devices such as bands, chains, or straps.
- Both front and rear tie down straps must be used and directed down and out from the machine.

⚠ WARNING Use extreme caution when loading the machine into a truck or trailer using ramps. There is the possibility of serious injury or death if the machine falls off the ramps.

⚠ WARNING The parking-brake is not sufficient to lock the machine in place during transport. Ensure that the machine is well fastened to the transport vehicle. Always reverse the machine onto the transport vehicle to avoid tipping it over.

- Do not operate this machine on public roadways.
- Check and abide by local traffic regulations before transporting the machine on roads.
- Do not tow this machine, it may cause damage to the drive system.
- To reduce the risk of injury and property damage, NEVER drive this machine up or down the ramp.
- Do not lift! The machine is not intended to be lifted by hand.
- When loading or unloading this machine, do not use more than the maximum recommended operation angle of 15 degrees.

TOWING

- **Do not tow a cart that exceeds 250 lbs. (113 kg) total rolling weight and never exceed 50 lbs. (22 kg) tongue weight.** The weight of the cart and other specifications are included in the owner's manual supplied with your cart.
- **Attach towed cart only to the hitch.** Risk of personal injury or property damage.
- **Never allow children or other persons in or on towed cart.** Risk of personal injury.
- **Do not tow on inclines more than 5 degrees / 9%.** The weight of the towed cart may cause loss of traction, loss of control and the ability to stop when towing on inclined surface.
- **Always use extra caution when towing with your mower.** Make wide turns to avoid jack-knifing. Use care when reversing.
- **Drive at slow speed and allow extra distance to stop.**
- **Do not tow near ditches, canals, and other hazards.** There is a risk of loss of traction or control.
- **Follow all the warnings and instructions provided by the cart manufacturer.** Failure to follow all instructions may result in personal injury or property damage.
- **Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.**

SERVICE

⚠ WARNING Grass bag components, side discharge chute, and mulching plug 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.

- Keep machine in good working order. Replace worn or damaged parts. Periodically check the motor and brakes.
- Use caution when servicing blades. Wrap the blade(s) or wear gloves. Replace damaged blades. Do not repair or alter blade(s).
- Always stop the motor, remove the safety key, and remove or disconnect the battery packs before servicing, cleaning, or removing material from the electric zero turn mower.
- After striking a foreign object, stop the motor, remove the battery packs, allow the blade to stop rotating, and thoroughly inspect the electric zero turn mower for any damage. Repair the damage before operating the electric zero turn mower.
- Have your electric zero turn mower serviced by a qualified repair person using **only** identical replacement parts. This will ensure that the safety of the electric zero turn mower is maintained.
- Follow instructions for changing accessories.
- Keep the electric zero turn mower free from accumulation of grease, dirt, and other possibly combustible materials.
- Keep all nuts, bolts, and screws tight to be sure the electric zero turn mower is in safe working condition.
- 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 the safety device.
- Maintain or replace safety and instruction labels, as necessary.
- 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.
- Do not charge electric zero turn mower in rain, or in wet locations.
- Store idle electric zero turn mower indoors – When not in use, electric zero turn mower should be stored in an indoor, dry, and locked-up place and out of reach of children. **NEVER** store the mower outdoors.
- Turn off and remove key before servicing, cleaning, or removing material from the electric zero turn mower.
- **NEVER** expose battery packs and electrical connections to water.
- **NEVER** use the mower when it was soaked in water.

COIN BATTERY

- The product contains non-replaceable batteries.
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- The type of coin battery: CR2032
- Nominal voltage of the coin battery: 3 V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 140°F (60°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **SEEK immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - 1) This device may not cause harmful interference.
 - 2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

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

SYMBOLS

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

	Safety Alert	Precautions that involve your safety
	Read & Understand Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.
	Maintain Safety Devices	Do not open or remove safety shields while the product is running.
	WARNING — Keep Hands and Feet Away	To reduce the risk of injury, keep hands and feet away from rotating parts. Do not operate unless discharge cover or grass bag is in its proper place. If damaged, replace immediately.
	DANGER — Keep Bystanders Away	Do not mow when children or others are around.
	Never carry children	Never carry children or anyone, even when the blades are off.
	Look behind while backing.	Always look down and behind you before and when maneuvering in reverse or turning around. Make sure children, bystanders, and pets are clear of the area.
	DANGER — Steep slope hazard	Use extra caution on slopes. Do not mow slopes greater than 15 degrees. Do not use on slopes near open water.
	DANGER — Thrown objects	Remove objects that can be thrown by the blade in any direction. Wear safety glasses.
	DANGER — Do not go over the edge or into the water	Stay at least two mowing widths (7 ft/2.13 m) away from any ditches, drop-offs, or water to avoid accidents going over the edge or into the water.

	Bluetooth®	Bluetooth® Symbol
	Ingestion Hazard	This product contains a button cell or coin battery.
IP...	Ingress Protection (IP) Rating	Classifies the degree of protection provided by an enclosure, for electrical equipment.
V	Volt	Voltage
	Direct Current	Type or a characteristic of current
mm	Millimeter	Length or size
in.	Inch	Length or size
Ft-lb	Foot-pound	Torque
Nm	Newton meter	Torque
kg	Kilogram	Weight
lbs	Pounds	Weight
°C	Degrees Celsius	Temperature
°F	Degrees Fahrenheit	Temperature
MPH	Miles per hour	Speed
km/h	Kilometers per hour	Speed
RPM	Revolutions per minute	Rotational speed
PSI	Pounds per square inch	Intensity of pressure
kPa	Kilopascal	Intensity of pressure

NOTE: See the section “**UNDERSTANDING THE ICONS AND INDICATORS ON THE LCD SCREEN**” for additional LCD symbols and operating instructions.

⚠ WARNING To ensure safety and reliability, please contact EGO customer service and all repairs should be performed by a qualified service technician.



INTRODUCTION

Congratulations on your selection of a new generation of EGO 56V Lithium-Ion Electric Zero Turn Mower. It has been designed, engineered, and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact EGO customer service 1-877-346-9876 (1-877-EGO-ZTRM).

This manual contains important information regarding the safe assembly, operation, and maintenance of your product. Read it carefully before using the product. Keep this manual handy so you can refer to it at any time.

SERIAL NUMBER _____ DATE OF PURCHASE _____

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP THEM IN A SAFE PLACE FOR FUTURE REFERENCE.

SPECIFICATIONS

Voltage	56 V 	
Deck Size	42 in. (1067 mm)	
Wheel Size	Front	11 x 4 - 5 in.
	Rear	18 x 8.5 - 8 in.
Cold Tire Pressure	Front	32 PSI (220.6 kPa)
	Rear	7 PSI (48.3 kPa)
Turning Radius	0	
Blade Speed	up to 3200 RPM	
Maximum Driving Speed	Forward	up to 8 MPH (12.8 km/h)
	Reverse	up to 4 MPH (6.4 km/h)
Cutting-Height Adjustment (10 positions)	1.5 – 4.5 in. (38 – 114 mm)	
Maximum Towing Weight (total towing weight)	250 lbs (113 kg)	
Ingress Protection Rating	IPX5* (Protection from water jets)	
Recommended Charging Temperature	41°F – 104°F (5°C – 40°C)	
Recommended Operating Temperature	32°F – 104°F (0°C – 40°C)	
Recommended Storage Temperature	-4°F – 158°F (-20°C – 70°C)	
Weight (without battery pack)	401 lbs (182 kg)	

* **NOTE:** IPX5 rating is based on the machine and battery being used together as a system.

ACCESSORIES

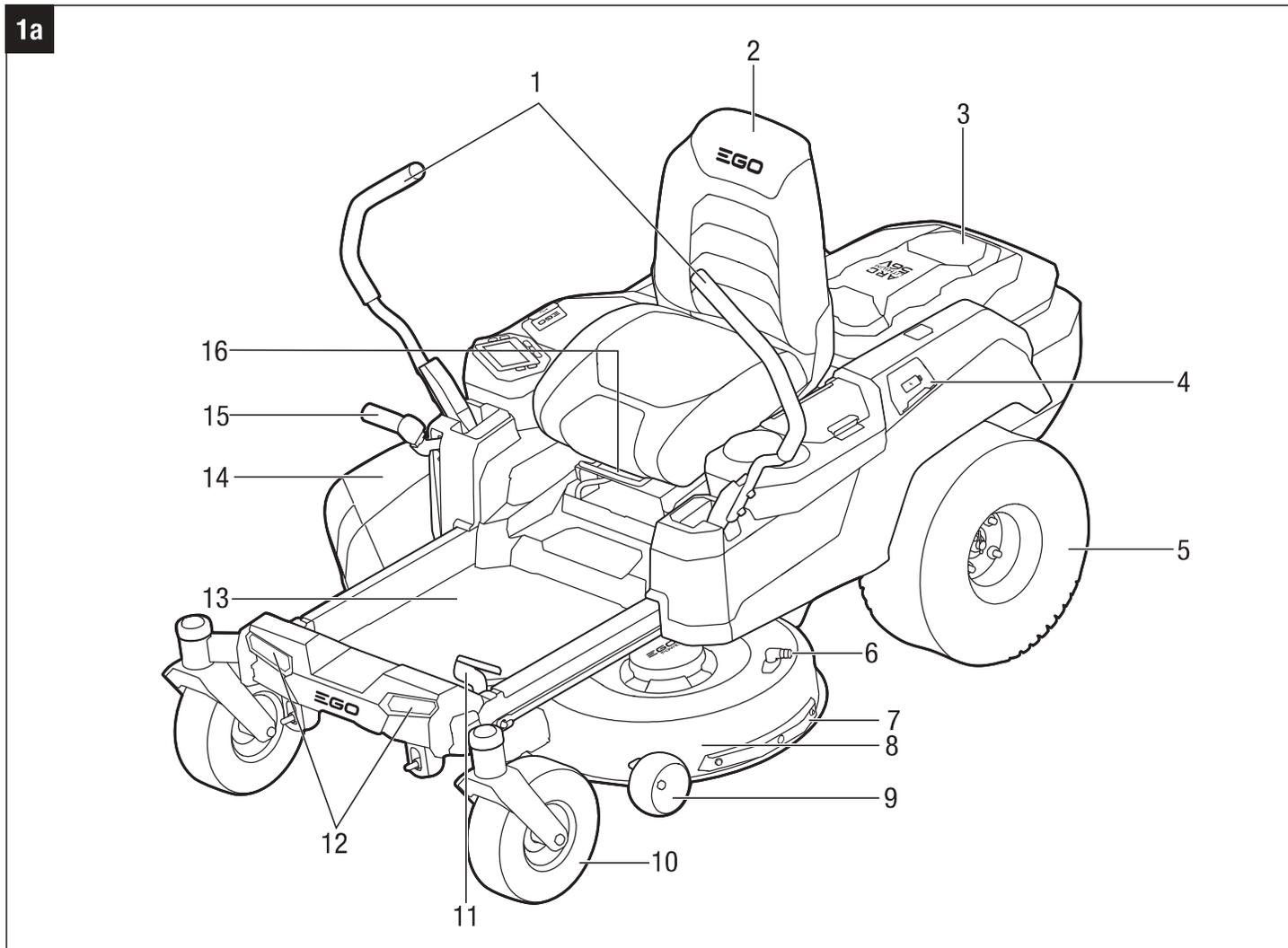
⚠ WARNING Use only accessories listed below. Use of accessories that do not meet the original equipment specifications may lead to improper performance and compromised safety.

PART NAME	MODEL NUMBER
Blade Set	AB4200D
Bagging Blade Set	AB4201D
Mulching Plug	AMP4200
Grass Bagger Kit	ABK4200
Cargo Box	AMG1000
Sun Shade	AMS1000
Rear Bumper	AMB1000
Tow Behind Utility Cart	ADT1000

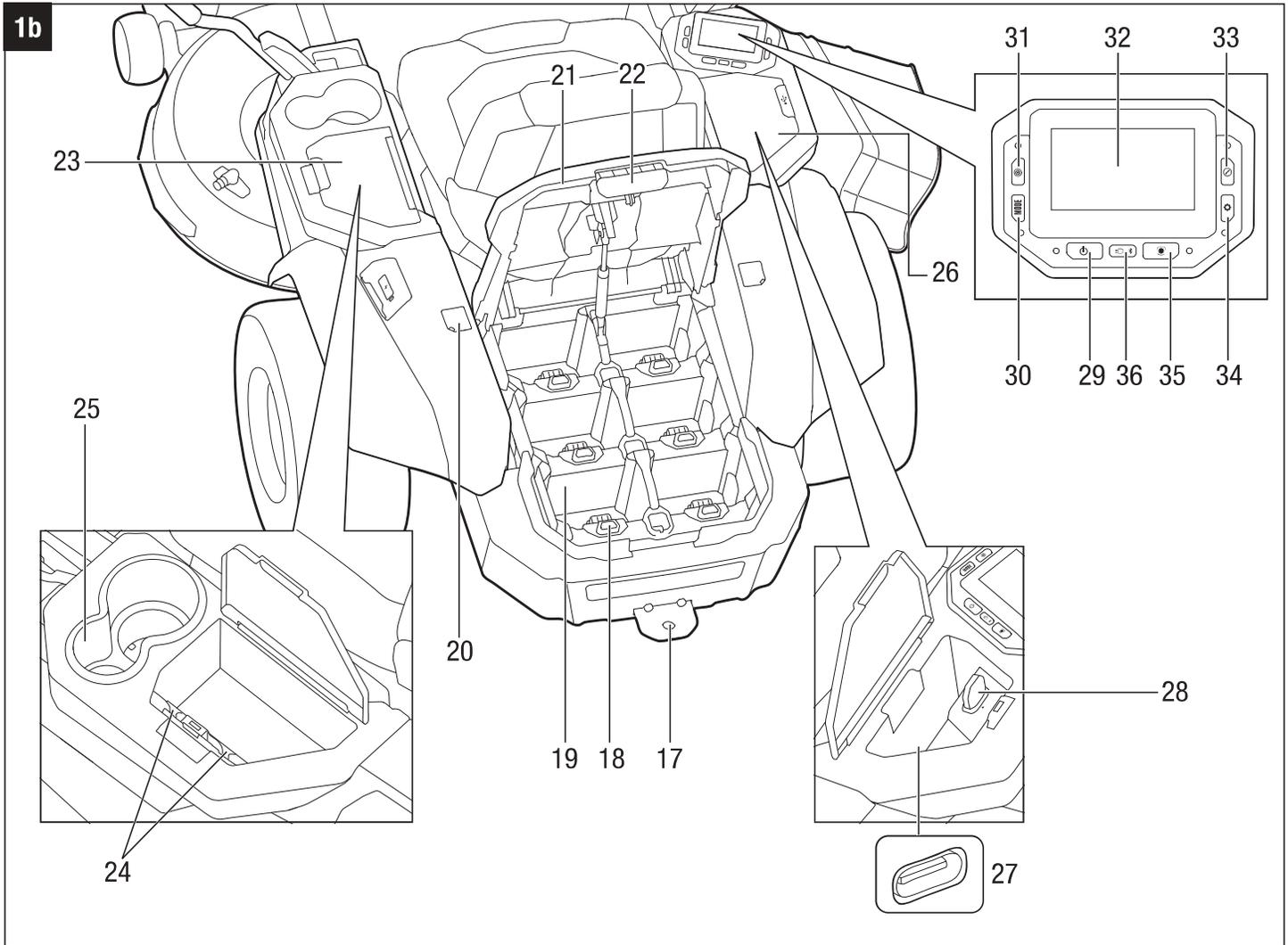
For more information about the latest accessories, please visit: www.egopowerplus.com.

DESCRIPTION

KNOW YOUR ELECTRIC ZERO TURN MOWER (Fig. 1a & 1b)



- | | |
|----------------------------------|------------------------------------|
| 1. Steering Levers (Lap Bars) | 9. Anti-Scalp Wheel (x2) |
| 2. Seat | 10. Front Wheel (x2) |
| 3. Power Unit | 11. Parking-Brake Pedal |
| 4. Charging Port | 12. LED Headlights |
| 5. Rear Wheel (Drive Wheel) (x2) | 13. Foot-Rest Area |
| 6. Wash Port | 14. Side Discharge Chute |
| 7. Deck Protector | 15. Deck-Height Adjustment Lever |
| 8. Deck | 16. Seat Position Adjustment Lever |



- 17. Hitch
- 18. Battery-Release Button
- 19. Power unit with six battery compartments
- 20. Attachment Mounting Cover (x2)
- 21. Power-Unit Cover
- 22. Power-Unit Cover Release Button
- 23. Left Storage Box
- 24. Attachment Mounting Cover Storage
- 25. Cup Holders
- 26. Right Storage Box
- 27. USB-C Port
- 28. Safety Key
- 29. Start/Stop Button
- 30. Driving Mode Button
- 31. Driving Speed Adjustment Button
- 32. LCD Screen
- 33. Blade Speed Adjustment Button
- 34. Settings Button
- 35. PTO Button (Blade On/Off Button)
- 36. LED Headlight Button/Bluetooth Button

⚠ WARNING The safe use of this product requires an understanding of the information on the product and in this instruction manual, as well as knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

Safety Key

The safety key must be inserted before the start/stop button is pressed to start the mower, unless the mower is connected through the EGO Connect app.

Start/Stop Button

- Press the start/stop button briefly, then the LCD screen will display the fuel gauge interface. Press the start/stop button briefly again, then the LCD screen will turn off.
- With the safety key inserted, press the start/stop button for approximately 3 seconds, and the LCD screen will display the operator interface. To turn off the screen, press the start/stop button again for approximately 3 seconds.

NOTE: Without the safety key inserted, you can choose to press the start/stop button to display the fuel gauge interface, unlock the screen through the app, and then press the start/stop button again for approximately 3 seconds to illuminate the LCD screen.

NOTICE: If the LCD screen cannot be turned off after pressing the start/stop button, please remove all battery packs. If the problem cannot be solved, please contact EGO customer service and have repairs performed by a qualified service technician.

- When the LCD screen displays a pop-up window, briefly press the start/stop button to close the pop-up window; when the LCD screen is in the Settings window, briefly press the start/stop button to return to the home menu.

PTO Button (Blade On/Off Button)

When the screen displays any page of the operator interface,

- press the PTO button for more than 3 seconds but not over 8 seconds to turn on the blades. The PTO button light flashes red during the process and shines red after the blades are turned on.
- press the PTO button again to turn off the blades.

NOTICE: It is not recommended to turn on the blade motors when the blades are under heavy load. Raise the deck and restart the blade motors.

NOTE: The PTO button light will also flash red when the blades fail to start normally or the blade motor(s) is overloaded.

LED Headlight Button/Bluetooth Button

- When the screen displays any page of the operator interface, press the button to turn the headlight on or off.
- When the screen displays the fuel gauge interface or any page of the operator interface, and the steering levers are in open position and the blade motors are NOT turned on, press and hold the button to pair your mobile device with the mower via Bluetooth. For more information, refer to section “**USING EGO CONNECT APP WITH YOUR MOWER**”.

Driving Mode Button

This button allows the operator to activate one of the three modes: CONTROL, STANDARD, or SPORT. The modes determine the sensitivity of the mower’s reaction to the movement of the steering levers. For more information, refer to section “**CUSTOMIZING YOUR MOWING AND DRIVING EXPERIENCE**”.

Driving Speed Adjustment Button

Allows the operator to select a comfortable driving speed. For more information, refer to section “**CUSTOMIZING MOWING AND DRIVING SETTINGS**”.

Blade Speed Adjustment Button

Allows the operator to customize the blade speed, depending on grass conditions. For more information, refer to section “**CUSTOMIZING YOUR MOWING AND DRIVING SETTINGS**”.

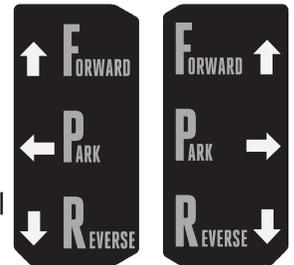
Settings Button

When the steering levers are in the open position and blade motors are not turned on, press the settings button and the LCD screen will toggle between HOME MENU / STATUS / BATTERY STATE OF CHARGE / HISTORY / LANGUAGE / STEERING CALIBRATION / VERSION pages of the operator interface.

When the LCD screen displays a pop-up window, briefly press the settings button to close the pop-up window.

Steering Levers (Lap Bars)

The left and right steering levers control the mower’s speed, direction, stopping (neutral position), and electronic brake (open position).



Parking-Brake Pedal

Depress the parking-brake pedal to lock the mower in the parking-brake position. Press the pedal again to disengage the parking-brake.

Seat Position Adjustment Lever

Use this lever to move the seat forward and backward to the desired position.

Deck-Height Adjustment Lever

The deck-height adjustment lever raises and lowers the cutting deck.

Anti-Scalp Wheels

Prevent the deck from contacting the ground and scalping the lawn when passing over a high spot.

Side-Discharge Chute

Allows the blades to discharge the grass clippings from the side discharge opening.

Hitch

For towing carts or other wheeled attachments. Refer to “**TOWING**” section earlier in this manual.

LED Headlight

Provides light for mowing in low light conditions and allows the mower to be seen.

Cup Holders, Storage Box

Allows operator to store cups, phone, and other personal items.

Attachment Mounting Covers

Protect the attachment-mounting sites when they are not in use.

Charging Port

When used with CHV1600/CHV1600-FC or CHV0800/CHV0800-FC, allows the direct charging of the batteries mounted in the battery compartments.

USB-C Port

The USB-C port provides nominal charging voltage of 5 Volts DC and up to 1.5 Amperes of combined current for your cell phone, MP3 player, or other USB devices. Consult the owner's manual for your device for specific charging requirements.

NOTE:

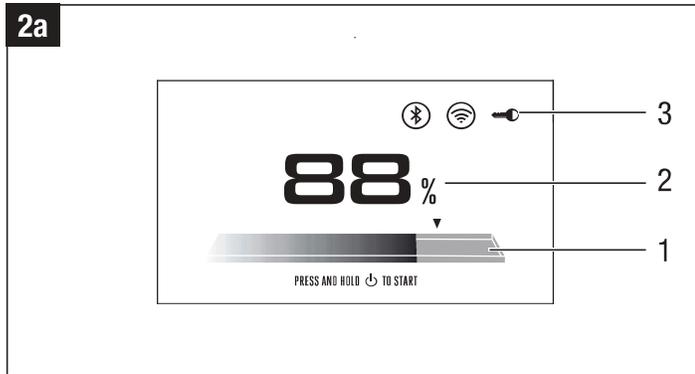
- Attempting to charge incompatible devices could damage the USB-C port and/or the mower.
- The USB-C port is powered only when the mower is powered on and is not in charging mode.

PEAK POWER™

This technology combines the power of up to six EGO 56V ARC Lithium™ battery packs to deliver the power and performance of a gas mower.

UNDERSTANDING THE ICONS AND INDICATORS ON THE LCD SCREEN

FUEL GAUGE INTERFACE (Fig. 2a)

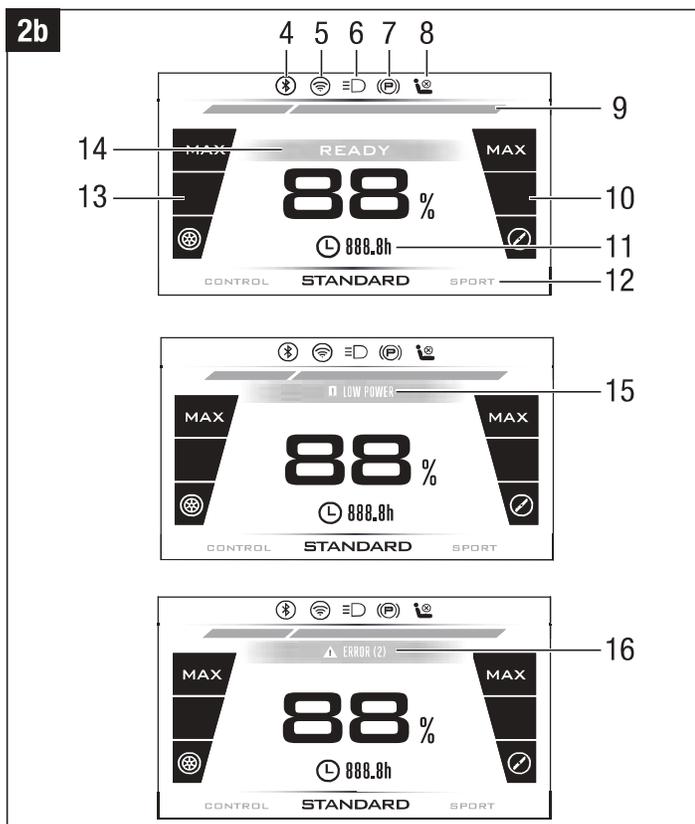


1. Fuel Gauge Indicator
2. Fuel Gauge Percentage
3. Safety Key Icon

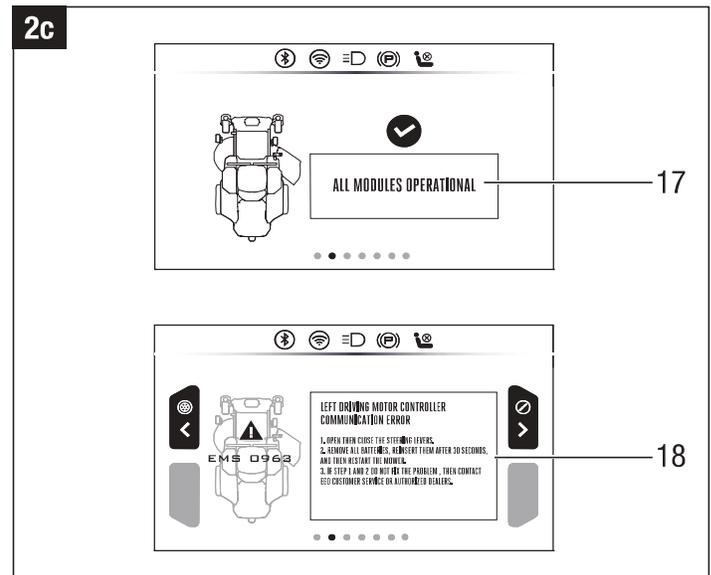
4. Bluetooth® Icon
5. Wi-Fi Icon
6. LED Headlight Icon
7. Parking-Brake Icon
8. Seat Sensor Icon
9. Load Indicator
10. Blade Speed Indicator
11. Hour Meter
12. Driving Mode
13. Driving Speed Indicator
14. Ready Indicator
15. Low Power Alert
16. Fault Warning

OPERATOR INTERFACE

Home Menu Page (Fig. 2b)

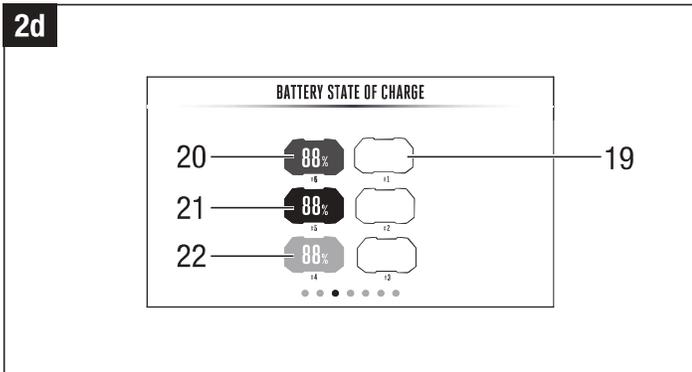


Status Page (Fig. 2c)



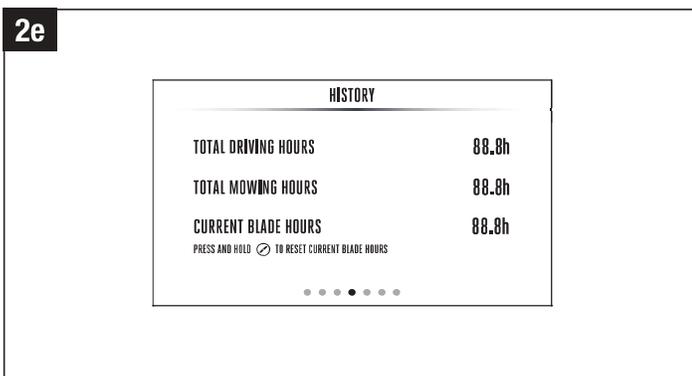
17. Operational Status
18. Module Fault Details (code, description, solution)

Battery State of Charge Page (Fig. 2d)

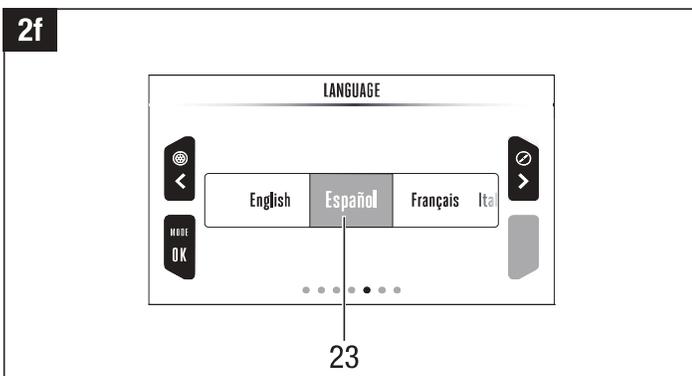


- 19. Vacant Battery Compartment Icon (Light Grey)
- 20. Occupied Battery Compartment Icon (Dark Grey)
- 21. Battery Fault Icon (Red)
- 22. Battery Overheating/Too Cold Icon (Orange)

History Page (Fig. 2e)

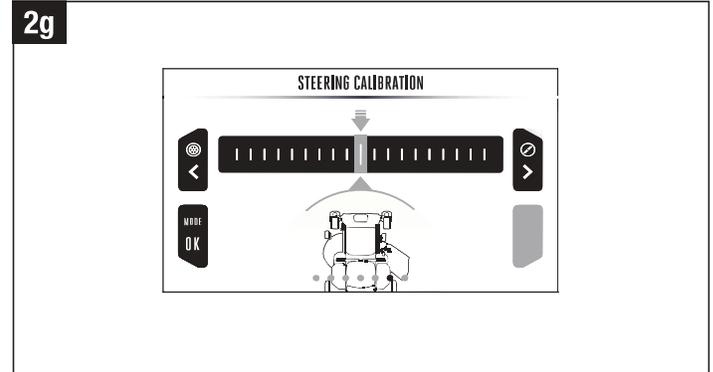


Language Page (Fig. 2f)



- 23. Selected Language

Steering Calibration Page (Fig. 2g)



Version Page (Fig. 2h)



Safety Key Icon

- Displays only on the fuel gauge interface when the safety key is correctly inserted or the screen is unlocked through the app.
- Flashes to indicate the screen should be unlocked by inserting the safety key or through the app.

Bluetooth® Icon

- Displays when the mower has been connected to a mobile device via Bluetooth.
- Turns off when the mower is not connected to a mobile device via Bluetooth.
- Flashes when the mower is pairing with a mobile device via Bluetooth. Refer to the section “**USING EGO CONNECT APP WITH YOUR MOWER**” for more information.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, inc. and any use of such marks by EGO is under license.

Wi-Fi Icon

- Displays when the mower has been connected to Wi-Fi. Refer to the section “**USING EGO CONNECT APP WITH YOUR MOWER**” and follow the app’s instruction to complete the connection.
- Turns off when the mower is not connected to Wi-Fi.

LED Headlight Icon

- Displays when the LED headlight has been turned on.
- Turns off when the LED headlight has been turned off.

Parking-Brake Icon

- Displays when the parking brake is engaged.
- Turns off when the parking brake is disengaged.
- Flashes when the mower stops driving on a slope and the operator is off the seat without setting the parking-brake pedal in the parking-brake position. The audio indicator will emit intermittent beeps. The parking-braking icon will display and the audio indicator will no longer sound as soon as the parking-brake pedal is set in the parking-brake position.

⚠ WARNING Always set the parking-brake pedal in the parking-brake position when the mower stops driving on a slope, otherwise, the mower may slide down the slope, which may cause serious mower damage or personal injury!

Seat Sensor Icon

- Displays when the operator is off the seat.
- Turns off when the operator sits on the seat.

Load Indicator

- The right part of the load indicator indicates the current load of the mower.
- The left part of the load indicator indicates the mower is in the energy-regeneration mode, such as when braking or driving downhill.

Fuel Gauge Percentage & Fuel Gauge Indicator

Indicates the average charge level of the inserted battery packs.

Hour Meter

- Shows the total driving time of the mower, in hours. Use the hour meter to determine when the mower has reached the recommended service intervals.
- Hour meter cannot be reset.

NOTE: The total driving time of the mower can also be seen on the history page.

Ready Indicator

Indicates the mower is ready to move. It displays only when the operator sits on the seat, the parking-brake pedal is disengaged, and the steering levers are folded from the open position to the neutral position.

Driving Mode

Indicates the current driving mode.

Driving Speed Indicator

Indicates the current driving speed.

Blade Speed Indicator

- Displays the current blade speed.
- Flashes red to indicate the blades failed to start normally when the PTO button is activated.

NOTE: Press the PTO button and the indicator will stop flashing.

Low Power Alert / Fault Warning

NOTE: When the low power alert and fault warnings exist at the same time or there are two or more fault warnings, they will display one by one.

- A fault warning might indicate several possible faults by showing “ALERT SYMBOLS + Error”. In this case, the settings button light will flash to remind the operator to press the settings button. Once the settings button is pressed, the display may show a module fault code, a description, and a possible solution.
- A fault warning might also indicate overheating/too cold/overload. A pop-up window with fault details and possible solutions displays on the LCD screen. Press the start/stop button or the settings button to close the pop-up window. The fault warning then displays above the fuel gauge percentage on the home menu page.
- Low power alert indicates the charge of the battery packs is low:
 1. When the battery charge becomes approximately lower than 10%, the LCD screen will display a LOW POWER pop-up window and the audio indicator will beep. The pop-up will close automatically after several seconds. Then the low power alert will display above the fuel gauge percentage.

2. When the battery charge becomes critically low (approximately lower than 3%) while the blades are running, the LCD screen will again display the LOW POWER pop-up window and the audio indicator will beep continuously. Press the start/stop button or the settings button to close the pop-up. Turn off the blades to stop the beeping.
3. When the battery charge becomes critically low (approximately lower than 3%) without the blades turned on, the LCD screen will again display the LOW POWER pop-up window and the audio indicator will beep. Press the start/stop button or the settings button to close the pop-up.

The operator should:

- Press the PTO button to turn off the blade motors.
- Stop working and get to the charging area as soon as possible.

When the battery is nearly depleted, the mower will stop working. The operator will have to transport the mower to the charging area for charging or insert batteries with sufficient charge.

NOTICE If manual pushing is needed, be sure that the batteries are disconnected from the mower and the parking-brake pedal is released from the parking-brake position.

Status Page

Indicates if the mower is operational. If not, the module fault details will display.

Battery State of Charge Page

Indicates the charge capacity and status of the batteries in each battery compartment—vacant battery compartment (light grey), occupied normal battery (dark grey), battery fault (red), overheating/too cold battery (orange).

History Page

Indicates total driving, total mowing, and current cutting blades hours of your mower. Only the cutting blade hours can be reset to be zero by pressing and holding the blade speed adjustment button.

Language Page

1. While viewing the Language page, press the blade speed or driving speed adjustment button to select from the available language.
2. Press the driving mode button to confirm the desired language selection. The selected language will be highlighted green in the center of the screen. Press the start/stop button to return to the home menu.

Steering Calibration Page

To calibrate the steering levers (refer to the section “**CALIBRATING THE STEERING LEVERS**”).

Version

Indicates the current version of your mower.

ASSEMBLY

⚠ WARNING To prevent accidental starting that could cause serious personal injury, always remove the battery pack(s) from the product when assembling parts, cleaning, or performing maintenance.

⚠ WARNING If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

⚠ WARNING Do not attempt to modify this mower or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to serious injury.

A. UNPACKING

⚠ WARNING To reduce the risk of injury or mower damage, do not use a knife to cut the nylon straps. Use scissors or side cutters.

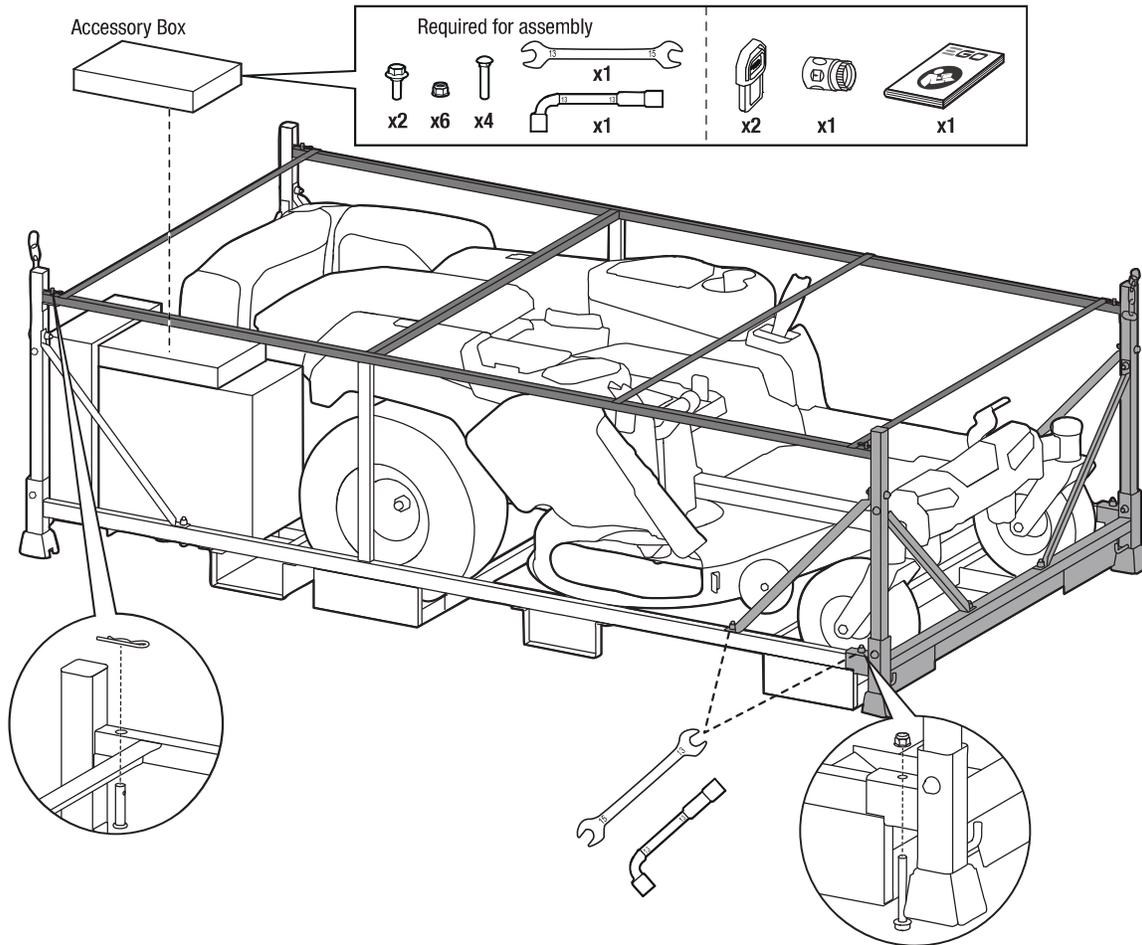
⚠ WARNING To reduce the risk of damage, remove watches or other fragile and valuable items from your wrists. There's a risk of accidental contact with steel frame elements.

Required tools:

- Scissors or side cutters (not supplied)
- Two wrenches (supplied)

NOTE: To simplify and speed up the process, use an impact wrench with a 1/2 inch (13 mm) socket (not supplied).

1. Cut the nylon straps and remove the accessory box located beside the power unit of the mower. The two wrenches inside the accessory box can also be used to remove the frame supports (Fig. 3a).
2. Remove the four sets of cotter pin and shaft pin that hold the four corners of the top supports, and then remove the top supports from the frame (Fig. 3a).
3. Use the 13 mm end of the two wrenches to remove the four sets of bolt and nut that hold the front supports, and then remove the front supports from the frame (Fig. 3a).

3a


4. Remove the plastic cover from the mower.
5. Cut the nylon straps securing the battery and charger boxes, seat, steering levers, and front wheels.
6. Remove the seat assembly, the two steering levers, and the battery and charger boxes (Fig. 3b).
7. Remove and set aside all accessible packaging and wrap material. Do not discard the packing material until you have carefully inspected the product.
8. The mower can be removed from the frame without a ramp. If a suitable full-width ramp is available, position it against the bottom frame, close to the front wheels. Do not exceed the maximum recommended operating angle of 15 degrees. Two pieces of 2x4 lumber help reduce the “drop” from the bottom frame to the ground.
9. Press the parking-brake pedal to release it from the parking-brake position. A significant effort is required to release the parking-brake pedal by hand. Push hard!
10. Carefully lift the front and rear wheels forward out of the wheel wells.
11. Grasp the steering lever mounting poles and the rear part of the mower simultaneously on both sides and slowly push the mower off of the steel frame in the forward direction (Fig. 3b).

⚠ CAUTION Heavy object. Team push required. At least two people are required to lift/push this mower off of the steel frame.

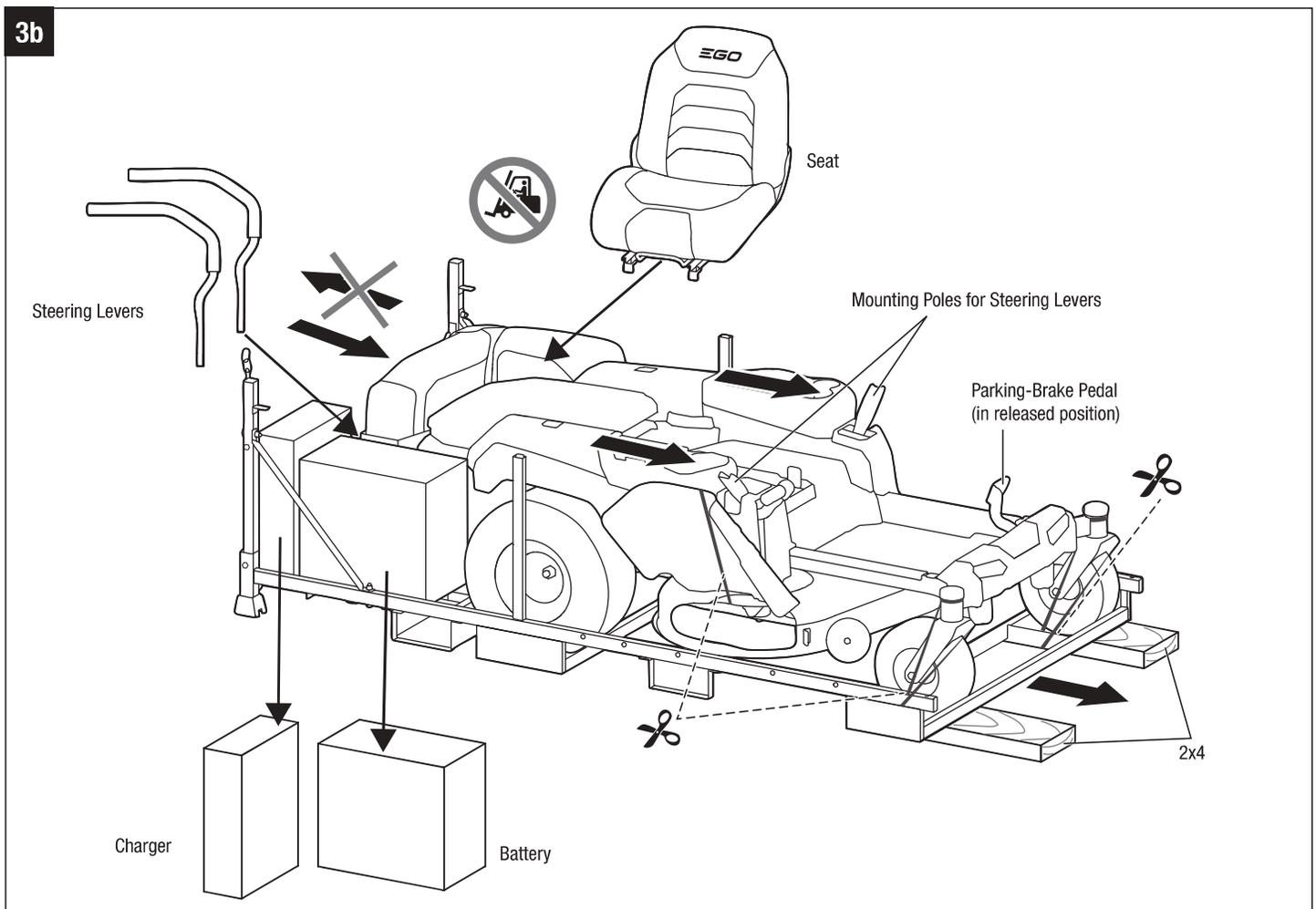
NOTICE ONLY PUSH THE MOWER FORWARD. Pulling the mower backward from the steel frame may cause damage to the mower's cutting deck. Always remove the mower from the frame in the forward direction!

NOTICE The mower must always be transported on the bottom shipping frame! The forklift should never come in direct contact with the mower! Doing so may cause damage. We recommend keeping the bottom shipping frame to facilitate transportation of the mower for future service.

12. Cut the nylon strap securing the side discharge chute once the mower is on the ground.

⚠ WARNING Do not use this product if any parts are already assembled to your product when you unpack it. Parts on the packing list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.

- Inspect the product carefully to make sure that no breakage or damage occurred during shipping.
- If any parts are damaged or missing, please contact EGO customer service.



PACKING LIST

PART NAME		FIGURE	QUANTITY
Electric Zero Turn Mower			1
Seat Assembly	Seat		1
	M8x25 Step Bolt		2
	M8 Nut		2
Steering lever Assembly	Steering Lever		1
	M8x40 Square Neck Bolts		4
	M8 Nut		4
Open-end Wrench (13mm/15mm)			1
Socket Wrench (13mm/13mm)			1
Wash-port Quick Coupler			1
Safety Key			2
Operator's Manual			1

B. INSTALLING THE SEAT

The mower incorporates a safety interlock system that will stop the drive motors and blade motors when the operator is unseated for any reason while the mower is operating. This is a safety feature designed to prevent runaway or accidental entanglement.

Required tools (supplied): two wrenches

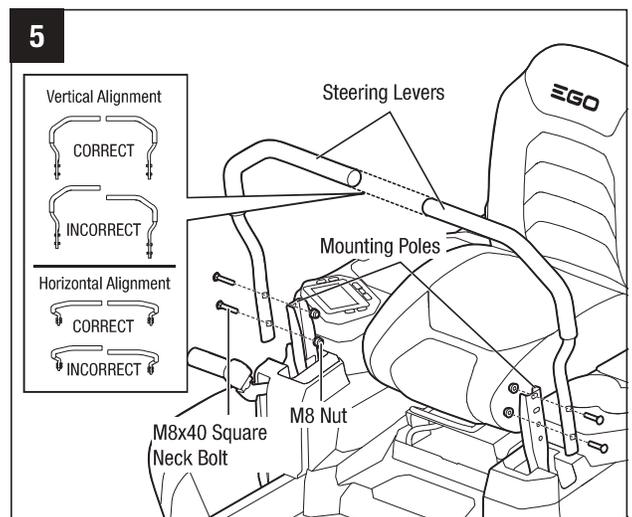
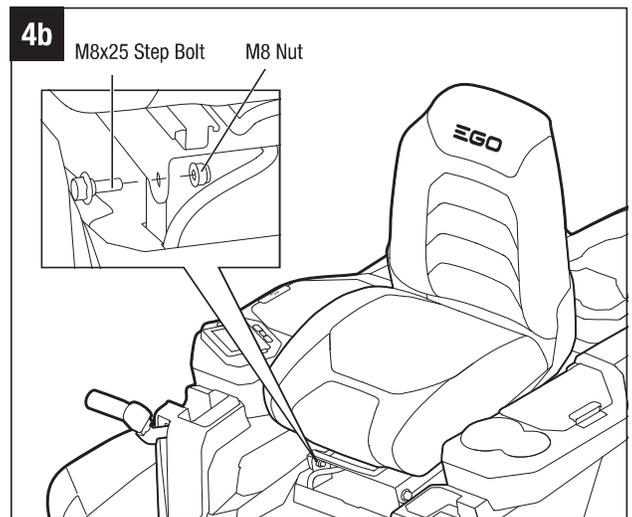
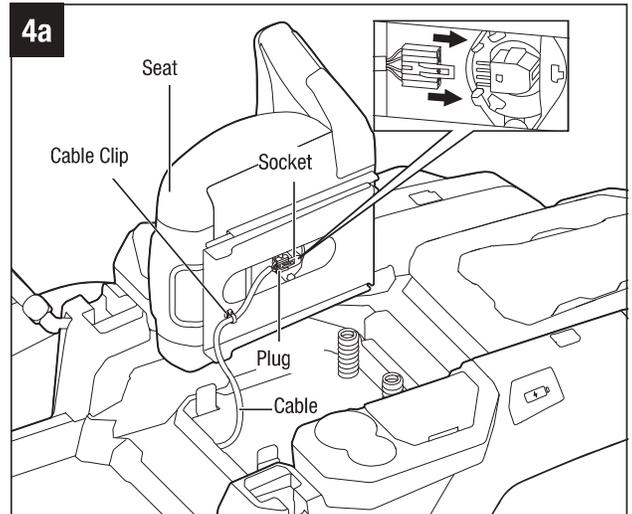
1. Remove the two M8x25 step bolts and two M8 nuts from the accessory box and set them aside.
2. Lay the seat on its side and insert the cable plug into the socket on the bottom of the seat (Fig. 4a). This connects the safety interlock system. Then secure the cable by the cable clip.
3. Place the seat closely against the front of the suspension base and align the two mounting holes with the holes in the suspension base.
4. Insert the two sets of step bolt and nut and securely tighten them using the two wrenches (Fig. 4b). The recommended torque is 14–15 ft-lb (19–20 Nm).

C. INSTALLING THE STEERING LEVERS (Fig. 5)

Required tools (supplied): one socket wrench

1. Remove four M8x40 square neck bolts and four M8 nuts from the accessory box and set them aside.
2. Lift one of the steering levers to align the holes in the steering lever with the holes in one of the mounting poles. Select the preferred steering lever operating height:
 - Upper hole and lower middle hole in the mounting pole;
 - Lower hole and upper middle hole in the mounting pole.
3. Insert the two sets of square neck bolts and bolts to attach the steering lever to the mounting pole and securely tighten them using the socket wrench. The recommended torque is 13–15 ft-lb (18–20 Nm).
4. Attach the other steering lever in a similar fashion using the same upper or lower holes as the first steering lever. **NEVER** install the steering levers at different heights.

NOTICE There is some clearance in the mounting holes to allow for a minor difference in the forward position of the left and right steering levers. Adjust the levers to align with each other when in the neutral position. This should be done before Steering Lever Calibration.



D. CHECKING THE TIRE PRESSURE (Fig. 6)

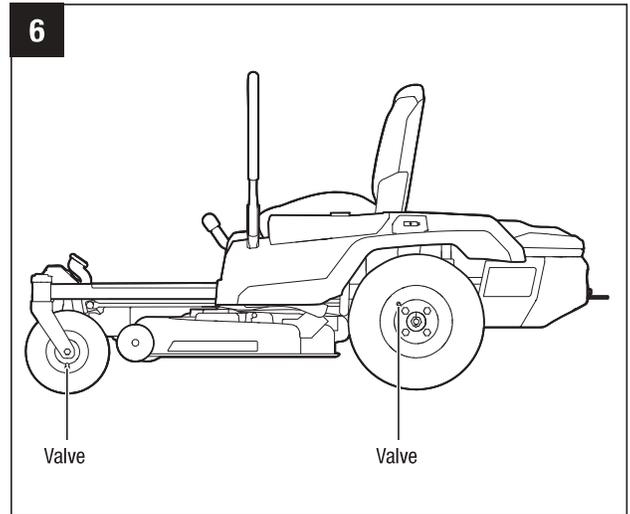
Required tools (not supplied): Tire pressure gauge; air compressor / inflator or heavy-duty bicycle pump

Check the air pressure in all tires before use. Improper air pressure will affect handling, steering response, traction, tire life, level cutting, and operator comfort. Be sure tires are inflated to the pressure shown below.

It is important for level mowing that all tires have the correct amount of air pressure. If the mower is not tracking straight, please check the air pressure of the wheels first.

NOTE: Tire pressure should only be measured or adjusted when tires are cold.

Recommended Pressure	
Front Wheels	Rear Wheels
32 PSI (220.6 kPa)	7 PSI (48.3 kPa)



⚠ WARNING Check the tire pressure carefully while inflating. Too much air in the tire could cause the tire to burst, causing serious personal injury.

⚠ WARNING Maintaining correct air pressure in the tires is very important. Too little pressure could allow the tire to rotate off the wheel rim. Too much pressure could cause the tire to burst. Failure to maintain correct air pressure in the tires could cause problems with mower operation and stability, causing serious personal injury.

E. TESTING THE SAFETY INTERLOCK SYSTEM

Inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until any missing or damaged parts are replaced.

The mower incorporates a safety interlock system consisting of the seat switch, electronic brake switch, and blade switch. It will stop the drive motors and blade motors when the operator is unseated for any reason while the mower is operating. This is a safety feature designed to prevent runaway or accidental entanglement. Test the system to be sure it is working correctly.

⚠ WARNING Check the mower safety start interlock system prior to operation. This system is an important mower safety feature. It should be repaired immediately if it malfunctions: call EGO customer service immediately.

⚠ WARNING The safety start interlock system must not be disconnected or bypassed. Doing so could cause the mower to operate unexpectedly, resulting in personal injury.

TO TEST THE BLADE OPERATION

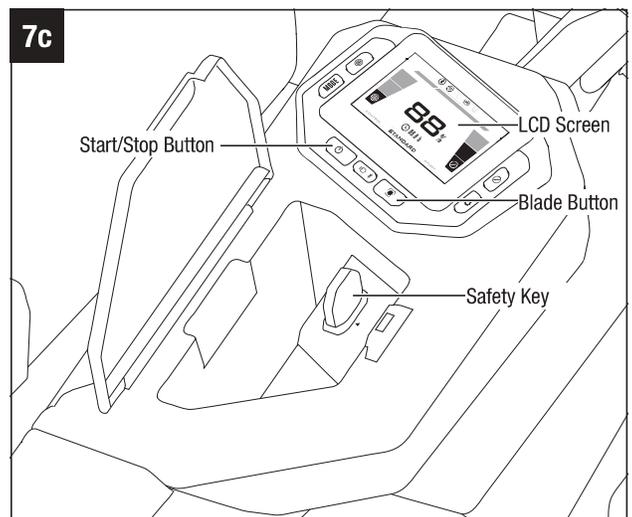
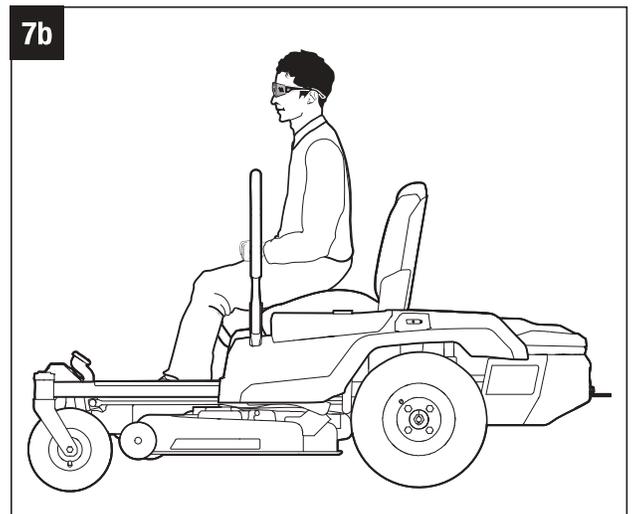
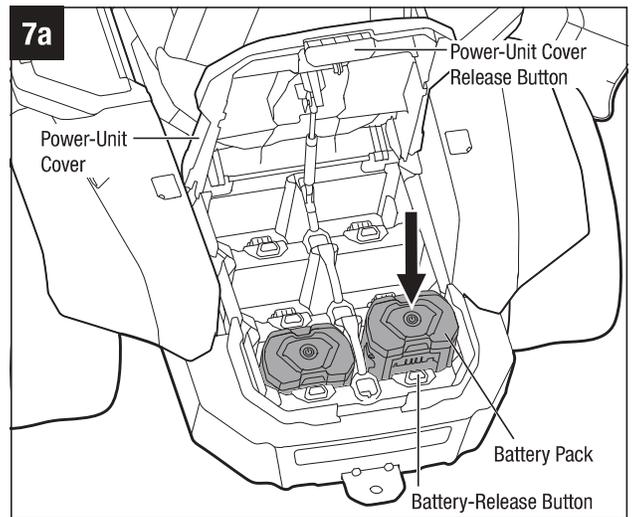
1. Position the mower on a level surface.
2. Remove the battery packs from the box.
3. Insert battery packs (Fig. 7a):
 - a. Unlock the power-unit cover by grasping the power-unit cover release button and pressing it slightly inward.
 - b. Start lifting the power-unit cover until the spring-assisted strut engages and fully opens the power-unit cover.
 - c. Insert at least the minimum recommended capacity of batteries into the battery compartments until they audibly lock in place.
 - d. Close the cover.
4. Pick up one of the safety keys and sit down on the mower seat (Fig. 7b).
5. Insert the safety key into the mower and press and hold the start/stop button for approximately 3 seconds to turn on the LCD screen. The LCD screen will display the operator interface (Fig. 7c).
6. Press the PTO button for more than 3 seconds but not over 8 seconds to turn on the blades (Fig. 7c).
7. Slowly raise yourself off the seat, but do not get off the mower. The blade motors should stop. The PTO button light and the blade speed indicator will flash red.

NOTICE If the deck-blade system fails to stop when the operator is off of the seat:

- a. Press the PTO button to turn off the blade motors. The PTO button light and the blade speed indicator will stop flashing.
- b. Disconnect the safety key and battery packs.
- c. Verify that the cable socket and the plug are properly connected. Refer to step 2 in section “**INSTALLING THE SEAT**”.

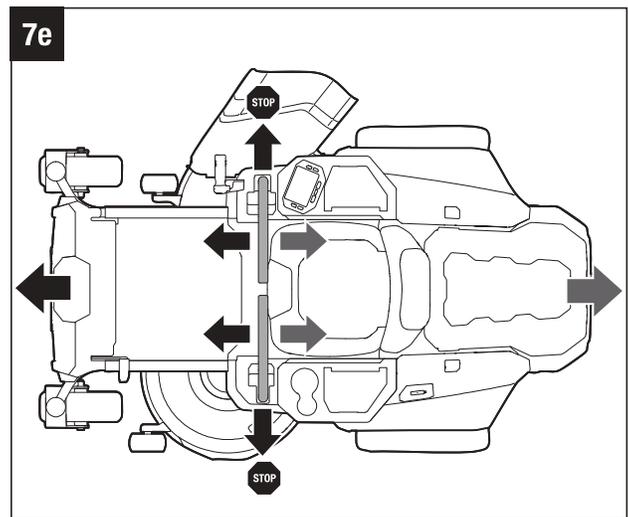
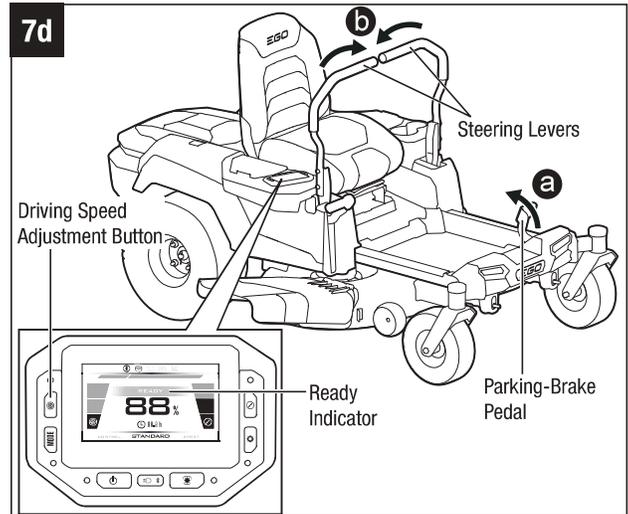
If the cause cannot be determined after confirming the plug and socket connection of the seat is properly connected, contact EGO customer service immediately.

⚠ WARNING DO NOT operate the mower until the safety interlock system has been repaired by a qualified service technician.



TO TEST-DRIVE THE MOWER

1. Sit on the mower seat and turn on the LCD screen so that it displays the home menu page of the operator interface.
2. Press the driving speed adjustment button to set the driving speed to the slowest available.
3. Depress the parking-brake pedal and then release it to disengage the mechanical parking brake (a).
4. Move (fold) the steering levers from the sides and close them together to the neutral position (b). The ready indicator will display on the LCD screen (Fig. 7d).
5. Push both steering levers forward to drive the mower forward. Pull both steering levers backward to drive backward (Fig. 7e).
6. While the mower is moving, slowly raise yourself off of the seat. The driving system should stop.



NOTICE If the driving system fails to stop when the operator is off of the seat:

- a. Stop the mower by returning the steering levers to the neutral position. Unfold the steering levers to the outward, open position.
- b. Depress the parking-brake pedal to engage the brake.
- c. Disconnect the safety key and battery packs.
- d. Verify that the cable socket and the plug are properly connected. Refer to step 2 in section “**INSTALLING THE SEAT**”.

If the cause cannot be determined after confirming the plug and socket connection of the seat is properly connected, contact EGO customer service immediately.

⚠ WARNING DO NOT operate the mower until the safety interlock system has been repaired by a qualified service technician.

F. REGISTERING YOUR PRODUCT

Please take a moment to register your mower by visiting www.egopowerplus.com/your-ego or through the EGO Connect app.

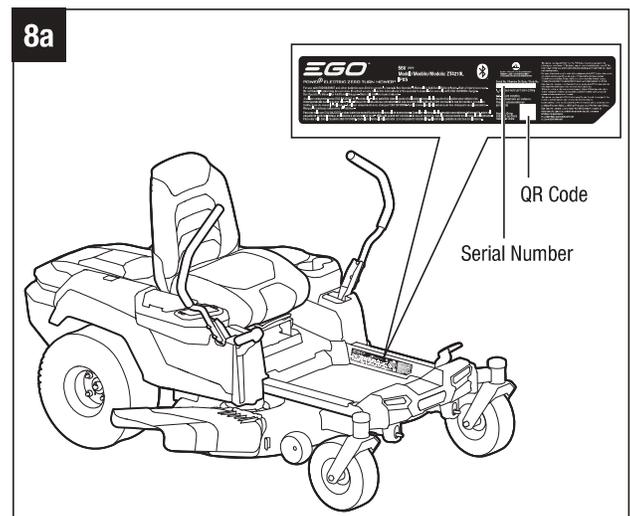
G. USING EGO CONNECT APP WITH YOUR MOWER

Unlike gas-powered mowers, your EGO electric zero turn mower uses a state-of-the-art on-board computer to monitor every element of the machine and make sure that the mower is running smoothly. EGO engineers periodically release updates for the mower's firmware – an operating system running the on-board computer. In many cases, mower performance enhancement or service updates can be achieved with updates of the mower firmware through the EGO Connect app.

Install the EGO Connect app on your smartphone or tablet and check for firmware updates at least once per year. The EGO Connect app can be downloaded for free on the Apple App Store or Google Play.

TO INSTALL AND SET UP THE APP

1. Download the EGO Connect app from App Store for iOS devices such as iPhone or from Google Play for Android devices.
2. Make sure that Bluetooth is enabled on your device and your device is connected to internet.
3. In the app, press "LOG IN" if you already have an account or "SIGN UP" and follow the steps to create a new account.
4. Press the start/stop button on the mower to display the fuel gauge interface or the operator interface.
5. In the app, tap the "Home" page, then tap "+ ADD" and follow the app's instructions to connect to the mower via Bluetooth and/or scan its QR code. The location of the QR code and Serial Number is shown in Fig. 8a. If the app fails to scan the QR code, you will be prompted to manually enter the serial number. The app will add your mower under "MY DEVICE" on the Home page.
6. Follow the app's instructions to connect to the mower.



TO UPDATE THE FIRMWARE

Follow the app's instructions to complete the firmware update and the screen will enter the update interface (Fig. 8b). When the update is complete the LCD screen will return to the fuel gauge interface and the mower will turn off after 5 minutes of inactivity. For more information about the app's functionality and features, please refer to the instructions inside the latest version of the app.



OPERATION

⚠ WARNING Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

APPLICATION

You may use this product for the purpose listed below:

- Mowing your lawn

ADJUSTMENT

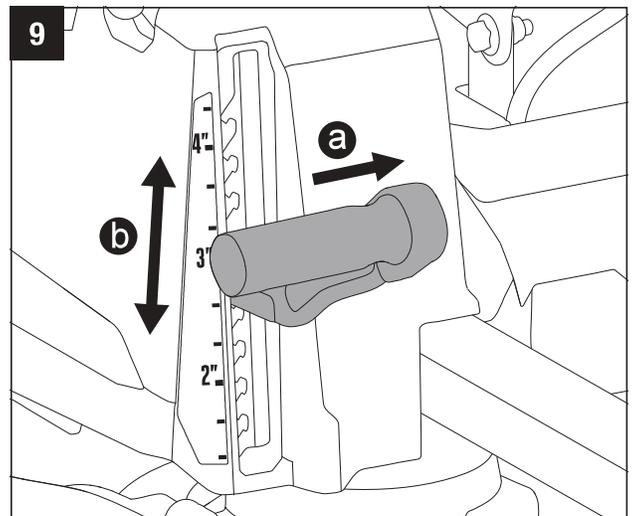
⚠ WARNING Before performing any adjustment, stop the mower on a level surface and wait for the blades to come to a complete stop. Unfold the steering levers to the open position, fully depress the parking-brake pedal to engage the parking brake, then remove the safety key and battery packs to avoid accidental starting and possible serious personal injury.

Adjusting the Deck Cutting Height (Fig. 9)

NOTE: Before using the mower, the operator should adjust the deck height to the cutting position best suited for the lawn.

NOTE: To prevent scalping the lawn when encountering high spots, the two anti-scalp wheels can be adjusted when the mower is at the desired cutting height. Depending on your desired cutting height, you may need to change the position of the anti-scalp wheels. Please refer to the “Adjusting the Anti-Scalp Wheels” section in this manual.

1. Make sure that the batteries have been removed from the mower before making any adjustments.
2. Grasp the deck-height adjustment lever and move it outward to disengage it from the detent (a).
3. Move the lever downward to decrease the cutting height or upward to increase the cutting height (b). Engage the lever into the detent when it arrives at the desired cutting height.



NOTICE Prior to mowing, the deck should be adjusted to sufficient height to avoid stumps, rocks, or other obstacles that can damage the mower deck.

⚠ DANGER Never attempt to make any adjustments to the mower deck while the mower is driving or the blade motors are turned on. Mower blades cannot be seen and are located very close to the deck housing. Fingers and toes can be cut off instantly.

⚠ WARNING Hold the deck-height adjustment lever firmly when setting the deck height and only release when it is securely engaged in the desired detent. Quickly letting go of the lever may create a pinching or pulling hazard to the operator’s hand.

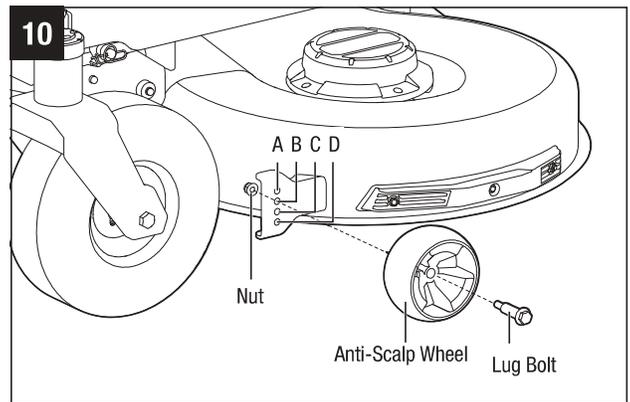
Adjusting the Anti-Scalp Wheels (Fig. 10)

Required tools (supplied): two wrenches

The anti-scalp wheels are designed to minimize the chance of scalping the lawn when mowing on rough, uneven terrain. After setting the cutting height, adjust the anti-scalp wheels so they extend below the deck but do not contact the ground.

The anti-scalp wheels can be set in one of four positions:

4"	Position A: less than 2" (51 mm) grass cutting height
3"	Position B: 2" – 3" (51 – 76 mm) grass cutting height
2"	Position C: 3" – 4" (76 – 102 mm) grass cutting height
1"	Position D: greater than 4" (102 mm) grass cutting height



The anti-scalp wheels are held in place by one nut and lug bolt each.

1. Raise the deck to the desired cutting height.
2. Use the socket wrench to stabilize the nut first and then loosen and remove the lug bolt on the other side using the 15 mm end of the open-end wrench.
3. Move the anti-scalp wheel to the desired position. Then tighten the lug bolt and nut securely with the wrenches. The recommended torque for the lug bolts is 22–26 ft-lb (30–35 Nm).
4. Repeat with the other anti-scalp wheel, making sure both wheels are installed in the same position.

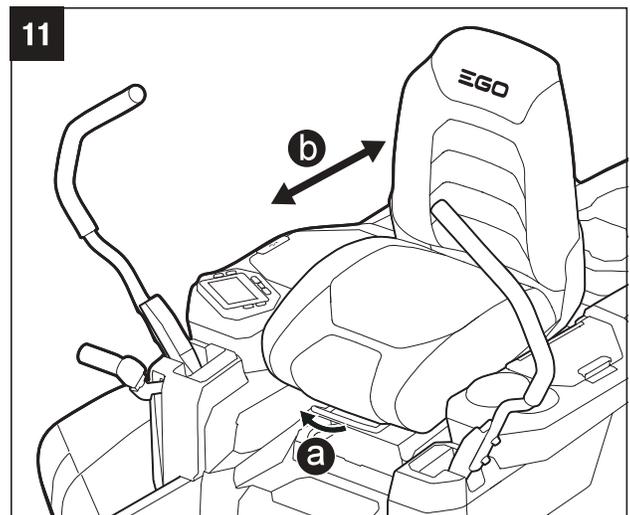
Adjusting the Seat (Fig. 11)

⚠ DANGER Be sure the seat is secured to the mower with the step bolts before operating the mower. A seat that is not secure can cause the operator to lose control of the mower and result in possible death or serious personal injury.

Adjust the seat position to ensure you are able to make firm contact with the parking-brake pedal before operating the mower.

The seat can be adjusted forward and backward by lifting the seat position adjustment lever under the seat.

- 1 Lift the seat position adjustment lever and hold it (a), then move the seat forward or backward to the desired position (b).
- 2 Release the seat position adjustment lever and ensure that the seat is locked in position.



SETTING THE PARKING BRAKE (Fig. 12)

The parking-brake pedal can be used to set the mower in the parking-brake position. To start the mower, it should be released from the parking-brake position.

To set the parking brake:

- 1 Stop the mower on a level surface.
- 2 Use your left foot to fully depress and hold the parking-brake pedal until the pedal stops rebounding.
- 3 Release the parking-brake pedal. Remove your foot from the parking-brake pedal.

To release the parking brake, depress the parking-brake pedal once again; the pedal will rebound to the released position.

⚠ WARNING Never leave the mower unattended during work breaks without verifying that the parking brake is set and the safety key is removed. Failure to set the parking brake could cause the mower to move. Leaving the safety key in place may allow unauthorized use that could result in serious personal injury.

ATTACHING/DETACHING THE BATTERY PACK

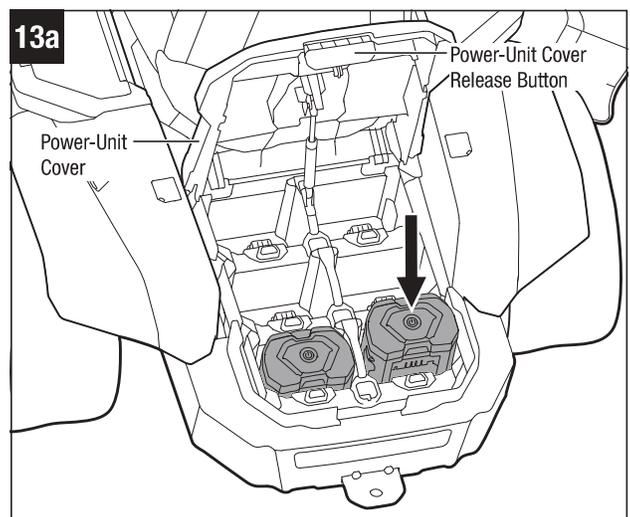
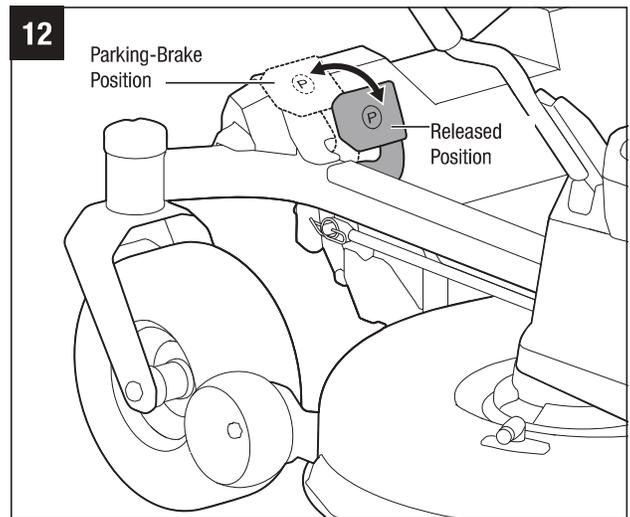
Charge the battery pack(s) before first use!

NOTICE This mower may not function or may experience decreased performance at battery capacities less than 20Ah. For best performance, we recommend use of EGO batteries that total 30Ah or greater.

When not in use, EGO 56V battery packs should be stored in an enclosed area where the temperature will not drop below -4 °F (-20 °C). Optimal charging temperatures are between 41 °F (5 °C) and 104 °F (40 °C).

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

1. Unlock the power-unit cover by grasping the power-unit cover release button and pressing it slightly inward.
2. Start lifting the power-unit cover until the spring bar engages and fully opens the power-unit cover. The EGO electric zero turn mower is equipped with six battery compartments to accommodate up to six battery packs at the same time.
3. Align the grooves in the battery pack with the raised ribs in the battery compartment, and then insert the battery pack into the compartment.
4. Push the battery pack until you hear a “click”. The battery release button will spring up when the battery pack is securely attached (Fig. 13a).
5. Attach more battery packs into the remaining battery compartments in the same way.



6. To detach the battery pack, depress the battery-release button to release the battery pack, and then lift it out of the compartment (Fig. 13b).
7. Close the power-unit cover until you hear a clear “click”, indicating that the power-unit cover release button is engaged.

CHARGING

⚠ WARNING Do not attempt to drive across roads or railways when battery charge level is low.

NOTICE DO NOT attempt to charge the batteries or the mower with a charger not designed for use with this product.

There are two ways to charge the mower:

Charging the Batteries Separately

Remove the batteries from the mower and charge the batteries separately with EGO chargers. Please follow the instructions in the Operator’s Manual for the EGO standard chargers.

NOTE: There are individual manuals for EGO batteries and chargers. Save the instructions - The manuals contain important safety and operating instructions for the batteries and chargers.

Charging the Batteries via Charging Port (Fig. 14)

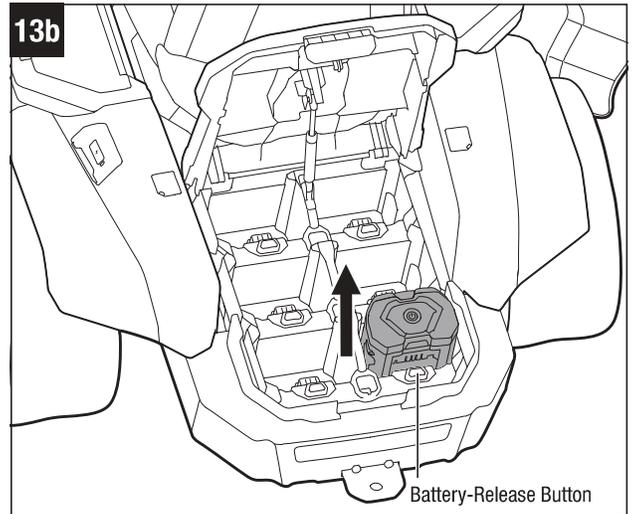
EGO battery charger CHV1600/CHV1600-FC or CHV0800/CHV0800-FC is available for charging the EGO electric zero turn mower directly while the batteries are installed in the mower.

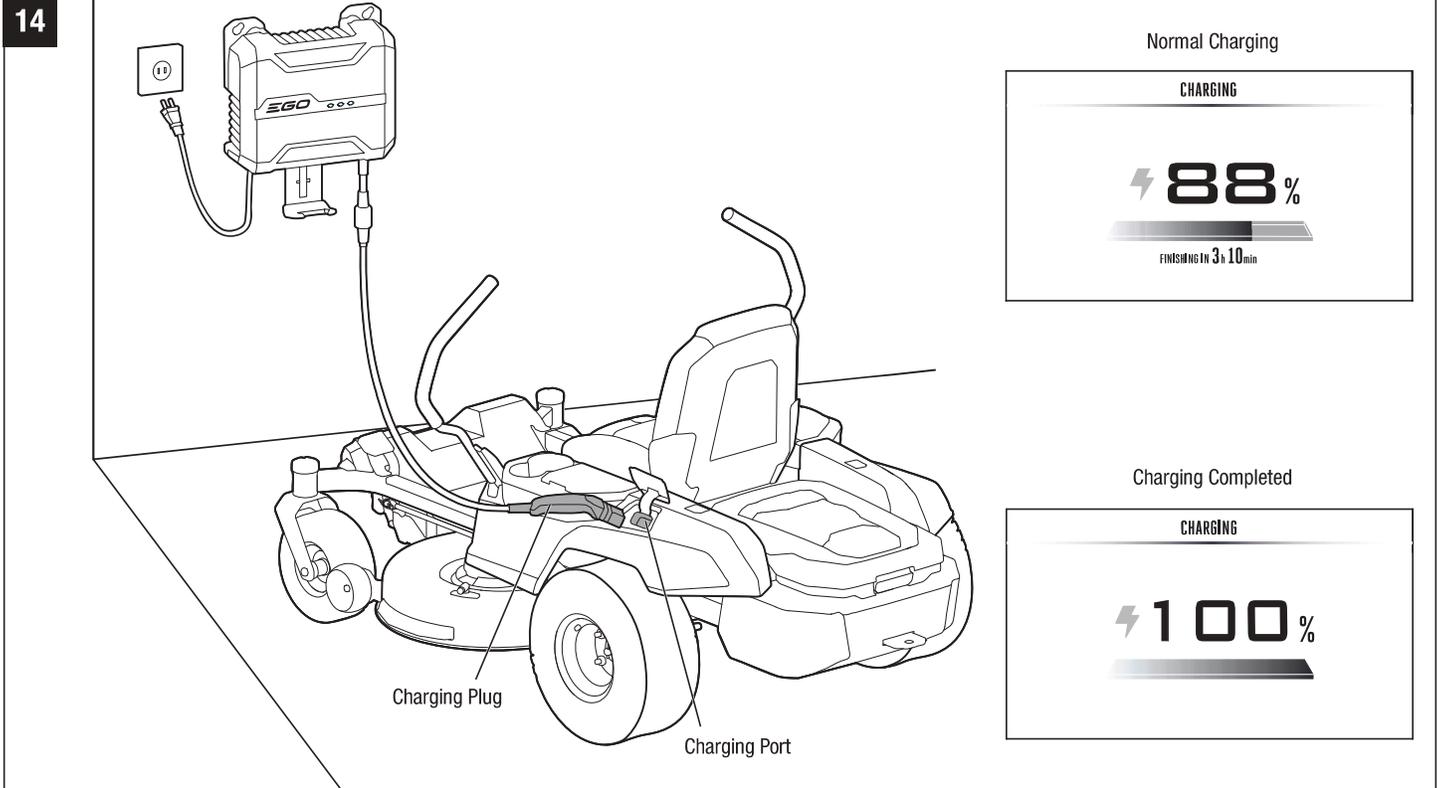
The battery charging port is located on the left housing of the mower, next to the left storage box.

1. Make sure that the mower comes to a complete stop, unfold the steering levers to the open position, remove the safety key, and engage the parking brake.
2. Lift the dust cap from the battery charging port on the mower and connect the charger plug into the port.

NOTE: Plug will only fit one way into the port. Make sure it is properly aligned before inserting.

3. Plug the other end of the charger into a 120V household outlet.
4. The charger will begin to charge the batteries. While charging, all buttons excluding the PTO button will light up.
5. Once the LCD screen displays that the batteries are 100% charged, disconnect the charger from the wall outlet and remove the charger plug from the charging port. The LCD screen will display the fuel gauge interface, and the mower will turn off after 5 minutes of inactivity.
6. The dust cover of the charging port will close automatically to protect the charging port from water, moisture, and dust.





⚠ WARNING Please refer to the individual charger manual for detailed instructions. Read and understand all its safety warnings and instructions. Failure to follow them may result in electric shock, fire, and/or serious injury.

⚠ WARNING Do not smoke while charging the mower with the batteries installed.

⚠ WARNING The mower should be charged in a covered area out of the rain or indoors.

NOTE:

- EGO lithium-ion batteries do not develop a memory and do not need to be fully discharged before recharging.
- Every six months of long-term storage, fully charge the lithium-ion battery pack for longest possible battery life.
- When charging, be sure that the charger cooling fan inlet and outlet are not blocked.

CHECKLIST BEFORE STARTING THE MOWER

- Ensure that the work area is clear of children, bystanders, and pets.
- Clear the work area of objects that may be thrown by the mower blades.
- Clean debris from the mower.
- Check for loose fasteners.
- Check to make sure that all guards are in place and working properly.
- Visually check that the tires are properly inflated (see section “**CHECKING THE TIRE PRESSURE**” in this manual).
- Check the brake operation.

- Adjust the deck height to the desired cutting position best suited for the lawn and adjust the anti-scalp wheels accordingly.
- Adjust the seat position and make sure the parking-brake pedal can be reached.
- Verify the battery charge level.
- Test the safety interlock system (see section “**TESTING THE SAFETY INTERLOCK SYSTEM**” in this manual).

STARTING THE ELECTRIC ZERO TURN MOWER

Operating a zero turn mower is different from operating a standard riding mower. Zero turn mowers are rear-wheel drive and the wheels operate independently as directed by the position of the steering levers. Before you begin to mow your grass, we strongly encourage you to find a large, level, and open area to practice operating the mower using the instructions that follow. Once you can comfortably and reliably perform each of these maneuvers, you are ready to begin mowing.

⚠ WARNING Clear the area of bystanders before operating the mower. If anyone enters the mowing area, stop immediately and do not continue mowing until the bystanders leave the area.

⚠ DANGER Avoid sudden starts, stops, and turns, as well as excessive speed, especially when first learning to operate the mower. The mower can spin rapidly, which may cause you to lose control and could result in death, serious personal injury, and/or damage to the mower. Set the driving speed at the lowest level (refer to “To Select Your Driving Speed Level” in this manual) to limit the amount of speed available until you are fully capable of operating the mower in all situations.

To Start Driving (Fig. 15a)

1. Position the mower on a level surface.
2. Sit on the mower seat.
3. Insert the safety key (a), then press the start/stop button (b) for approximately 3 seconds to illuminate the LCD screen.

NOTE: Without the safety key inserted, you can choose to press the start/stop button to display the fuel gauge interface, unlock the screen through the app, and then press the start/stop button again for approximately 3 seconds to illuminate the LCD screen.

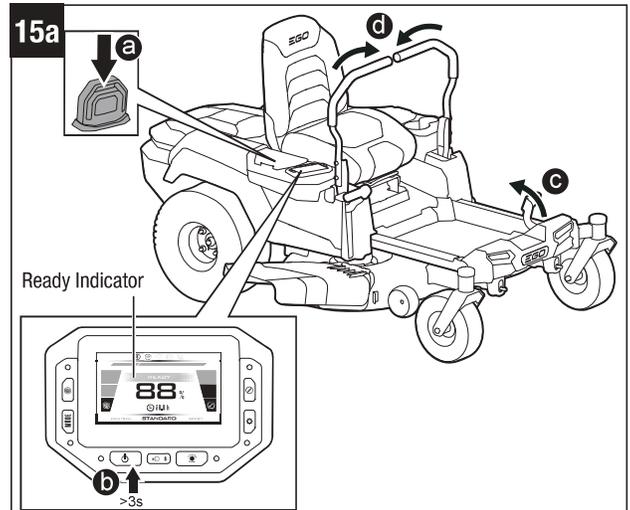
4. Set the appropriate driving mode and driving speed.

NOTE: It is always recommended to start the mower in the lowest driving speed.

5. Release the parking-brake pedal from the parking-brake position (c) and then move the two steering levers inward from the open position to the neutral position (d). The ready indicator will display on the LCD screen. You are now ready to maneuver the steering levers to drive the mower.

NOTE:

- The ready indicator will not display if the parking-brake pedal is released after folding the steering levers. In this case, unfold the steering levers and fold them again. The ready indicator will display.



- When you leave the seat, the ready indicator will disappear from the LCD screen. Sit back on the seat, unfold the steering levers to the open position, and then move them inward to the neutral position. The ready indicator will display again.
6. Push the steering levers forward for forward motion and pull back for reverse motion.

To Start Mowing (Fig. 15b)

NOTE: The cutting blades can be started even if the mower is not ready to drive.

1. Position the mower on a level surface and set the desired cutting height.
2. Sit on the mower seat.
3. Insert the safety key (a), then press the start/stop button (b) for approximately 3 seconds to illuminate the LCD screen.

NOTE: Without the safety key inserted, you can choose to press the start/stop button to display the fuel gauge interface, unlock the screen through the app, and then press the start/stop button again for approximately 3 seconds to illuminate the LCD screen.

4. Set the appropriate blade speed.
5. Press the PTO button (c) for more than 3 seconds but not more than 8 seconds to start the cutting blades. The PTO button flashes red while starting the blades and the button may be released when it illuminates solid red.

NOTE: For safety reasons, the blades will turn off when pressing the blade on/off button for more than 8 seconds.

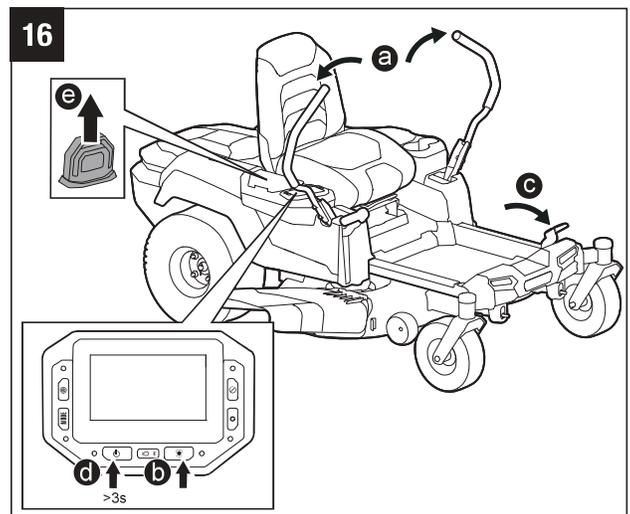
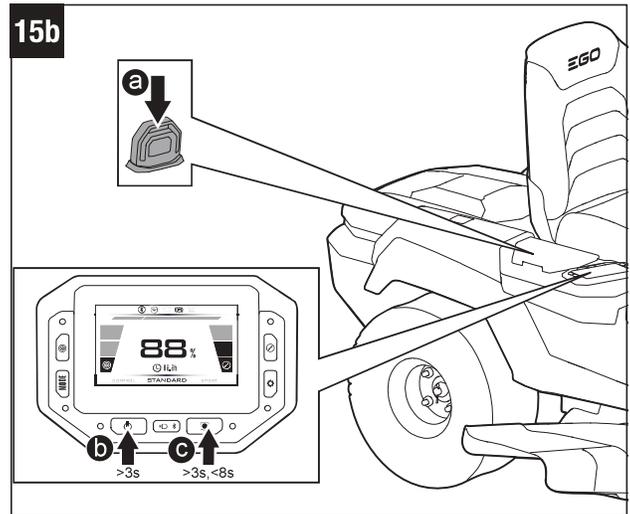
SHUTTING DOWN THE ELECTRIC ZERO TURN MOWER (Fig. 16)

⚠ DANGER Never make sudden stops or abrupt changes of direction, especially when maneuvering on a slope. The steering levers are designed for sensitive response. Rapid movement of steering levers could result in a reaction of the mower that can cause serious injury.

1. When the mower is on a level surface, return the steering levers to the neutral position and then unfold the steering levers outward into the open position (a).
2. Push the PTO button (b) to turn off the blade motors.

NOTE: The cutting blades may be stopped at any time.

3. Depress the parking-brake pedal (c) to set the mower in the parking-brake position.
4. Press the start/stop button (d) for approximately 3 seconds to turn off the LCD screen. The button lights around the LCD screen and the battery indicators will turn off after another 3 seconds, indicating the mower is fully shut down.
5. Remove the safety key (e) (if available) from the mower and keep it in a safe place.



⚠ WARNING The mower should be turned off manually when not in use. The mower will shut off automatically in the following situations:

- When the LCD screen shows the fuel gauge interface, the mower will automatically shut off after 5 minutes of inactivity.
- When the LCD screen shows the operator interface, the mower will automatically shut off after 1 hour of inactivity.

DRIVING THE ELECTRIC ZERO TURN MOWER (Fig. 17)

After starting the mower, engage the steering levers as follows:

- **To drive straight forward**, push steering levers forward an equal distance.
- **To drive straight in reverse**, pull steering levers backward an equal distance.
- **To turn left going forward**, move the right steering lever farther forward from neutral than the left steering lever.
- **To turn right going forward**, move the left steering lever farther forward from neutral than the right steering lever.
- **To execute a zero-radius turn**, slow down first and then move one steering lever forward and the other steering lever backward of neutral. This allows the drive (rear) wheels to counter-rotate.

NOTICE Rapid movement of steering levers is not recommended as damage to the electric components of the mower may occur.

NOTICE Aggressive turning can scuff or damage lawns. Always keep both wheels rotating when making sharp turns. Do not make turns with the inside wheel completely stopped. For minimum turning radius, slowly reverse the inside wheel while moving the outside wheel slowly forward.

- **To stop**, move the steering levers to neutral position and then unfold them to the open position.
- **To decrease speed**, decrease the steering levers' distance from neutral position. The nearer forward the steering levers are from neutral, the slower the mower will travel forward. The nearer backward the steering levers are from neutral, the slower the mower will travel in reverse.
- **To increase speed**, increase the steering levers' distance from neutral position. The farther forward the steering levers are from neutral, the faster the mower will travel forward. The farther backward the steering levers are from neutral, the faster the mower will travel in reverse.

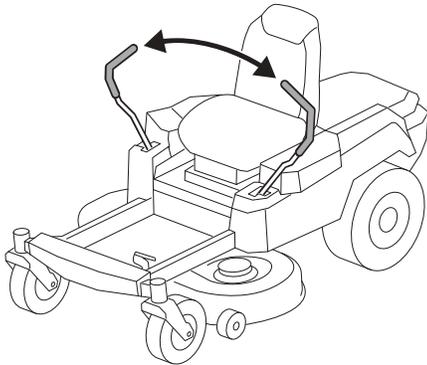
⚠ DANGER Stay at least two mowing widths (7 ft /2.13 m) away from any ditches, drop-offs, or water. Front wheels can rotate when the mower is stopped, even with the brake applied, and cause the mower to go over the edge or into the water and result in death or serious personal injury.

⚠ WARNING Be aware of what is behind the mower before backing up. DO NOT mow in reverse unless absolutely necessary. Always look down and behind before and while backing to make sure no children, bystanders, or pets enter the mowing area. Remember that a careless fraction of a second is sufficient to inflict death or serious injury.

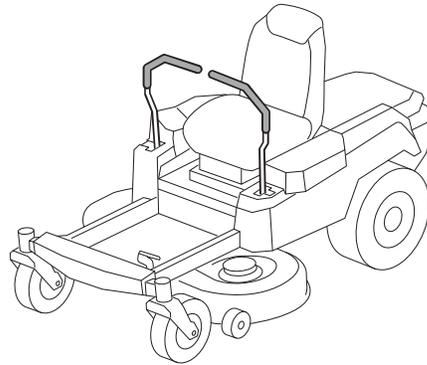
⚠ WARNING Be certain you have correctly set your intended direction of driving with the steering levers before pushing the steering levers. Failure to do so could result in you driving the mower in an unintended direction, which could cause loss of control or an accident.

⚠ WARNING Be cautious when crossing over gravel paths or driveways. Before crossing, turn off the blade motors and set the cutting deck to the highest position to minimize the possibility of ricochet. Drive slowly to avoid loss of traction and control.

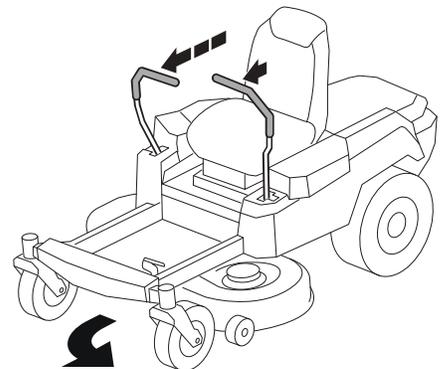
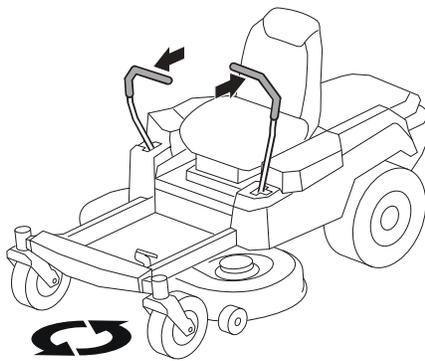
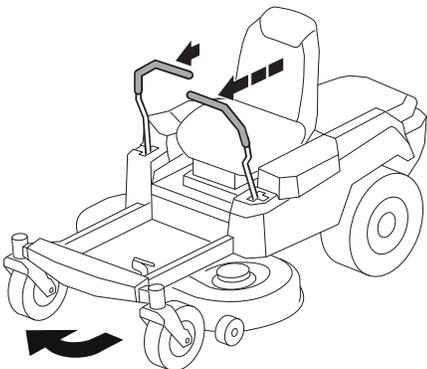
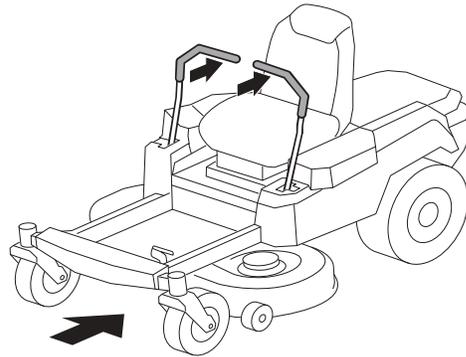
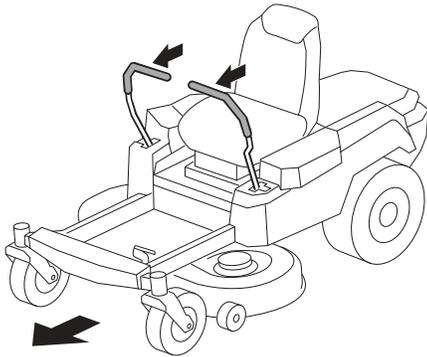
17



OPEN



NEUTRAL



CUSTOMIZING MOWING AND DRIVING SETTINGS

For the best mowing experience, we recommend customizing the following settings depending on your situation.

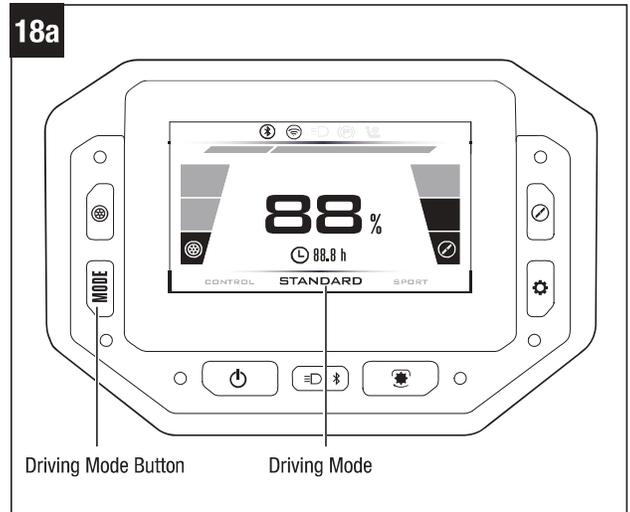
To Select Your Driving Mode (Fig. 18a)

The driving modes determine how sensitive the mower is to the user's actions.

- **CONTROL:** slower acceleration, less sensitive handling, and mild turning speed to protect the grass. This mode is perfect for new users.
- **STANDARD:** perfect for everyday use.
- **SPORT:** faster acceleration, responsive handling, and sharp turning to maximize the mowing area. This mode is recommended for more experienced users. SPORT mode will improve driving experience on a slope.

⚠ WARNING The operator should be familiar and experienced with zero turn mower handling and operations before using the SPORT mode.

NOTE: The driving mode can be selected when the LCD screen displays the home menu page and the steering levers are unfolded in the open position.



To Select Your Driving Speed Level (Fig. 18b)

The driving speed level establishes the maximum driving speed of the mower.

Level 1 (Low speed): for low-speed edging and trimming, or when mowing or driving in tight areas.

Level 2 (Standard speed): offers the best balance between cut quality and run time.

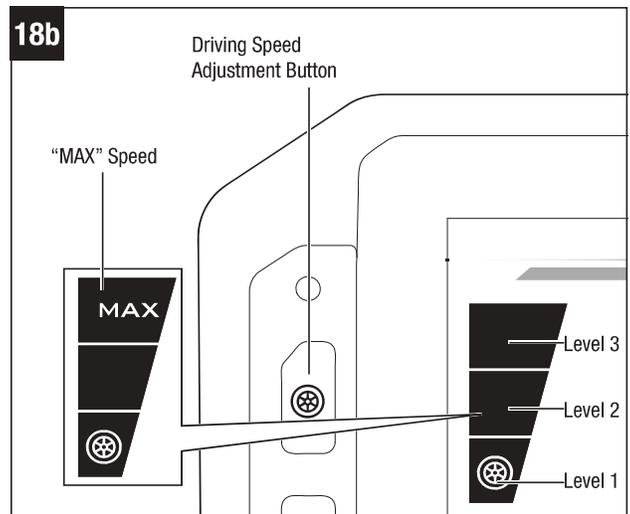
Level 3 (High speed): maximizes the coverage area when mowing large, flat lawns.

“MAX” speed: The highest driving speed for traveling and towing.

- Press the driving speed adjustment button to toggle between speed level 1, level 2, and level 3.
- When in level 3 speed, press and hold the driving speed adjustment button. The mower will switch into “MAX” speed. When in “MAX” speed, press the driving speed adjustment button to return to level 3 speed.

NOTE: Higher driving speed will increase coverage.

NOTE: The driving speed can be adjusted when the LCD screen displays the home menu page.



To Select Your Blade Speed Level (Fig. 18c)

The user can customize blade speed depending on grass conditions or other factors. Mower run time will increase when mowing at lower blade speeds.

Level 1 (ECO mode): provides the lowest noise level and longest run time from your battery packs.

Level 2 (Standard mode): for normal condition cutting, best balance between performance and run time.

Level 3 (Heavy duty mode): for tall grass or extremely wet grass condition.

“MAX” mode: the highest blade speed, to tackle any grass condition.

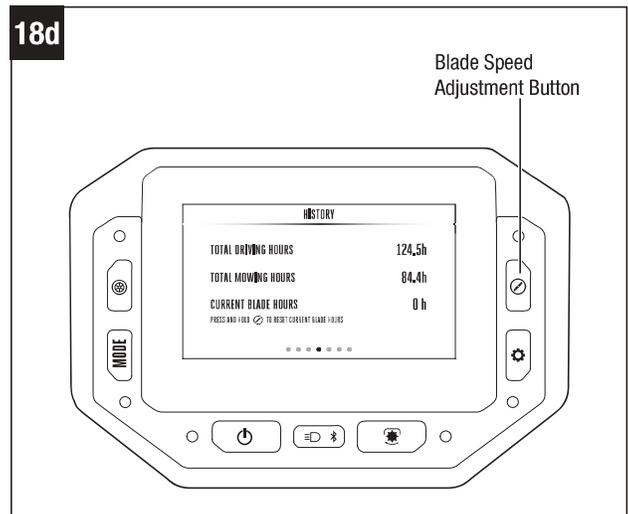
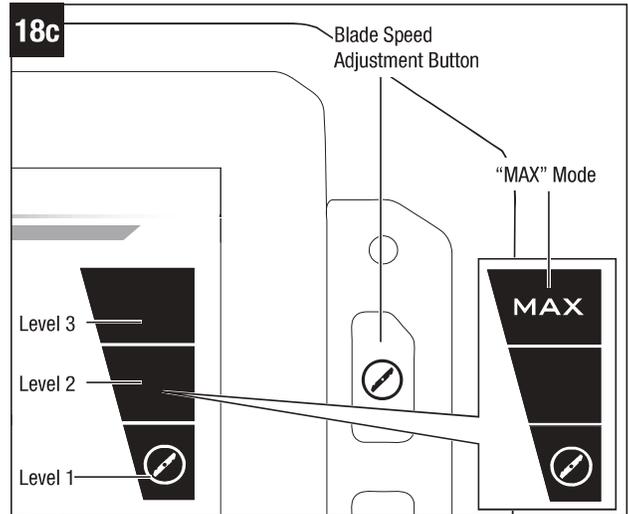
NOTE: The mowing performance can be set in any mode through the app.

- Press the blade speed adjustment button to toggle between speed level 1, level 2, and level 3.
- When in level 3 speed, press and hold the blade speed adjustment button. The mower will switch into “MAX” mode. When in “MAX” mode, press the blade speed adjustment button to return to level 3 speed.

NOTE: Higher blade speed will significantly affect run time.

NOTE: The blade speed can be adjusted when the LCD screen displays the home menu page.

NOTE: When the LCD screen displays the history page, press and hold the blade speed adjustment button to reset the current blade hours to zero (Fig. 18d).



SLOPE OPERATION

See section “**SLOPE SPECIFIC**” in this manual for safety instructions before slope operation.

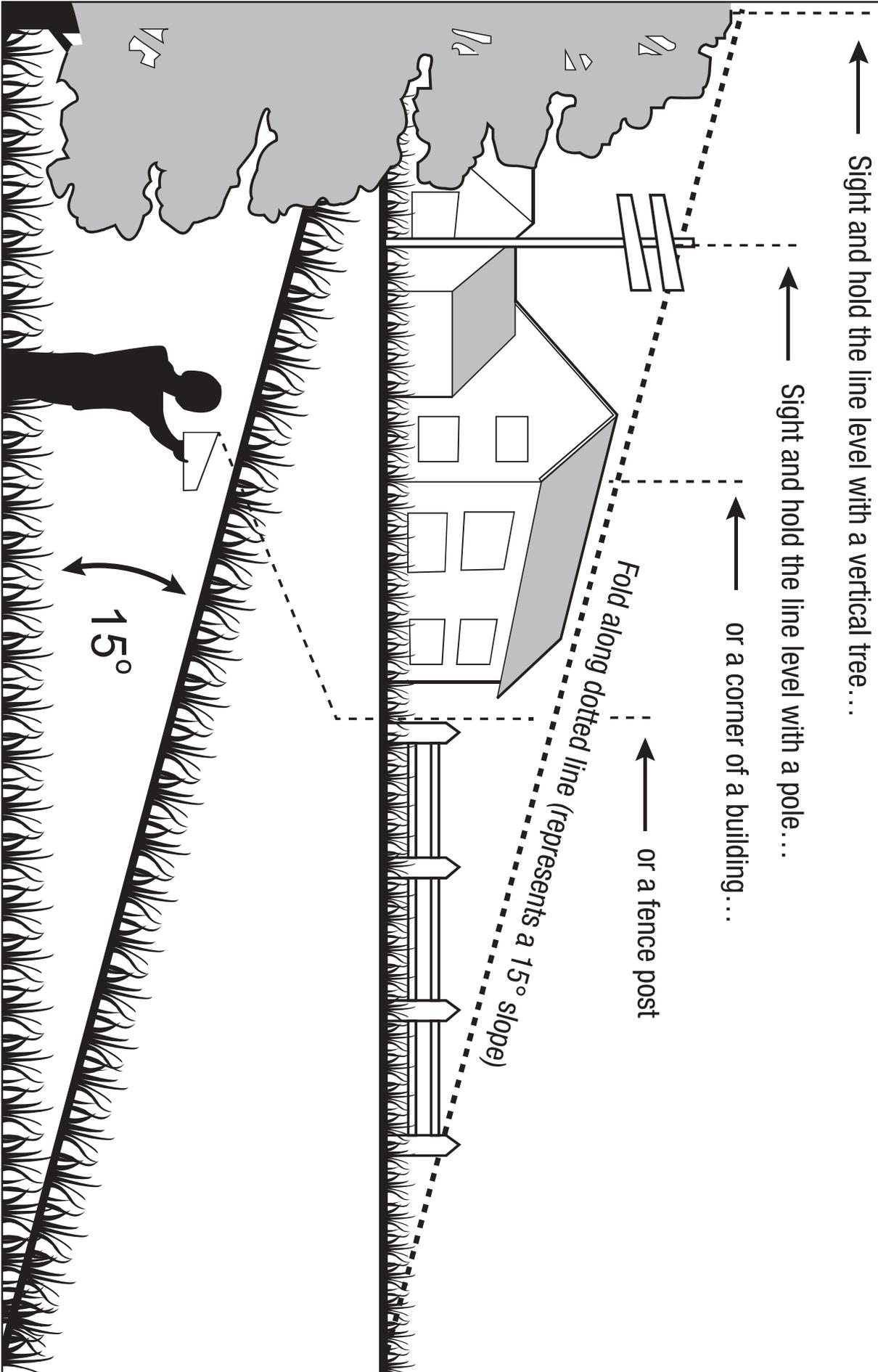
▲ DANGER Slopes are a major factor related to tip-over and roll-over accidents that can result in severe injury or death. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. For your safety, do not attempt to mow steep slopes greater than 15 degrees. Make a copy or cut out the slope guide image (Fig. 19) and use it to determine if your slope is too steep for safe operation.

▲ WARNING DEPRESS THE PARKING-BRAKE PEDAL IMMEDIATELY TO ENGAGE IT IN THE PARKING-BRAKE POSITION IN CASE ANY EMERGENCY OCCURS, THE MOWER WILL STOP IMMEDIATELY AND WILL NOT SLIDE DOWN THE SLOPE.

- Mow up and down, not across the face of slopes.
- Do not mow wet grass. Wet grass can cause the tires to lose traction or slip on slopes, even though the brakes are functioning properly.
- Watch for holes, ruts, rocks, hidden objects, or bumps which can affect your operation. Tall grass can hide obstacles. Remove all objects such as rocks, tree limbs, etc., which could be thrown by the blade.
- Do not mow near drop-offs, ditches, or embankments.
- Drive slowly and do not make sudden changes in speed or direction.
- Avoid stopping on a slope if possible. If stopping on a slope is unavoidable, make sure to engage parking brake. When restarting, use the lowest possible speed. If turning is necessary, exercise extreme caution when changing direction and always turn downhill.
- If at any point the tires lose traction while operating on a slope, disengage the blades and proceed slowly and carefully straight down the slope.
- If using the optional bagger, cargo box, sun shade, or other accessories, never operate the mower on slope angles greater than 10 degrees. Use extreme caution and operate the mower slowly when on a slope, as these accessories can change the stability of the mower.
- When the mower stops driving on a slope and the operator leaves the seat without setting the parking-brake pedal in the parking-brake position, the audio indicator will emit intermittent beeps. The beeps will stop as soon as the parking-brake pedal is set in parking-brake position.

▲ WARNING Always depress the parking-brake pedal to engage it in the parking-brake position when the mower stops driving on a slope. **Otherwise, the mower may slide down the slope, which may cause serious mower damage or personal injury!**

- When restarting driving on a slope, disengage the parking-brake pedal and push the steering levers forward immediately. **Otherwise, when the parking-brake pedal is released but the steering levers are not pushed forward, the mower may slide down the slope and the audio indicator will not beep.**
- When driving the mower on a slope, never try to depress the parking-brake pedal to slow down the driving speed while driving. **If the parking-brake pedal is depressed but is not engaged in the parking-brake position, the mower may slide down the slope once the parking-brake pedal is released.**



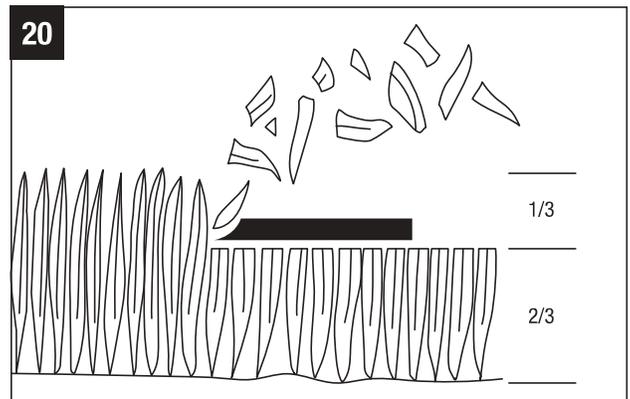
MOWING TIPS

NOTICE A sharp blade will greatly enhance the performance of the mower, especially when cutting tall grass. Make sure to check the sharpness of the blade before mowing.

- Verify that the lawn is free of stones, sticks, wires, and other objects which could damage the mower's cutting blades or motors. Such objects could be accidentally thrown by the mower in any direction and could cause serious personal injury to the operator and to others.

WARNING If you strike a foreign object, turn off the mower and remove the batteries. Thoroughly inspect the mower for any damage and repair the damage before restarting and operating the mower. Excessive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

- The mowing result will be the best with a high cutting blade speed and low driving speed. If the grass is not too long and dense, the driving speed can be increased without negatively affecting the mowing result.
- When cutting heavy grass, reduce the driving speed to allow for a more effective cutting and a proper discharge of the clippings.
- Begin with a high cutting height and reduce it until the desired mowing result is attained. Grass over 6 inches (152 mm) long should be mowed twice, at successively lower cutting heights.
- To maintain a healthy lawn, cut off only one-third or less of the total length of the grass (Fig. 20). The average lawn should be approximately 1-1/2 to 2 inches (38–51 mm) long during cool months, and between 2 to 3-1/4 inches (51–83 mm) long during hot months. For healthier and better-looking lawns, mow more often after moderate growth.
- Do not cut wet grass. Mowing on wet surfaces can cause loss of control and the wheels to sink into the soft lawn. Wet grass will stick to the underside of the deck and prevent proper bagging or mulching of the grass clippings.
- New or thick grass may require a narrower cut or a higher cutting height.
- Keep the mower deck and side discharge chute clean. Remove grass clippings, leaves, dirt, and any other accumulated debris before and after each use. See section "Cleaning the machine" in this manual.



TIPS TO INCREASE RUN TIME

To get longer run time, please follow these guidelines:

- Use as many battery packs as available.
- Use the battery packs with higher amp-hour (Ah) rating.
- Cut no more than 1.5 inch (38 mm) of grass in one pass.
- Do not cut wet grass.
- Make sure the blades are sharp.
- Make sure that the underside of the deck is clean.

- Slow down the blade speed – Use blade speed level 1 (ECO).
- Do not use the mulching plug.
- Do not charge external devices using the USB port.

COLD WEATHER OPERATION

NOTICE Under extreme cold weather, the blade motor and driving function may not start successfully due to the machine's low temperature self-protection. When the LCD screen displays the too cold pop-up window, do not make repeated attempts to start the mower, as this may damage the machine. Always store the mower and batteries in a warm environment. Restart the mower when it is warmed up. Recommended operating temperature is 32 °F–104 °F (0 °C–40 °C).

AUDIO INDICATOR (BEEPS)

The EGO electric zero turn mower is equipped with an audio indicator that will beep in the following situations:

- When the mower starts normally and the LCD screen displays the operator interface, the beep will sound.
- When the mower is turned off normally from the operator interface, the beep will sound.
- When the available battery charge is lower than 10%, the beep will sound.
- When the available battery charge is lower than 3% without the blades turned on, the beep will sound.
- When the available battery charge is lower than 3% while the blades are running, the beep will sound continuously.
- When one or more serious module fault warnings display, the beep will sound.
- If the mower stops driving on a slope and the operator is off the seat without setting the parking brake, the beep will sound continuously to remind the operator to set the parking brake for safety.
- When the mower is overloaded or overheating/too cold, the beep will sound.
- When starting to drive in reverse, the beep can be set to sound continuously through the app. Refer to the app's instructions for more information.

MAINTENANCE

⚠ WARNING Before performing any maintenance, stop the mower on a level surface and wait for the blades to come to a complete stop. Engage the parking brake and remove battery packs to avoid accidental starting and possible serious personal injury.

⚠ WARNING Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

⚠ 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.

⚠ WARNING Strictly adhere to all torque wrench tightening specifications. Failure to do so could cause serious personal injury.

NOTICE Remain alert for unusual noises, as they could be signaling a problem. Visually inspect the product for any abnormal wear or damage. Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc., along with wire and string tangles. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced.

RECOMMENDED MAINTENANCE SCHEDULE(S)

Maintenance Service Interval	Maintenance Procedure
Before each use or daily	<ul style="list-style-type: none"> ▪ Check the safety-interlock system. ▪ Visually check that the tires are properly inflated. ▪ Inspect the blades. ▪ Inspect the entire product for damaged, missing, or loose parts such as side discharge chute, screws, nuts, bolts, caps, etc., ensuring that all guards are in place and working properly.
After each use	<ul style="list-style-type: none"> ▪ Clean the mower.
Every 25 hours	<ul style="list-style-type: none"> ▪ Check the tire pressure.
Every 100 hours	<ul style="list-style-type: none"> ▪ Check the front wheels, ensuring that the nut is fastened at the recommended torque: 66–70 ft-lb (90–95 Nm). ▪ Check the rear wheels, ensuring that the 4 lug nuts are fastened at the recommended torque: 70–75 ft-lb (95–102 Nm).
Every 200 hours	<ul style="list-style-type: none"> ▪ Check the front wheels, ensuring that they turn freely.
Every half a year	<ul style="list-style-type: none"> ▪ Check the parking-brake pedal. Remove the batteries from the mower, then depress the parking-brake pedal to set the parking-brake. Manually push the mower forward to see if the mower can be moved without the rear wheels rotating. If the mower moves and the rear wheels rotate, please contact EGO customer service and have it repaired by a qualified service technician.

Maintenance Service Interval	Maintenance Procedure
Before storage	<ul style="list-style-type: none"> ▪ Remove the batteries from the mower. ▪ Remove the safety key from the mower. ▪ Follow all maintenance procedures listed above and thoroughly clean the mower. ▪ Inspect the entire product for damaged, missing, or loose parts. Replace or tighten the corresponding ones before storage.

GENERAL MAINTENANCE

- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloth to remove dirt, dust, oil, grease, etc. Insect repellent spray may damage plastic and painted surfaces. Do not spray insect repellent near the mower.
- Prolonged exposure to sunlight will damage some surfaces.
- If the mower is used in rainy conditions, use a dry clean cloth to dry the seat, control panel, etc., before you restart it or store it.

⚠ WARNING Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Cleaning the machine

Remove any build-up of grass and leaves on or around the mower housing. Wear eye protection and use compressed air after each use to clean the mower housing.

The underside of the deck should be cleaned using the washing port after each use, as grass clippings, leaves, dirt, and other debris will accumulate, especially when grass is wet or has high moisture content. This accumulation is undesirable, as it will harden, restricting blade and air movement, potentially resulting in a poorer quality of cut and even promoting rust and corrosion.

Wash the electric zero turn mower by hand or with a standard garden hose without a nozzle. Do not clean the machine by high-pressure washing; avoid getting water in the motor and electrical connections.

Avoid spraying water with great force near or into the following places:

- Battery packs
- Electrical connections (including battery compartment)
- Wheel bearings
- Warning labels
- Other labels
- Instrument panel (display and switches)
- Mower spindle motors

Using the wash port to clean the deck

NOTICE Follow this procedure after EACH USE to remove the buildup of grass and dirt, and to remove corrosive lawn chemicals.

IMPORTANT: You can wash the machine with a mild detergent and water. Do not pressure wash the machine. Avoid excessive use of water, especially near the control panel, under the seat, around the motors and all electric components and bearings.

1. Set the parking brake. Refer to section “**SETTING THE PARKING BRAKE**” in this manual.
2. Adjust the deck height to the lowest height. Refer to section “**Adjusting the cutting-deck height**” in this manual.
3. Attach the supplied wash-port quick coupler to the garden hose.
4. Attach the garden hose with the quick coupler (a) to the wash port (b) on the mower deck as shown in Fig. 21 until you hear a clear click (c). The wash port is on the left side of the mower deck.
5. Turn on the water.
6. With battery packs attached, insert the safety key, and press the start/stop button for approximately 3 seconds to illuminate the LCD screen.
7. Press the PTO button for more than 3 seconds but not over 8 seconds to start the blade motors and adjust the blade speed to blade speed level 3. Refer to section “**To Select Your Blade Speed Level**” in this manual.
8. Flush water under the deck for approximately one minute.
9. Turn off the blade motors by pressing the PTO button.
10. Turn off the mower completely. See section “**SHUTTING DOWN THE ELECTRIC ZERO TURN MOWER**”.
11. Turn off the water and remove the garden hose and quick coupler from the wash port.
12. Remove the quick coupler from the garden hose and store it in a safe location for future use.

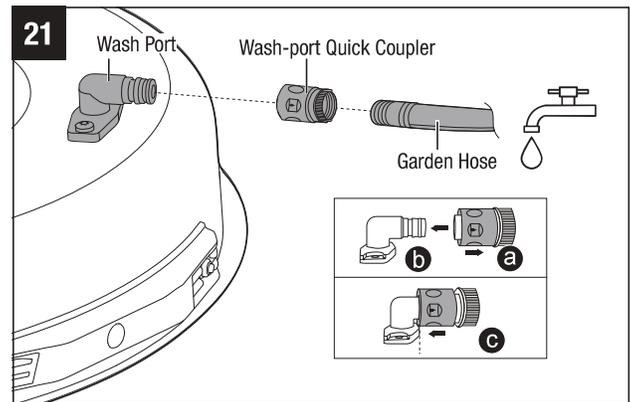
NOTE: When cleaning the deck using the wash port, the mower can be either in mulching or side discharging mode.

NOTE: If the deck is not clean after one wash cycle, repeat the process until the deck is thoroughly cleaned.

LEVELING THE DECK

⚠ 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 blade(s).

- If your lawn appears unevenly cut after using the mower or when the blade(s) is/are reinstalled, the deck may need adjusting.
- Before deciding that leveling of the deck is necessary, make sure that the tires are properly inflated to the recommended pressure (Please see section “**CHECKING THE TIRE PRESSURE**” in this manual). Over- or under-inflated tires can affect the appearance of the cut grass, and proper inflation of the tires may be all that is needed to resolve uneven cut issues. If the tires are over- or under-inflated, the deck cannot be correctly adjusted.
- Check for bent blades prior to leveling. Remove and replace any bent blades. See section “**REPLACING THE CUTTING BLADE**” in this manual for reference.



- Adjust the deck while the mower is on a level surface. Raise the deck to the highest position.

NOTE: The anti-scalp wheels should not contact the ground when leveling the deck.

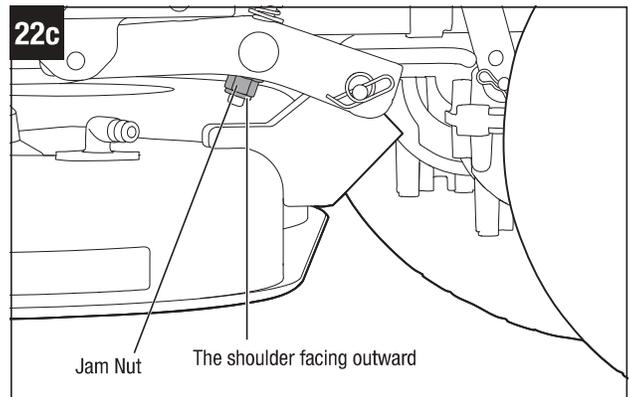
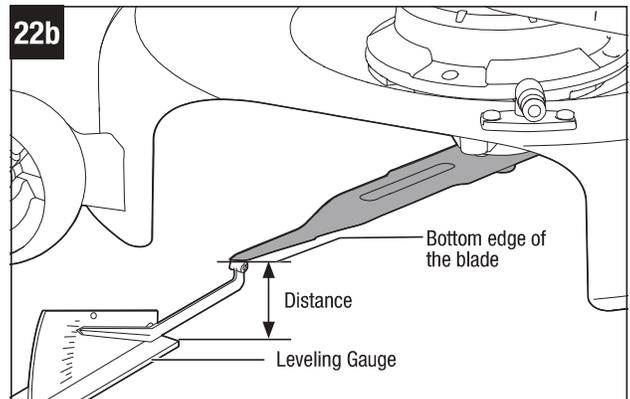
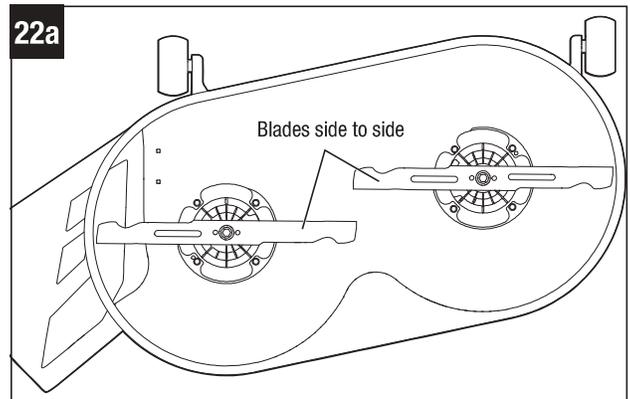
NOTE: The deck must be adjusted slightly higher in the rear.

Required tools (not supplied): one 13/16 inch (21 mm) open-end wrench or adjustable wrench; one 23/32 inch (18 mm) open-end wrench or adjustable wrench; one leveling gauge

To ensure right and left blade depths are equal side-to-side

1. Turn off the mower, engage the parking brake, and remove the batteries.
2. Position both blades so that the ends point toward the sides of the mower (Fig. 22a).
3. On the outside edge of each blade, measure the distance from the bottom edge of the blade to the ground (Fig. 22b). If there is a difference in measurement between the two sides greater than 13/64 inch (5 mm), side-to-side adjustment is necessary.
4. On the side you wish to adjust, use a 13/16 inch (21 mm) open-end wrench or adjustable wrench (not supplied) to adjust the one jam nut at the rear of the mower (Fig. 22c).
5. Measure again. Continue to adjust and measure until the difference between the distances on each side is within 13/64 inch (5 mm).
6. Proceed to front-to-back adjustment.

NOTE: In case the jam nut on the back is removed from the machine accidentally, remount it with the shoulder of the jam nut facing outward. There is no adjustment required for the two nuts on the suspension linkage.



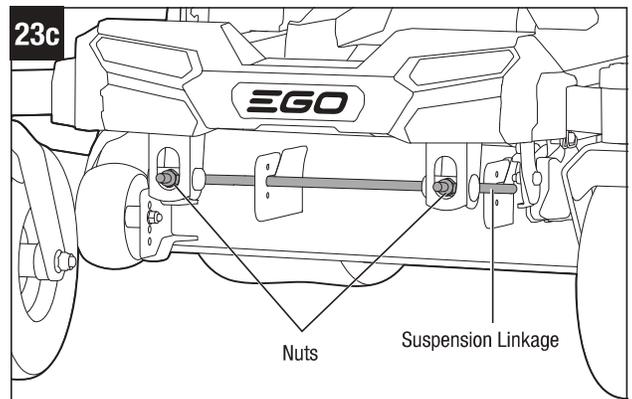
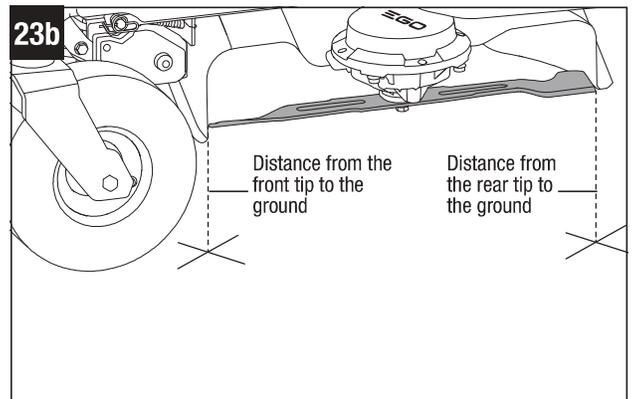
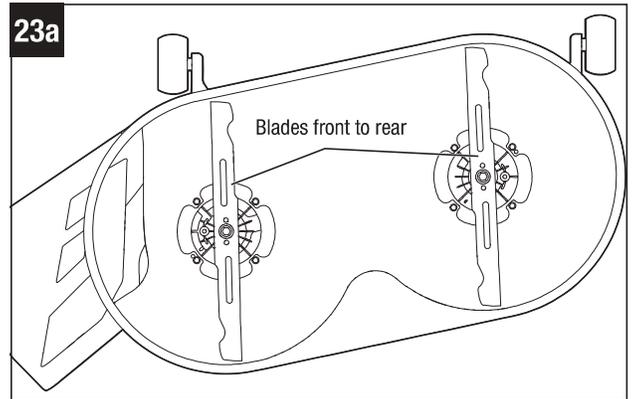
To ensure right and left blade depths are equal front-to-rear

NOTICE Always level the deck side-to-side before making a front-to-rear adjustment.

1. Position both blades so that the ends point toward the front and back of the mower (Fig. 23a).
2. Measure the distance from the tip of one blade to the ground (see Fig. 23b). For best results, the front tip of the blade should be from $5/64$ inch to $25/64$ inch (2 mm to 10 mm) lower than the rear tip.
3. If front-to-rear adjustment is needed, use a $23/32$ inch (18 mm) open-end wrench or adjustable wrench (not supplied) to adjust the two nuts on the suspension linkage (one for each side) (Fig. 23c).

NOTICE Make sure to turn the corresponding nuts on both sides equally to avoid altering the side-to-side measurement.

4. Measure again to verify that the front tip is now $5/64$ inch to $25/64$ inch (2 mm to 10 mm) lower than the rear tip. If not, continue to adjust and measure until it is.

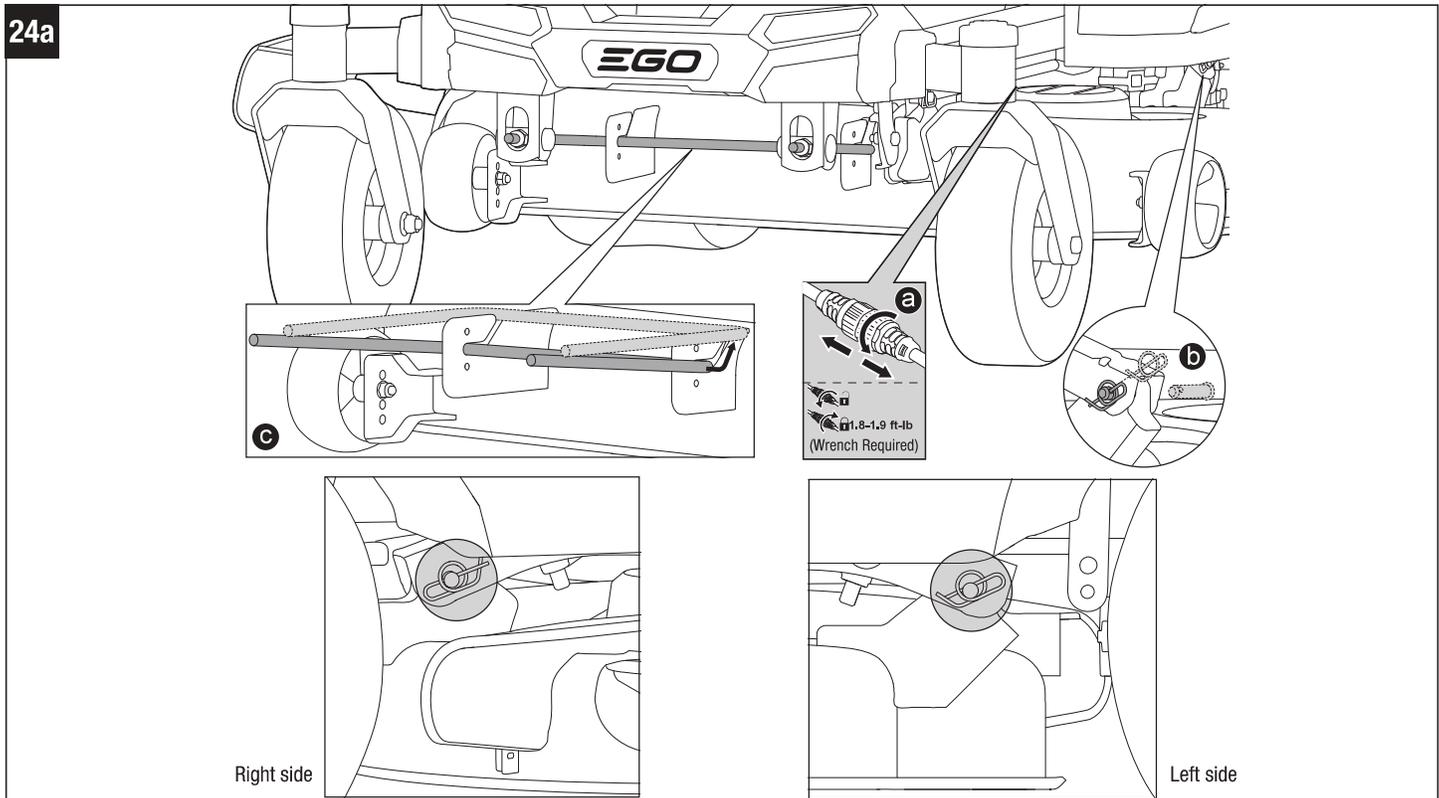


REMOVING THE DECK

⚠ WARNING Make sure that the mower is properly secured and the parking brake is engaged before proceeding.

Follow the steps below to remove the deck from the product first and then perform maintenance.

1. Turn off the mower, engage the parking brake, and remove the batteries.
2. Adjust the deck-height adjustment lever to the lowest cutting height position.
3. Disconnect both blade motor cables (a) as seen in Fig. 24a.
4. Place a rug or a mat (similar in size to that of the deck) under the deck to prevent damage to the deck.
5. Remove the cotter pins and push the shaft pins out (b). Save both sets for deck re-assembly.
6. Push the deck forward (toward the front wheels) and rotate the suspension linkage counterclockwise to release it from the deck hooks (c) (Fig. 24a).



7. Pull the rug/mat (with the deck on it) sideways to remove them from under the mower (Fig. 24b).
8. Clean the deck or replace the blade(s) as directed in “**REPLACING THE CUTTING BLADE**” in this manual.
9. When the cleaning or blade replacement is complete, reassemble the deck onto the mower in the reverse order.

NOTICE Reconnect the motor cables, ensuring that the left /right motor cable is connected to the left/right motor, respectively.

NOTICE Make sure both motor cables are connected to the motors with proper torque. The recommended torque is 1.8–1.9 ft-lb (2.4–2.6 Nm).

REPLACING THE CUTTING 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 blade(s). Always remove the safety key and battery packs when servicing or transporting the mower.

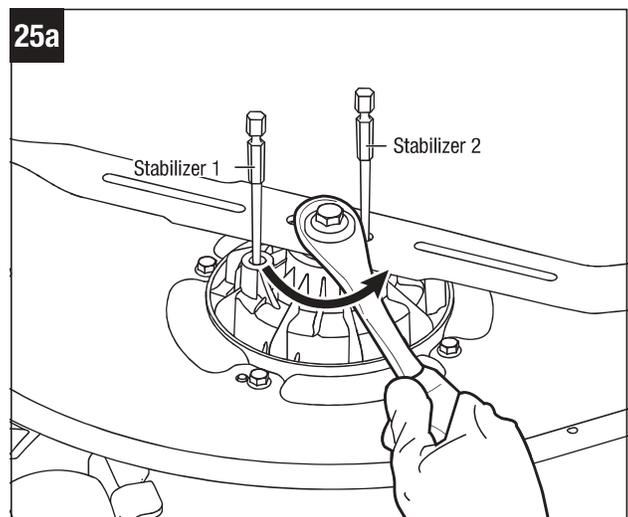
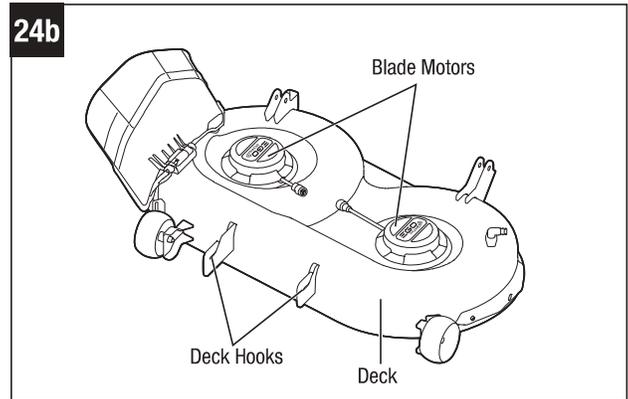
Required tools (not supplied):

- Torque wrench with 9/16 inch (14 mm) socket
- Screwdriver or metal rod 5/16 inch (8 mm) or a little less in diameter
- Screwdriver or metal rod 1/4 inch (6.35 mm) or a little less in diameter

Tools that make life easier (not supplied): Impact wrench with 9/16 inch (14 mm) socket makes removing the blade bolts much easier.

To remove the cutting blade

1. Turn off the mower, engage the parking brake, and remove the batteries.
2. Remove the deck as directed in the section “**REMOVING THE DECK**” in this manual.
3. Flip the deck on the ground so that the blades face upward.
4. While wearing protective gloves, place a screwdriver or metal rod 5/16 inch (8 mm) or a little less in diameter into the fixing hole in the motor to act as a stabilizer. Place another screwdriver or metal rod 1/4 inch (6.35 mm) or a little less in diameter (e.g., a bit) into the aligned hole in the blade and the flange to act as another stabilizer (Fig. 25a).
5. Use a 9/16 inch (14 mm) wrench (not supplied) to turn the blade bolt counterclockwise to loosen it (Fig. 25a).
6. While wearing protective gloves, remove the bolt, washer, and the blade (Fig. 25b). The flange can be left on the motor shaft.

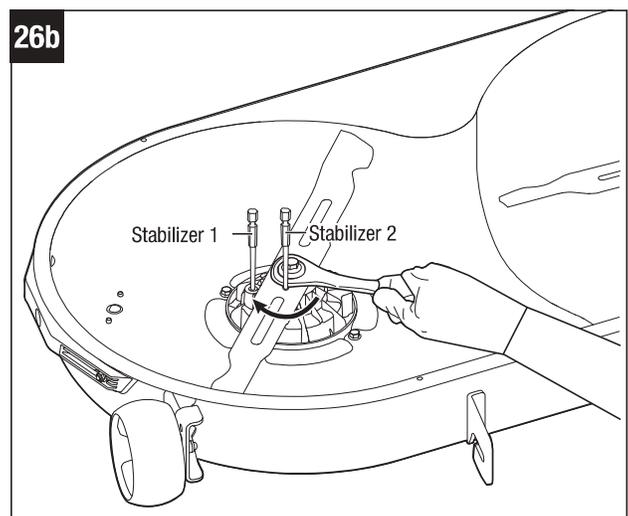
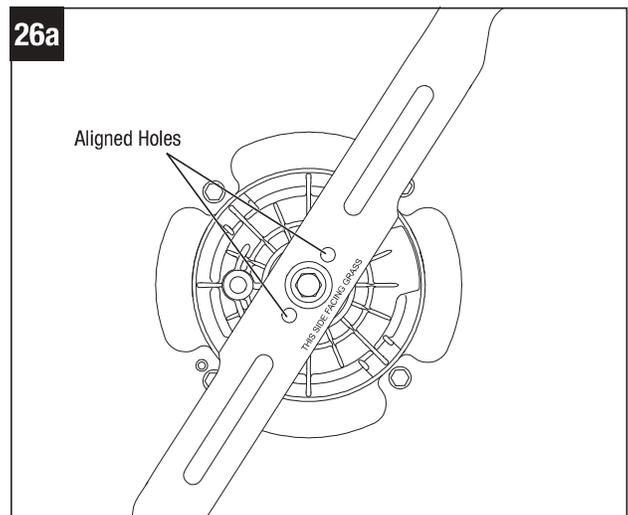
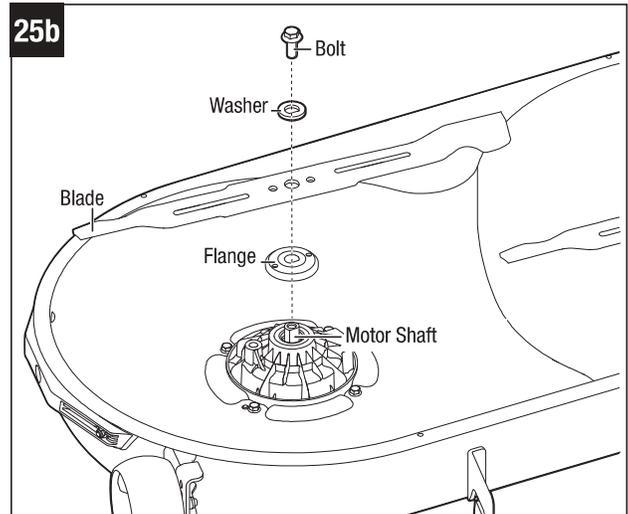


To install the cutting blade

NOTICE To re-install or replace the blade, make sure that all parts are replaced in the exact order in which they are removed as shown in Fig. 25b.

1. If the flange is removed during blade removal, align it with the motor shaft first and then assemble it into place.
2. While wearing protective gloves, position the blade on the flange with the surface stating “THIS SIDE FACING GRASS” facing away from the deck (Fig. 26a).
3. Align the washer with the motor shaft and mount it onto the motor shaft.
4. Mount the bolt into the motor shaft. Hand tighten the bolt clockwise.
5. Move the blade by hand to align the two holes in the blade with the two holes in the flange (Fig. 26a).
6. Place a screwdriver or metal rod 1/4 inch (6.35 mm) or a little less in diameter (e.g., a bit) into the aligned hole in the blade and the flange to act as a stabilizer. Place another screwdriver or metal rod 5/16 inch (8 mm) or a little less in diameter into the fixing hole in the motor to act as a stabilizer (Fig. 26b).
7. Use a 9/16 inch (14 mm) torque wrench to tighten the bolt clockwise. The recommended torque for the blade bolt is 36–41 ft-lb (50–55 Nm).
8. Repeat the steps with the second blade, if needed.
9. Reassemble the deck onto the mower as directed in “REMOVING THE DECK” in this manual.

⚠ WARNING Ensure that the blade is properly seated and the blade bolt is tightened to the torque specifications above. Failure to properly attach the blade could cause it to come loose and result in possible serious personal injury.



SHARPENING THE CUTTING 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 blade(s). Always remove the safety key and battery packs when servicing or transporting the mower.

⚠ WARNING Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

⚠ WARNING A worn, cracked, or damaged blade can break, and pieces of the damaged blade can become dangerous projectiles. Thrown objects can cause serious injury. Inspect the blade regularly, and do not operate the mower with a worn or damaged blade.

⚠ WARNING A dull blade can be sharpened, but a blade that is excessively worn, bent, cracked, or otherwise damaged must be replaced. A worn or damaged blade can break, causing blade pieces to be thrown from the mower. If the blades are found to be bent, take the mower to an authorized EGO customer service for inspection. Never attempt to straighten a bent blade by heating, or weld a cracked or broken blade.

NOTICE Keep the blade sharp for best cutting performance. A dull blade does not cut grass cleanly or mulch properly.

Sharpening frequency

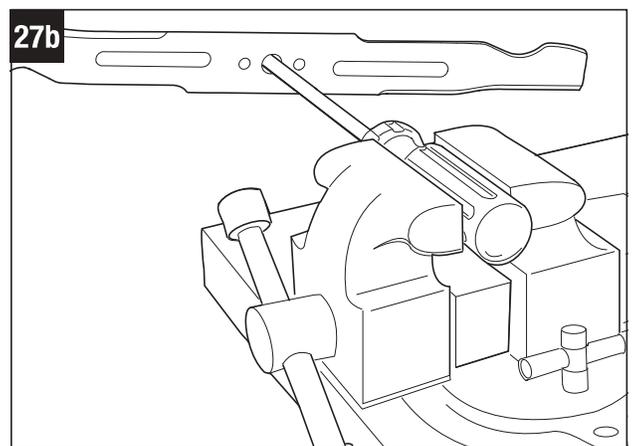
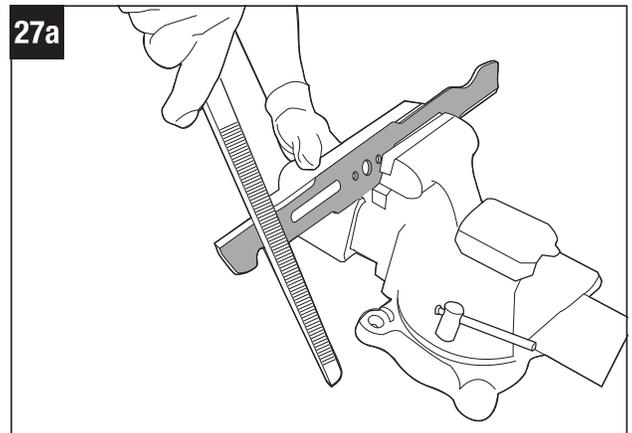
Sharpening the cutting blade twice during a mowing season is usually sufficient under normal circumstances. Sand causes the blade to dull quickly; if your lawn has sandy soil, more frequent sharpening may be required.

When sharpening the cutting blade

1. Make sure that the blade remains balanced.
2. Sharpen the cutting blade at the original cutting angle.
3. Sharpen the cutting edges on both ends of the blade, removing an equal amount of material from each end.

Sharpening the blade in a vise

1. Remove the blade from the mower (please see section **“REPLACING THE CUTTING BLADE”** in this manual).
2. Secure the blade in a vise (Fig. 27a).
3. Wear proper eye protection and gloves and be careful not to cut yourself.
4. Carefully file the cutting edges of the blade with a fine-tooth file or sharpening stone, maintaining the original cutting edge angle.
5. To check the blade balance: clamp a nail or a screwdriver with a round shank in the horizontal position. Position the blade so that the nail or round shank of the screwdriver supports the blade through its center hole. Balance the blade horizontally. If either end of the blade rotates downward, remove some metal from the heavy (or lower) end until the blade is balanced. It is balanced when neither end drops (Fig. 27b).



- Replace the blade and mount it onto the mower securely (please see section “**REPLACING THE CUTTING BLADE**” in this manual).

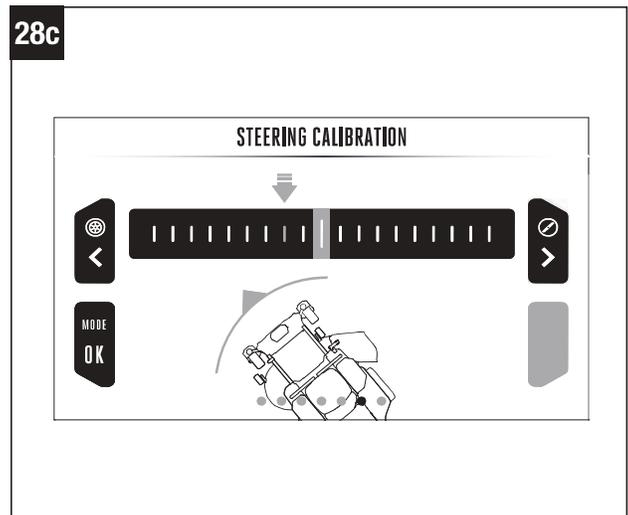
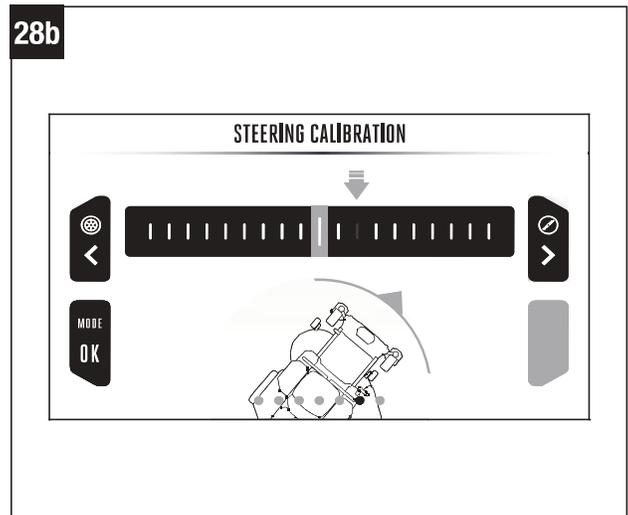
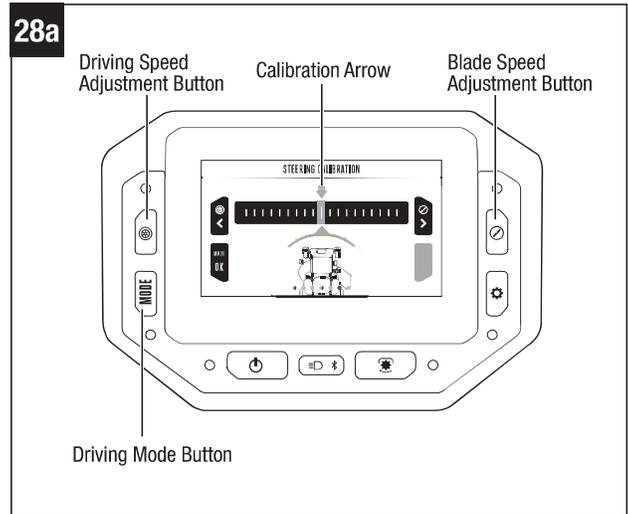
⚠ WARNING An unbalanced blade will cause excessive vibration when rotating at high speeds. It may cause damage to the mower and could break, causing personal injury.

CALIBRATING THE STEERING LEVERS

If the mower is not tracking straight, first check the air pressure in both rear wheel tires. If the tire pressures are set to the recommendation in section “**CHECKING THE TIRE PRESSURE**” in this manual, calibrate the steering levers as follows:

- Insert the battery packs into the battery compartments of the mower.
- Set the parking-brake pedal in the parking-brake position, and unfold the steering levers in the open position.
- Insert the safety key and press the start/stop button for approximately 3 seconds to turn on the LCD screen.
- Press the settings button several times to display the steering calibration page on the LCD screen (Fig. 28a).
- If the mower is tracking to the left, press the blade speed adjustment button on the right side to move the calibration arrow to the right slightly, the mower icon will turn right and then return to the middle position (Fig. 28b); if the mower is tracking to the right, press the driving speed adjustment button on the left side to move the calibration arrow to the left slightly, the mower icon will turn left and then return to the middle position (Fig. 28c).
- When the calibration is finished, press the driving mode button to confirm the calibration. The calibration arrow will stay at the set position.

NOTE: The calibration arrow will return to the previous position if the calibration fails.



TRANSPORTING THE MOWER (Fig. 29)

NOTICE When using a forklift, the mower must always be transported on the bottom shipping frame at all times! The forklift should never come in direct contact with the mower!

We recommend keeping the bottom shipping frame to facilitate transportation of the mower for future service.

See the “TRANSPORT” section earlier in this manual for safety instructions before transporting the mower.

Required equipment (not supplied)

- Full size pickup truck or trailer with a bed that is large enough to fit the machine
- 3 ratchet tie-down straps
- Measuring tape
- Bungee cord(s) or rope
- 2 people
- 2 dual runner folding ATV ramps with at least 661 lbs (300 kg) capacity and 12 inch (30.5 cm) width; The length of the ramp is determined by how high the truck/trailer bed is above the ground.

For your safety, make sure that the incline of the ramps is less than 15 degrees.

⚠ WARNING To reduce the risk of injury and property damage, NEVER drive the machine up or down the ramp.

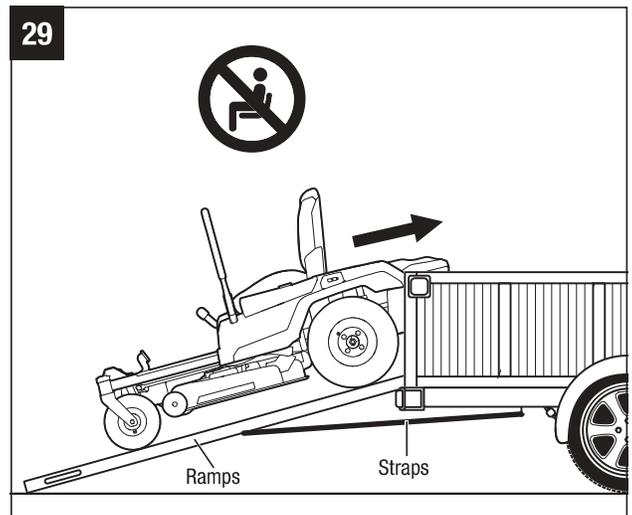
⚠ WARNING Heavy object. Two people are required to load/unload the machine.

To load the machine onto a truck or trailer

- Make sure your truck or trailer is parked on a level surface. The rear of the machine should face the rear of the truck/trailer.
- Remove the battery packs from the machine.
- Lift the side discharge chute and secure it in the vertical position with bungee cord(s) or a rope.
- Unfold the ramps and visually align the bottom of each ramp with the center of the corresponding rear wheel.
- Ensure the ramps are parallel by measuring their width at the top and bottom using a measuring tape.
- Connect one end of the ratchet tie-down strap to the safety chain hook on the truck/trailer. Connect the other end to the hinge (or middle) of the ramp (Fig. 29). Repeat this step with the other ramp.
- Tighten the straps and make sure the ramps are secure and there's no movement when you tug on the ramps or straps.

⚠ WARNING Always make sure the ramps are properly secured. Improperly secured ramps may cause the machine to fall down, causing serious personal injury and damage.

- Use a measuring tape to once again verify that the ramps are parallel.
- Make sure the machine's parking-brake pedal is disengaged.
- Each person should place one hand on the front frame and the other hand on the plastic housing (near the cup holder on the left and the control panel on the right) and push the machine up the ramp. NEVER use the steering levers or any part of the seat to push the machine.



- k. Once the machine is in the bed of the truck/trailer, secure it in place using the ratchet tie-down straps. Use one strap to secure the front of the machine and use the two remaining straps to secure the hitch.
- l. Manually turn the front wheels so they are perpendicular to the direction of the machine.
- m. Engage the parking brake.

To unload the machine from a truck or trailer

- a. Release the ratchet tie-down straps and disengage the parking brake.
- b. Manually turn the front wheels so they are parallel to the direction of the machine.
- c. Unfold the ramps and align the top of each ramp with the center of the corresponding front wheel.
- d. Ensure the ramps are parallel by measuring their width at the top and bottom using a measuring tape.
- e. Connect one end of the ratchet tie-down strap to the safety chain hook on the truck/trailer. Connect the other end to the hinge (or middle) of the ramp. Repeat this step with the other ramp.
- f. Tighten the straps and make sure the ramps are secure and there's no movement when you tug on the straps.

⚠ WARNING Always make sure the ramps are properly secured. Improperly secured ramps may cause the machine to fall down, causing serious personal injury and damage.

- g. Use a measuring tape to once again verify that the ramps are parallel.
- h. Each person should place one hand on the front frame and the other hand on the plastic housing (near the cup holder on the left and the control panel on the right) and carefully lead the machine down the ramp. NEVER use the steering levers or any part of the seat to push/support the machine.

STORAGE

The following steps should be taken in order to prepare the mower for storage.

- Remove the battery packs from the mower and store the batteries in a dry location at room temperature.
- Remove the safety key from the mower.
- Thoroughly clean the mower. See section “**GENERAL MAINTENANCE**” in this manual for reference.
- Inspect the mower for worn or damaged parts and tighten any nuts or screws that may have become loose.
- Store the mower in a dry, clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.
- Store the mower in a covered, enclosed space, out of the reach of children.

NOTICE Plastic coverings trap moisture around the mower, which causes rust and corrosion.

TROUBLESHOOTING

NOTICE For any problems which may not be solved by the solutions offered below, please remove all battery packs and re-insert them a few minutes later to restart the mower. If this doesn't solve the problem, please contact EGO customer service and have repairs performed by a qualified service technician.

PROBLEM	CAUSE	SOLUTION
<p>The electric zero turn mower fails to drive when the two steering levers are pushed forward or backward.</p>	<ul style="list-style-type: none"> ■ The combined charge capacity of the inserted batteries is not sufficient. ■ The parking-brake pedal is set in the parking-brake position. ■ The steering levers are not in the open position when starting the mower. ■ The operator is not sitting on the seat. ■ The seat safety interlock system is not connected properly. ■ Under extreme cold weather, the driving function may not start successfully due to the machine's low temperature self-protection. 	<ul style="list-style-type: none"> ■ Insert batteries with sufficient capacity. For best performance, we recommend use of EGO batteries that total 30Ah or greater. ■ Fully depress the parking-brake pedal to release it from the parking-brake position. ■ Return the steering levers to the open position and restart the mower. ■ The mower can only be operated when the operator is properly sitting on the seat. ■ Remove the batteries from the mower and disassemble the seat in the reverse order of the instructions in section "INSTALLING THE SEAT" to inspect the seat switch connection. Reassemble the seat and follow the instructions in "STARTING THE ELECTRIC ZERO TURN MOWER" to restart the mower to see if the mower can be started. If not, please contact EGO customer service and have repairs performed by a qualified service technician. ■ Always store the mower and batteries in a warm environment. Restart the mower when it is warmed up. When the LCD screen displays the too cold pop-up window, do not make repeated attempts to operate the mower, as it may damage the machine. Recommended operating temperature is 32 °F–104 °F (0 °C–40 °C).

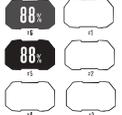
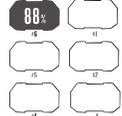
PROBLEM	CAUSE	SOLUTION
<p>The electric zero turn mower stops driving.</p>	<ul style="list-style-type: none"> ■ Steering levers require a “reset”. ■ Failure of electronic components of the steering levers. ■ The seat safety interlock system got disconnected while driving on a rough terrain. ■ The operator's weight is not evenly distributed on the seat. The weight of the operator on the seat must be at least 44 lbs (20 kg) for the seat safety interlock system to function properly. ■ The parking-brake pedal is depressed to slow down the driving speed. Once the parking-brake pedal is depressed far enough, even if it is not in the parking-brake position, the mower will stop. 	<ul style="list-style-type: none"> ■ Return the steering levers to the open position and restart the mower. ■ Please contact EGO customer service and have repairs performed by a qualified service technician. ■ Remove the batteries from the mower and disassemble the seat in the reverse order of the instructions in section "INSTALLING THE SEAT" to inspect the seat switch connection. Reassemble the seat and follow the instructions in "STARTING THE ELECTRIC ZERO TURN MOWER" to restart the mower to see if the mower can be started. If not, please contact EGO customer service and have repairs performed by a qualified service technician. ■ Sit on the seat properly, fully depress the parking-brake pedal and release it, then check the LCD screen if the mower is ready for driving. ■ Disconnect and attach the batteries again if necessary.
<p>The driving mode cannot be adjusted while driving.</p>	<ul style="list-style-type: none"> ■ This is a feature of the electric zero turn mower for safe driving. 	<ul style="list-style-type: none"> ■ The function will activate only when the steering levers are unfolded to the open position.
<p>The electric zero turn mower fails to start the blades when the PTO button is activated. The blade speed indicator on the LCD screen and the PTO button light flash red.</p>	<ul style="list-style-type: none"> ■ The combined charge capacity of the inserted batteries is not sufficient. ■ The mower is overloaded when the blades start to rotate, triggering the blade motors self-protection. ■ Under extreme cold weather, the blade motor may not start successfully due to the machine's low temperature self-protection. ■ The mower deck is deformed and interferes with the motion of the blades. ■ The operator raises off the seat when the blades are rotating. 	<ul style="list-style-type: none"> ■ Insert batteries with sufficient capacity. For best performance, we recommend use of EGO batteries that total 30Ah or greater. ■ Start cutting the grass using the lowest blade speed (Level 1/ECO mode) first and do not accelerate the blade speed until the blades are rotating successfully. ■ Always store the mower and batteries in a warm environment. Restart the mower when it is warmed up. When the LCD screen displays the too cold pop-up window, do not make repeated attempts to operate the mower, as it may damage the machine. Recommended operating temperature is 32 °F–104 °F (0 °C–40 °C). ■ Call EGO Customer Service. ■ This is a safety feature. Press the PTO button, the blade speed indicator and the PTO button light will stop flashing.

PROBLEM	CAUSE	SOLUTION
<p>The blades stop rotating during grass cutting.</p>	<ul style="list-style-type: none"> ■ The mower is overloaded. ■ The deck is clogged with grass and debris. ■ The mower is overheated. ■ One or more of the battery packs in the mower's battery compartments are overheated, resulting in an insufficient combined charge capacity of all inserted batteries. ■ The battery charge is lower than 3%. ■ The mower is hit by a foreign object, resulting in motor self-protection. 	<ul style="list-style-type: none"> ■ Raise the deck cutting height or slow down the driving speed to reduce the load of the mower. ■ Clean the deck and make certain that the blades have freedom of movement. ■ Reduce the load of the mower by raising the deck cutting height or slowing down the blade/driving speed, and allow the mower to cool. ■ 1. The mower can continue working if the combined battery capacity, overheated battery excluded, is sufficient to start the mower. Once the overheated battery returns to normal temperature, it will join in powering the mower. 2. If the combined battery capacity is not sufficient, the mower will not work until more battery packs are inserted into the vacant battery compartments. 3. Reduce the load of the mower by raising the deck cutting height or slowing down the driving speed when resuming operation. ■ When the battery charge is lower than 3%, the blades can only cut a very limited amount of grass. Upon encountering tall and/or dense grass, blades will stop rotating. The operator should drive to the battery charging area as soon as possible. ■ Press the PTO button to turn off the blade motors and then press the PTO button for more than 3 seconds to restart them.
<p>The audio indicator continues beeping.</p>	<ul style="list-style-type: none"> ■ The mower stops driving on a slope and the operator is off the seat without setting the parking-brake pedal in the parking-brake position. 	<ul style="list-style-type: none"> ■ Set the parking-brake pedal in the parking-brake position before leaving the mower on the slope.
<p>The LCD screen fails to display the operator interface.</p>	<ul style="list-style-type: none"> ■ Start/stop button has been pressed for less than 3 seconds. 	<ul style="list-style-type: none"> ■ The LCD screen will only display the fuel gauge interface when the start/stop button is pressed briefly. ■ The LCD screen will turn on and display the operator interface after pressing the start/stop button for approximately 3 seconds.
<p>The mower cuts unevenly, with significant height difference front-to-rear.</p>	<ul style="list-style-type: none"> ■ The blades are dull. ■ The blades are bent. ■ The deck is not level, resulting in different cutting blade heights. 	<ul style="list-style-type: none"> ■ Sharpen or replace the cutting blades as instructed in this manual. ■ Replace the bent cutting blades following the instructions in section "REPLACING THE CUTTING BLADE". ■ Level the deck following the instructions in section "LEVELING THE DECK".

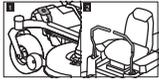
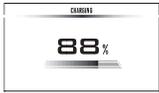
PROBLEM	CAUSE	SOLUTION
The actual grass cutting height is not aligned with the set deck cutting height.	<ul style="list-style-type: none"> ■ The front-to-rear adjustment of the deck is not correct. ■ The deck is damaged or seriously worn. 	<ul style="list-style-type: none"> ■ Follow the instructions in section "LEVELING THE DECK" to make correct front-to-rear adjustment by adjusting the two nuts on the suspension linkage. ■ Follow the instructions in section "REMOVING THE DECK" to have the mower deck replaced.
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 cutting height.
There is excessive vibration coming from the mower.	<ul style="list-style-type: none"> ■ The cutting blades are loose. ■ The blades are bent. ■ The deck is not level. ■ The deck is set to cut too much grass at once. 	<ul style="list-style-type: none"> ■ Tighten the blade bolt to the recommended torque 36–41 ft-lb (50–55 Nm). ■ Replace the bent cutting blades following the instructions in section "REPLACING THE CUTTING BLADE". ■ Level the mower deck following the instructions in section "LEVELING THE DECK". ■ Raise the deck cutting height.
There is grass or debris remaining on the ground after mowing.	<ul style="list-style-type: none"> ■ The grass is tall and the deck height is set too low. The mower is being asked to cut too much grass at once. ■ The grass is wet. ■ The driving speed is too fast. ■ The blade speed is too low. 	<ul style="list-style-type: none"> ■ Begin with a high cutting height and reduce it until the desired mowing result is attained. Grass over 6 inches (152 mm) tall should be mowed twice, at successively lower cutting heights. ■ Do not mow when the grass is wet. Wait until the grass dries. ■ Slow down the driving speed. ■ Increase the blade speed gradually.
Short run time of the mower with the attached batteries.	<ul style="list-style-type: none"> ■ Lawn terrain, grass conditions, cutting-height setting, driving speed, blade speed, etc. will greatly affect the running time. 	<ul style="list-style-type: none"> ■ Refer to section "TIPS TO INCREASE THE RUN TIME" for instructions.
The mower is not tracking straight.	<ul style="list-style-type: none"> ■ The tire pressures for the left and right rear wheels are different. ■ The driving speed for the left and right rear wheels are different. 	<ul style="list-style-type: none"> ■ Check and adjust the air pressure in both rear wheel tires, according to the recommendation in section "CHECKING THE TIRE PRESSURE" in this manual. ■ Calibrate the steering levers following the instructions in section "CALIBRATING THE STEERING LEVERS".
The parking-brake pedal cannot be released from the parking-brake position or is slow to spring back.	<ul style="list-style-type: none"> ■ The travel path of the parking-brake pedal is clogged with debris. 	<ul style="list-style-type: none"> ■ Check and remove the debris.

PROBLEM	CAUSE	SOLUTION
The mower cannot be charged via charging port.	<ul style="list-style-type: none"> ■ The plug of the charger is not inserted correctly into the charging port on the mower. 	<ul style="list-style-type: none"> ■ Reconnect the charger plug to see whether the mower can be charged normally.
	<ul style="list-style-type: none"> ■ There is no power in the wall outlets. 	<ul style="list-style-type: none"> ■ No action is needed. Wait until the power recovers.
	<ul style="list-style-type: none"> ■ Charger malfunction. 	<ul style="list-style-type: none"> ■ Please contact EGO customer service and have the charger inspected and/or repaired if needed by a qualified service technician.
	<ul style="list-style-type: none"> ■ The charger port on the mower is faulty. 	<ul style="list-style-type: none"> ■ Please contact EGO customer service and have repairs performed by a qualified service technician.
The charging time via the mower charging port is too long.	<ul style="list-style-type: none"> ■ The charger is not suitable. 	<ul style="list-style-type: none"> ■ Use EGO charger CHV1600/CHV1600-FC/CHV0800/CHV0800-FC for charging the electric zero turn mower directly.
The batteries cannot be fully charged via the mower charging port.	<ul style="list-style-type: none"> ■ The battery pack or the charger failed. 	<ul style="list-style-type: none"> ■ Reset the charger by unplugging the charger and waiting for longer than 1 min. Then reconnect the plug to the power supply. If this does not solve the problem, call EGO Customer Service.
The mower cannot be started after cleaning.	<ul style="list-style-type: none"> ■ Improper cleaning, such as water getting on the electric components, LCD screen etc. 	<ul style="list-style-type: none"> ■ Follow the instructions in section “GENERAL MAINTENANCE” to clean the mower correctly. Leave it for over 12 hours to dry or use compressed air to dry it.
The deck gets clogged after mowing for a short time.	<ul style="list-style-type: none"> ■ The deck was not properly cleaned after previous use. 	<ul style="list-style-type: none"> ■ Clean the mower deck after each use, following the section “Using the wash port to clean the deck”.
The mower easily loses traction when climbing up on a slope.	<ul style="list-style-type: none"> ■ The tires of the rear wheels are worn. 	<ul style="list-style-type: none"> ■ Seek local service to replace the rear wheel tires.
	<ul style="list-style-type: none"> ■ Mowing on a steep slope. 	<ul style="list-style-type: none"> ■ The mower should not be used to mow slopes steeper than 15 degrees.
When the mower is stopped on a slope with the parking-brake pedal engaged, the mower can roll down the slope.	<ul style="list-style-type: none"> ■ The brake components are excessively worn due to improper operation of the mower. 	<ul style="list-style-type: none"> ■ Please contact EGO customer service and have repairs performed by a qualified service technician.
There is no water coming from the wash port when attempting to wash the deck.	<ul style="list-style-type: none"> ■ The wash-port quick coupler is not properly mounted onto the wash port. 	<ul style="list-style-type: none"> ■ Re-attach the wash-port quick coupler until you hear a clear click after firmly pushing. If it does not work, contact EGO Customer Service.
An abnormal sound is heard when manually pushing the mower without starting it.	<ul style="list-style-type: none"> ■ The sound comes from the magnets inside the driving motors. 	<ul style="list-style-type: none"> ■ It is normal and no action is needed.

MOWER STATUS REFERENCE

LCD Display	Description	Audio Indicator	Cause	Solution
	Safety key icon flashes on the fuel gauge interface.	No	The safety key is not inserted in the machine.	Insert the safety key or follow the app's instructions to unlock the screen.
	Parking-brake icon flashes on the home menu page.	Keeps beeping	The mower is parked on a slope and the operator leaves the mower without setting the parking-brake pedal in the parking-brake position.	Set the brake pedal in the parking-brake position. The parking-brake icon will stop flashing and the audio indicator will stop beeping.
	The ready indicator turns off on the home menu page.	No	The mower is not ready to drive.	The ready indicator displays only when the operator sits on the seat, releases the parking-brake pedal, and then folds the steering levers in the neutral position.
	The blade speed indicator flashes on the home menu page.	No	The blades fail to start when the PTO button is activated.	Press the PTO button and the blade speed indicator will display green. Follow the section "TROUBLESHOOTING", and restart the blades.
	The icon of an occupied battery compartment is red on the battery state of charge page.	No	The indicated battery pack is faulty.	Replace with a functional battery pack.
	The icon of an occupied battery compartment is orange on the battery state of charge page.	No	The battery pack is overheated or too cold.	<ol style="list-style-type: none"> 1. The mower can continue working if the combined battery capacity, overheating/cold battery excluded, is sufficient to start the mower. Once the affected battery returns to normal temperature, it will join in powering the mower. 2. If the combined battery capacity is not sufficient, the mower will not work until more functional battery packs are inserted into the vacant battery compartments. 3. Reduce the load of the mower by raising the deck cutting height or slowing down the blade/driving speed when resuming operation.
	The icon of the empty battery compartment flashes on the battery state of charge page.	No	Battery capacity is not sufficient to allow the mower to work.	In order to start the mower, sufficient EGO battery capacity is required. For best performance, we recommend use of EGO batteries that total 30Ah or greater.

LCD Display	Description	Audio Indicator	Cause	Solution
	<p>A LOW POWER pop-up window displays on the LCD screen. Press the start/stop button or the settings button to close the pop-up. The low power alert then displays above the fuel gauge percentage on the home menu page.</p> <p>When the battery charge becomes approximately lower than 10%, the pop-up window will close automatically after several seconds.</p>	Beep	The battery charge becomes approximately lower than 10%.	Charge the batteries.
		Keeps beeping	The battery charge becomes approximately lower than 3% while the blades are running.	
		No	The battery charge becomes approximately lower than 3% without the blades turned on.	
	<p>A pop-up window of overheating/too cold/overload fault(s) display on the LCD screen. Press the start/stop button or the settings button to close the pop-up. The fault then displays above the fuel gauge percentage on the home menu page.</p>	No	Drive System Overheating/Too Cold	Restart the mower after the temperature returns to normal and the warning will disappear.
			Blade System Overheating/Too Cold	Re-engage the PTO button after the temperature returns to normal and the warning will disappear.
			EMS Overheating/Too Cold	Restart the mower after the temperature returns to normal and the warning will disappear.
			Drive System Overload	Open then close the Steering Levers.
			Blade System Overload	Re-engage the PTO button.
	<p>The module faults indicator and the quantity of faults display above the fuel gauge percentage on the home menu page, and the settings button light is flashing. Press the settings button to navigate to the status page where the fault code and details of the module faults can be seen.</p>	Beep for major fault	The module indicated by the fault code is malfunctioning.	Refer to the section “FAULT CODE REFERENCE” for further instructions. Press the settings button to navigate to the status page and follow the instructions on the LCD screen.
	<p>The pop-up window displays on the LCD screen after pressing the PTO button.</p>	No	The operator is not sitting on the seat.	The operator should sit on the seat and then press the PTO button.

LCD Display	Description	Audio Indicator	Cause	Solution
	The pop-up window displays on the LCD screen when folding the steering levers to the neutral position.	No	The steering levers are folded before the operator sits on the seat or disengages the parking-brake pedal.	The operator should sit on the seat, disengage the parking-brake pedal, and then fold the steering levers in the neutral position. If the steps are not performed in the correct order, return the steering levers to the open position and fold them to neutral again.
	The fuel gauge indicator is not in flowing style and there is no lightning indicator displayed on the LCD screen during charging.	No	There is no power in the wall outlet or the other end of the charger is not plugged in to the wall outlet.	Check and make sure the other end of the charger is properly connected to a functional 120V household outlet.
	The text "ERROR:CHARGER FAULT" displays above the fuel gauge percentage during charging.	No	Charger fault.	Check and make sure the other end of the charger is properly connected to a functional 120V household outlet, or the charger plug is removed from the mower after charging is completed. If this doesn't solve the problem, please contact EGO customer service.
	The text "ERROR: (MODULE FAULT CODE)" displays above the fuel gauge percentage during charging.	No	Module fault.	Disconnect the charger from the mower. Refer to the section " FAULT CODE REFERENCE " for further instructions. Or press the settings button to navigate to the status page and follow the instructions on the LCD screen.

FAULT CODE REFERENCE

NOTICE For any fault codes that appear on the LCD screen but are not listed below, please contact EGO customer service and have repairs performed by a qualified service technician.

Driving Module

Fault Code	Description	Solution
LD 0301	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0302	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0305	Left Drive Motor Wiring Issue	Contact EGO Customer Service or authorized dealers.
LD 0309	Left Drive Motor Fault	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. Please contact EGO Customer Service for repairing or authorized dealers.
LD 0326	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0348	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0351	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0352	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0355	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0356	Left Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LD 0363	Left Drive Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
LD 0364	Left Drive Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
RD 0401	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0402	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0405	Right Drive Motor Wiring Issue	Contact EGO Customer Service or authorized dealers.
RD 0309	Right Drive Motor Fault	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
RD 0426	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0448	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0451	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.

Fault Code	Description	Solution
RD 0452	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0455	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0456	Right Drive Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RD 0463	Right Drive Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
RD 0464	Right Drive Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.

Blade Module

Fault Code	Description	Solution
LB 0501	Left Blade Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LB 0502	Left Blade Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LB 0505	Left Blade Motor Wiring Issue	Contact EGO Customer Service or authorized dealers.
LB 0526	Left Blade Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
LB 0553	Left Blade Motor Controller Communication Error	Contact EGO Customer Service or authorized dealers.
LB 0563	Left Blade Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Re-engage the PTO Button. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
LB 0564	Left Blade Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Re-engage the PTO Button. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
RB 0601	Right Blade Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RB 0602	Right Blade Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RB 0605	Right Blade Motor Wiring Issue	Contact EGO Customer Service or authorized dealers.
RB 0626	Right Blade Motor Controller Fault	Contact EGO Customer Service or authorized dealers.
RB 0653	Right Blade Motor Controller Communication Error	Contact EGO Customer Service or authorized dealers.
RB 0663	Right Blade Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Re-engage the PTO Button. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.

Fault Code	Description	Solution
RB 0664	Right Blade Motor Controller Communication Error	<ol style="list-style-type: none"> 1. Re-engage the PTO Button. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.

Parking Module

Fault Code	Description	Solution
PM 0801	Parking Switch Fault	Contact EGO Customer Service or authorized dealers.
PM 0806	Headlight Fault	Contact EGO Customer Service or authorized dealers.
PM 0863	Parking Module Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
PM 0864	Parking Module Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.

EMS Module

Fault Code	Description	Solution
EMS 0901	EMS Fault	Contact EGO Customer Service or authorized dealers.
EMS 0902	EMS Fault	Contact EGO Customer Service or authorized dealers.
EMS 0903	EMS Fault	Contact EGO Customer Service or authorized dealers.
EMS 0910	EMS Communication Error - Battery Compartment #1	<ol style="list-style-type: none"> 1. Replace the battery from another compartment. 2. If step 1 doesn't fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0920	EMS Communication Error - Battery Compartment #2	<ol style="list-style-type: none"> 1. Replace the battery from another compartment. 2. If step 1 doesn't fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0930	EMS Communication Error - Battery Compartment #3	<ol style="list-style-type: none"> 1. Replace the battery from another compartment. 2. If step 1 doesn't fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0940	EMS Communication Error - Battery Compartment #4	<ol style="list-style-type: none"> 1. Replace the battery from another compartment. 2. If step 1 doesn't fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0950	EMS Fault	Contact EGO Customer Service or authorized dealers.

Fault Code	Description	Solution
EMS 0963	EMS Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0964	EMS Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0970	EMS Communication Error - Battery Compartment #5	<ol style="list-style-type: none"> 1. Replace the battery from another compartment. 2. If step 1 doesn't fix the problem, then contact EGO Customer Service or authorized dealers.
EMS 0980	EMS Communication Error - Battery Compartment #6	<ol style="list-style-type: none"> 1. Replace the battery from another compartment. 2. If step 1 doesn't fix the problem, then contact EGO Customer Service or authorized dealers.

Switch Module

Fault Code	Description	Solution
SM 1001	Switch Module Fault	Contact EGO Customer Service or authorized dealers.
SM 1063	Switch Module Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
SM 1064	Switch Module Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If Step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.

LCD Module

Fault Code	Description	Solution
DS 1501	Display Screen Communication Error	<ol style="list-style-type: none"> 1. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 2. If Step 1 does not fix the problem, then contact EGO Customer Service or authorized dealers.
DS 1515	Display Screen Communication Error	<ol style="list-style-type: none"> 1. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 2. If Step 1 does not fix the problem, then contact EGO Customer Service or authorized dealers.
DS 1536	Display Screen Fault	Contact EGO Customer Service or authorized dealers.
DS 1537	Display Screen Fault	Contact EGO Customer Service or authorized dealers.

Fault Code	Description	Solution
DS 1538	Display Screen Fault	Contact EGO Customer Service or authorized dealers.
DS 1563	Display Screen Communication Error	<ol style="list-style-type: none"> 1. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 2. If Step 1 does not fix the problem, then contact EGO Customer Service or authorized dealers.
DS 1564	Display Screen Communication Error	<ol style="list-style-type: none"> 1. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 2. If Step 1 does not fix the problem, then contact EGO Customer Service or authorized dealers.

Steering Lever Module

Fault Code	Description	Solution
RL 1763	Right Steering Lever Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
RL 1764	Right Steering Lever Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
LL 1863	Left Steering Lever Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.
LL 1864	Left Steering Lever Controller Communication Error	<ol style="list-style-type: none"> 1. Open then close the Steering Levers. 2. Remove all batteries, reinsert them after 30 seconds, and then restart the mower. 3. If step 1 and 2 do not fix the problem, then contact EGO Customer Service or authorized dealers.

EGO LIMITED WARRANTY

WARRANTY POLICY TERMS AND DURATION

Chervon North America, Inc. (“Chervon North America, Naperville, IL 60563”) provides the following Limited Warranty for EGO products to the original purchaser of EGO products.

The detailed warranty period for each EGO product can be found online at

<http://egopowerplus.com/warranty-policy>.

Please contact EGO Customer Service Toll-Free at 1-877-346-9876 (877-EGO-ZTRM) any time you have questions or warranty claims.

LIMITED SERVICE WARRANTY

EGO products are warranted against defects in material or workmanship from the date of original retail purchase for the applicable warranty period. For any properly and timely submitted warranty claim, if Chervon North America determines a product to be defective during the warranty period, the product will receive free repair or replacement as determined by Chervon North America.

HOW TO OBTAIN SERVICE

For warranty service, within the applicable warranty period, please contact EGO customer service toll-free at **1-877-346-9876 (877-EGO-ZTRM)**. When requesting warranty service, you must present the original dated sales receipt. An authorized service center will be selected to evaluate and repair the product if defective according to the stated warranty terms. When bringing your product to the authorized service center, there may be a small deposit that will be required when dropping off your tool. This deposit is refundable when the repair service is deemed to be covered under warranty. The purchaser is responsible for transportation of any outdoor power equipment or attachments at their expense.

ADDITIONAL LIMITATIONS & EXCLUSIONS

This limited warranty applies only to the original purchaser from an authorized EGO retailer and is not transferable. EGO products shall not be considered defective, and this warranty will not apply, where the claimed defect is attributable to any cause other than the above-defined defects. This warranty shall be void if the product has been used for rental purposes. This warranty shall not apply to damage caused by accident, abuse, misuse, alteration, modification, unauthorized repair, liquid contact, fire, earthquake or other external cause; operating the product outside EGO’s instructions, specifications or guidelines; or failure to properly service or maintain the product. This warranty also does not apply to cosmetic damage, including but not limited to scratches or dents; defects caused by normal wear and tear or otherwise due to the normal aging of the product.



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For customer service contact us toll-free at: **1-877-346-9876 (877-EGO-ZTRM)** or **EGOPOWERPLUS.COM**.

EGO Customer Service

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