



HONDA

OWNER'S MANUAL

ProZision™

**HZ60SXB
HZ54SXB**

Before operating the mower for the first time, please read this Owner's Manual. Even if you have operated other zero-turn-radius mowers, take time to become familiar with how this mower works and practice in a safe area until you build up your skills.

QUICK FIND

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QUESTIONS?

Contact your Honda dealer.

There is a dealer locator at powerequipment.honda.com



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WELCOME

Congratulations on your selection of a Honda lawn mower! We are certain you will be pleased with your purchase of one of the finest lawn mowers on the market. We want to help you get the best results from your new mower and to operate it safely. This manual contains information on how to do that; please read it carefully.

When your mower requires scheduled maintenance, keep in mind that Honda Power Equipment servicing dealership personnel are specially trained to service Honda lawn mowers and are supported by the parts and service divisions of American Honda.

Please read the *DISTRIBUTOR'S LIMITED WARRANTY* on [page 42](#) to fully understand what is covered by the warranty and your responsibilities of ownership.

FOR YOUR SAFETY

Your safety and the safety of others are very important. We have provided important safety messages in this manual and on the mower. This information alerts you to potential hazards that could hurt you or others. Please read these messages carefully.

Of course, it is not practical or possible to warn you about all the hazards associated with operating or maintaining a lawn mower. You must use your own good judgment.

Safety Instructions

You will find important safety information in a variety of forms:

- **Safety Labels** – on the lawn mower.
- **Instructions** – how to use this mower correctly and safely.
- **Safety Messages** – preceded by a safety alert  symbol and one of three signal words: DANGER, WARNING, or CAUTION. Each message tells you what the hazard is, what can happen, and what you can do to avoid or reduce injury. These signal words mean:

DANGER

You **WILL** be KILLED or SERIOUSLY HURT if you don't follow instructions.

WARNING

You **CAN** be KILLED or SERIOUSLY HURT if you don't follow instructions.

CAUTION

You **CAN** be HURT if you don't follow instructions.

- **Damage Prevention Messages** – You will also see other important messages that are preceded by the word NOTICE. This word means:

NOTICE

Your mower, other property, or the environment can be damaged if you don't follow instructions.

WARNING:

This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Important Message to Parents

The safety of children and adolescents is important to Honda. Lawn mowers are powerful tools, not toys. As with any equipment, bad judgments can result in serious injuries. Please ensure that before any child, adolescent, or inexperienced person begins using this machine, they:

- Possess the necessary level of physical strength and have the mental capability of using the machine safely.
- Can fully operate all controls and understand the safety instructions and warnings provided.

Honda strongly recommends that all young, inexperienced or first-time users receive initial training and supervision from a competent adult, in accordance with these instructions.

Safety Label Locations

These labels warn you of potential hazards that can cause serious injury. Read them carefully. If a label comes off or becomes hard to read, contact an authorized Honda servicing dealer for a replacement.



Safety Warnings

Failure to follow these instructions may result in unexpected injury to the user or people in the vicinity or damage to the equipment.

To ensure safe operation, thoroughly read these instructions and understand them before use:

- Do not push the handle lever to the maximum position suddenly when the vehicle is stopped. Vehicles can wheelie and rollover.
- Do not push the handle lever to the maximum position (forward) from the reverse direction, and vice versa.
- While running at high battery level, the regenerative brake becomes less effective. When the handle lever is pulled back to apply the brake, if the regenerative brake does not work, the parking brake may be triggered and the wheels may lock.
- Always drive with both hands. Do not drive with just one hand.
- Do not overreach. Keep proper footing and balance at all times.
- Do not leave a running machine unattended. Always park on level ground, disengage the cutting blades, apply the parking brake by moving the operation levers OUT, and stop the machine.
- During operation, periodically identify the status of the mower to ensure it is operating correctly.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Do not place obstacles or foreign objects in the route of drive of the mower. If such any objects are found, stop the mower and immediately remove it.
- Make sure that the lawn mower is operated correctly and safely according to the instructions and safety information in this manual.
- Avoid slippery surfaces. ALWAYS be sure of your footing.
- DO NOT operate machine without the discharge guard. Keep safety devices or guards in place and functioning properly. NEVER modify or remove a safety device. Check frequently for signs of wear or deterioration and replace as needed.
- Slow down before turning.
- If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.
- If lightning strikes the lawn mower, immediately stop using it.
- Do not use mower if a failure is found until it has been properly inspected.
- Do not use lawn mower for purposes other than the intended use of cutting grass.
- Climb up curbs at an angle or by reversing slowly for safe and stable operation and to reduce the risk of wheelie or rollover.
- Be careful stepping up to and down from high curbs, as underside of the deck may hit the curb and cause damage or instability.
- Be sure to wear appropriate protective equipment. Seats, levers, and other black parts may also be hot from direct sunlight.
- Do not work in an unnatural posture.
- Especially when working on a slope or slippery surface, watch your step so that you do not fall.
- Do not touch electrical components during or after operating the mower as they may be hot.
- When performing the following operations, be careful not to injure yourself. Daily inspection:
 - Opening and closing the charge port
 - Connecting the charge connector to the charge port
- Be careful not to drop the battery charger.
- Wear appropriate clothing such as long sleeves and long pants while driving.
- Wear protective equipment for protection against falling materials.
- Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- DO NOT put fingers, toes, or other objects inside the cutter housing while the mower is operating. If any work must be performed inside the cutter housing, be sure to turn the power switch OFF and remove the key before doing so and wear gloves.
- Avoid ejecting grass or debris toward people, or against walls or obstacles. Discharged objects may bounce in the direction of the operator. Stop the blade when passing through gravel paths.
- NEVER carry passengers.
- Do not carry children, even with the blades shut off. Children could fall off and be seriously injured or interfere with safe machine operation.
- Tragic incidents can occur if the operator is not alert to the presence of children. Children often are 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.
- The ROPS is an integral and effective safety device. Do not remove or alter the ROPS.
- Frequently inspect the roll over protection system (ROPS) and seatbelt for damage or loose hardware.
- ALWAYS wear the seatbelt while operating the unit with the ROPS in the upright position.
- DO NOT wear a seatbelt while operating the unit with the ROPS center bar in the lowered position.
- 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.
- Avoid starting and stopping on slopes. Avoid making sudden changes in speed or direction. Make turns slowly and gradually.
- Tires may lose traction mowing on moist or wet grass causing a loss of control.
- Do not allow untrained people to use the lawn mower.
- Only operators who understand English language instructions and signs should use the Mower.
- DO NOT operate machine while feeling tired, ill or under the influence of alcohol or other drugs.
- DO NOT operate the mower in rain. To reduce the risk of electrical component damage, do not expose to water.
- Only operate machine in daylight.
- Avoid holes, ruts, bumps, rocks, or other possibly hidden hazards.
- Do not tow any attachment.
- Never service damaged battery packs. Service of battery packs should only be performed by an authorized Honda dealer.
- Use caution when servicing blades. Wear gloves. Replace damaged blades. Do not repair or alter blade(s).
- Do not open Battery cover. If there seems to be something wrong with the battery, contact an authorized Honda dealer.

Lawn Mower Safety Warnings

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

Save all warnings and instructions for future reference.

1. Work Area Safety

- a) To avoid bystander contact with the moving blade or a thrown object injury, *keep the area of operation clear of all bystanders, particularly small children*. Stop the lawn mower and any attachment(s) if anyone enters the area. *Contact with the moving blade or thrown objects may result in serious personal injury or death*.
- b) Keep children and bystanders away while operating the machine. *Distractions can cause you to lose control*.
- c) Only operate the lawn mower in daylight or good artificial light and keep work area clean. *Cluttered or dark areas invite accidents*.
- d) Do not operate lawn mowers in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Lawn Mowers create sparks which may ignite the dust or fumes*.
- e) Do not use the lawn mower in bad weather conditions, especially when there is a risk of lightning. *This decreases the risk of being struck by lightning*.
- f) Thoroughly inspect the area where the lawn mower is to be used and remove all stones, sticks, wires, bones, and other foreign objects. *Thrown objects can cause personal injury or cause damage to a structure*.

2. Electrical Safety

- a) Do not operate the lawn mower in rainy or wet conditions. Water entering a lawn mower may increase the risk of electric shock.
- b) Machine and battery charger plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with an ungrounded (ungrounded) machine. *Unmodified plugs and matching outlets will reduce risk of electric shock*.

3. Personal safety

- a) Use personal protective equipment. Always wear eye protection. *Protective equipment will reduce personal injuries*.
- b) Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- c) While operating the lawn mower, always wear long pants. *Exposed skin increases the likelihood of injury from thrown objects*.
- d) While operating the lawn mower, always wear non-slip and protective footwear. Do not operate the lawn mower when barefoot or wearing open-toe footwear. *This reduces the chance of injury to the feet from contact with the moving blade*.
- e) Remove any adjusting key or wrench before turning the lawn mower on. *A wrench or a key left attached to a rotating part of the lawn mower may result in personal injury*.
- f) Keep proper footing and balance at all times. *This enables better control of the lawn mower in unexpected situations*.
- g) Stay alert, watch what you are doing and use common sense when operating a lawn mower. Do not use a lawn mower while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating a lawn mower may result in serious personal injury*.

- h) Do not let familiarity gained from frequent use of the lawn mower allow you to become complacent and ignore lawn mower safety principles. *A careless action can cause severe injury within a fraction of a second*.
- i) Do not touch blades and other hazardous moving parts while they are still in motion. *This reduces the risk of injury from moving parts*.

4. Lawn Mower use and care

- a) Use the lawn mower and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed. *Use of the lawn mower for operations different from those intended may result in a hazardous situation*.
- b) Before using the lawn mower, always visually inspect to see that the blade(s) and the blade(s) assembly are properly secured and not worn or damaged. *Loose, worn, or damaged parts may increase the risk of injury*.
- c) Keep guards and other safety devices in place, properly mounted, and in working order. *A guard or other safety device that is loose, damaged, or is not functioning correctly may result in personal injury*.
- d) Keep all cooling air inlets clear of debris. *Blocked air inlets and debris may result in overheating or risk of fire*.
- e) Do not use the lawn mower if the power (key) switch does not turn it on and off. *Any lawn mower that cannot be controlled with the switch is dangerous and must be repaired*.
- f) Do not operate the lawn mower on excessively steep slopes. *This reduces the risk of loss of control, slipping and falling which may result in personal injury*.
- g) Do not force the lawn mower. Use the correct lawn mower for your application. *The correct lawn mower will do the job better and safer at the rate for which it was designed*.
- h) Be aware of the mower and attachment discharge direction and do not point the mower discharge at anyone. *Thrown objects can cause personal injury and damage to structures*.
- i) When working on slopes, always be sure of your footing, and always drive across the face of slopes, never up or down. When changing directions on slopes, always initiate the turn toward the uphill direction. Making a turn toward the downhill direction may cause the mower to lose traction and begin sliding. Exercise extreme caution when changing direction. This reduces the risk of loss of control, which may result in personal injury.
- j) Turn the power switch off and remove the key from the lawn mower before making any adjustments, changing accessories, or storing the lawn mower. *Such preventive safety measures reduce the risk of starting the lawn mower accidentally*.
- k) Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the lawn mower in unexpected situations*.
- l) Before unclogging the blades or mower deck, turn off the motor, wait until the blade(s) comes to a complete stop, turn the power switch OFF and remove the key. The cutting blade(s) continues to rotate several seconds after the blade button is depressed. Never place any part of the body in the blade(s) area until you are certain the blade button is off and the blades have stopped rotating. *Contact with the moving cutting blade(s) may result in serious personal injury*.

- m) Before cleaning or inspecting the lawn mower, turn off the motor, wait until the blade(s) comes to a complete stop, operate the disabling device and/or remove all batteries, if removable. Accidental contact with the moving blade and moving parts may result in personal injury.
- n) Maintain the lawn mower and any approved accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the lawn mower's operation. If damaged, have the lawn mower repaired before use. *Many accidents are caused by poorly maintained lawn mowers.*
- o) Store idle lawn mowers out of the reach of children and do not allow persons unfamiliar with the lawn mower or these instructions to operate the lawn mower. *Lawn Mowers are dangerous in the hands of untrained users.*

5. Battery lawn mower use and care

- a) Recharge only with the charger specified by Honda. *A charger that is suitable for one type of battery pack(s) may create a risk of fire when used with another battery pack(s).*
- b) Follow all charging instructions and do not charge the lawn mower outside the temperature range specified in the instructions. *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*
- c) Do not use a battery or lawn mower that is damaged or modified. *Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.*
- d) Do not expose a battery pack(s) or lawn mower to fire or excessive temperature. *Exposure to fire or extreme temperatures may cause explosion.*
- e) Under abusive conditions, liquid may be ejected from the battery(ies); avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. *Liquid ejected from the battery(ies) may cause irritation or burns.*

6. Service

- a) Have your lawn mower serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the lawn mower is maintained. Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety.
- b) Never service damaged battery packs. *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

Cyber Security Measures

Monitoring during operation:

As a general rule, do not allow the machine to leave the operator's line of sight. If the operator must move away from the work area of the machine, do not leave the key inserted. Remove the key and carry it with you.

Storage Method:

As a general rule, this machine should be stored in a locked location and not outdoors. To prevent theft or damage, store it indoors or in a properly protected location. Avoid storing it outdoors and ensure the machine is protected from bad weather and unauthorized access.

Protection from local attacks by third parties:

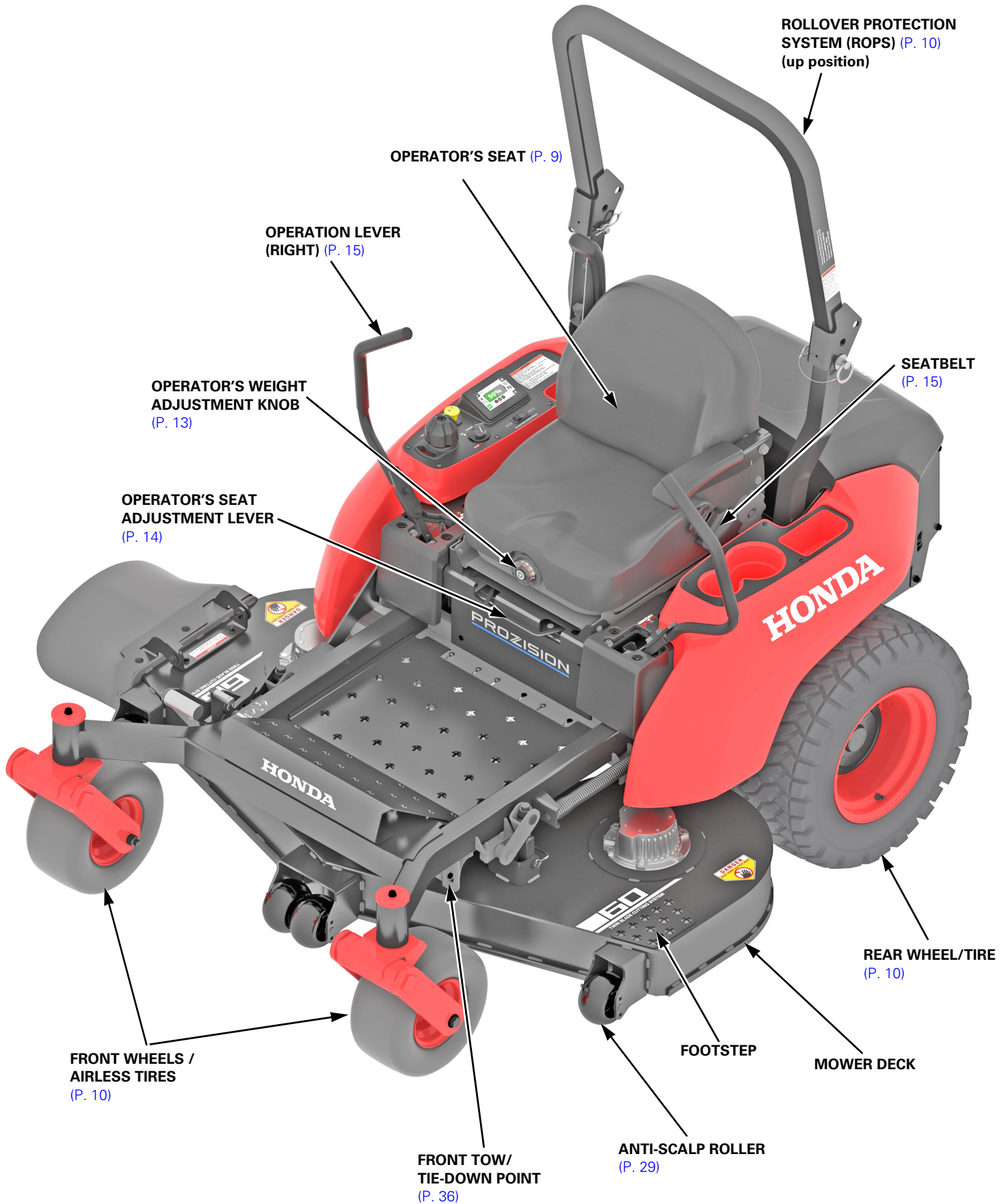
Compliance with (1) and (2) minimizes the risk of local attacks by third parties. In order to prevent unauthorized access and vandalism, please comply with these guidelines and always manage your work equipment with vigilance.

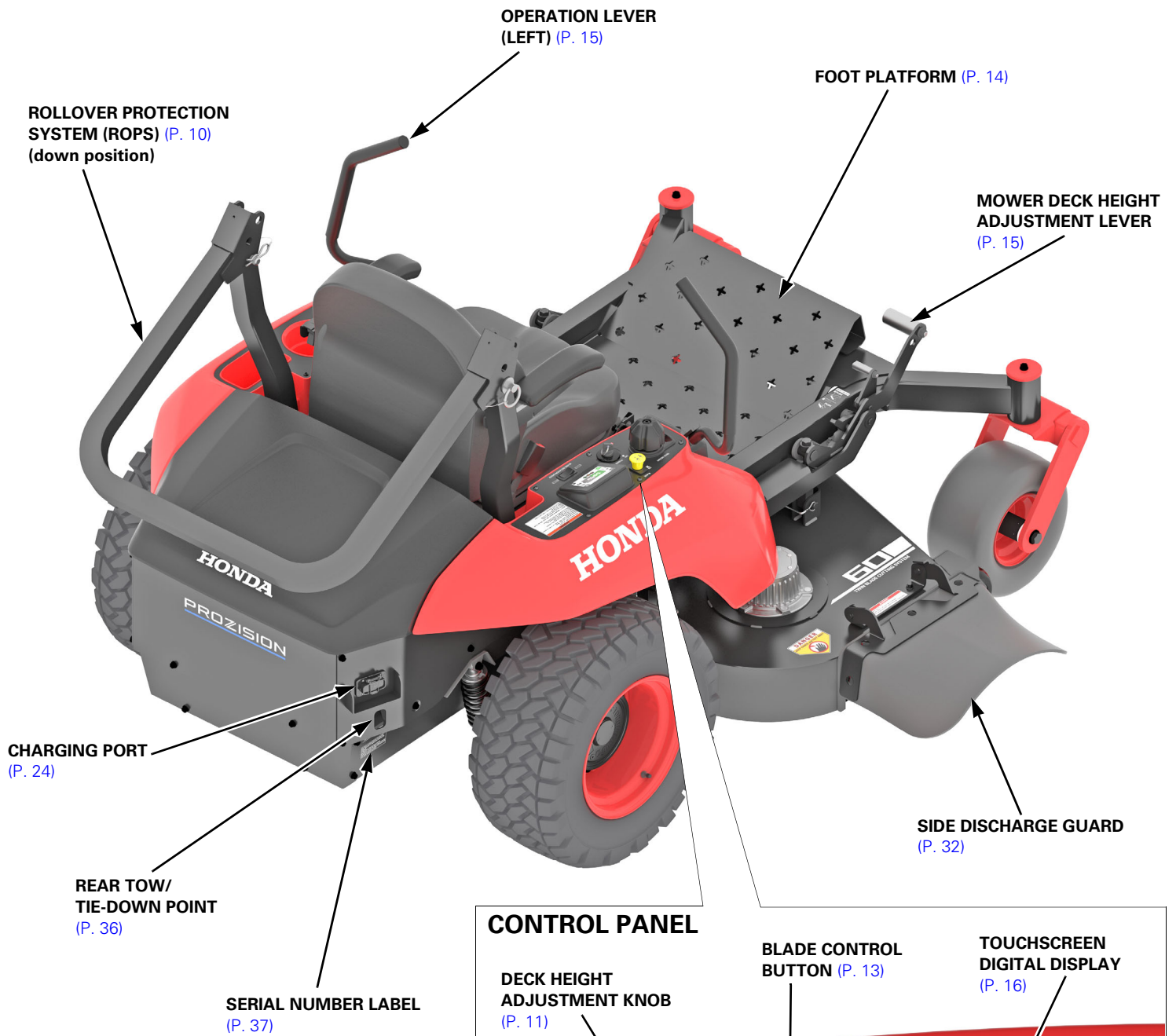
Open Source Software Notices

The software and some devices embedded in this product include open source software (OSS). No part of this owner's manual or its content limits any rights users may have under the applicable OSS licenses. To view all information and details regarding open source software, visit <https://powerequipment.honda.com/support/opensourcenotices> or scan the QR code shown.

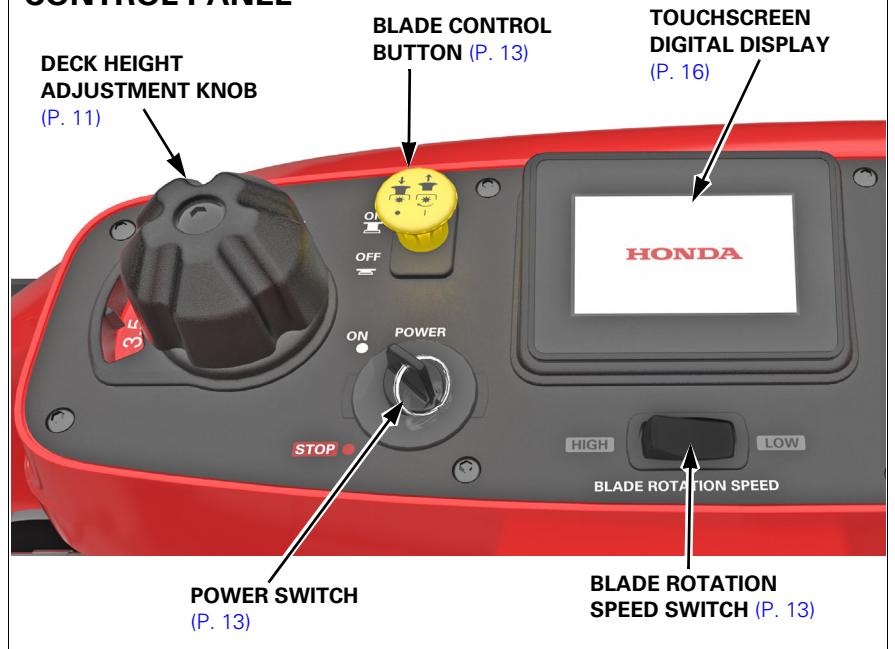


PARTS AND CONTROLS





CONTROL PANEL

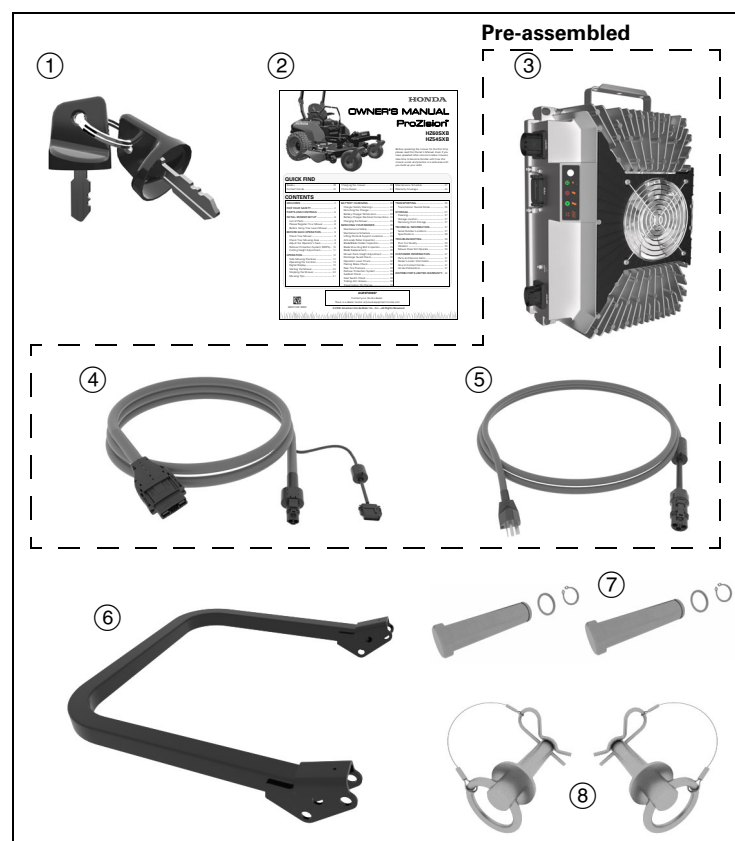


INITIAL MOWER SETUP

List of Parts

The following parts are included with your new mower. Contact the authorized Honda dealer from whom you purchased the mower if any of the loose parts shown were not included with your mower.

Ref. No.	Description	Qty.
①	Ignition Key	2
②	Owner's Manual	1
③	Battery Charger	1
④	Lawn Mower Charging Cable	1
⑤	Battery Charger Power Cord	1
⑥	Rollover Protection System (ROPS) Upper Frame	1
⑦	Pivot Pin with Wave Spring and Circlip	2
⑧	Stopper Pin with Tethered Lock Pin	2



Please Register Your Mower

Please take a few minutes and register your purchase with Honda. You can register by:

- Scanning the QR code to the right and completing the online form
- Going online to powerequipment.honda.com/reg



Before Using Your Lawn Mower

Before using the lawn mower, all mower operators must read the following sections:

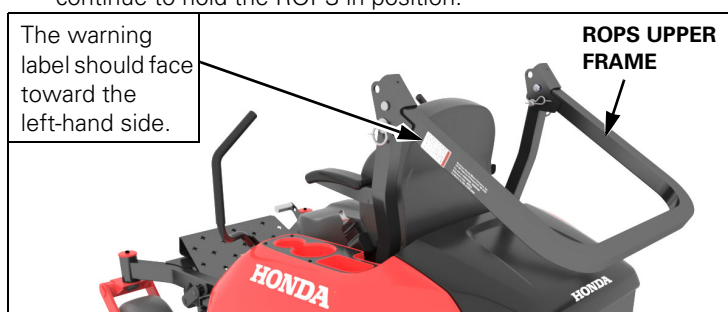
- **FOR YOUR SAFETY** (page 2)
- **BEFORE EACH OPERATION** (page 9)
- **OPERATION** (page 12)
- **MAINTENANCE SCHEDULE** (page 27)

Rollover Protection System (ROPS) Installation

The upper frame of the rollover protection system (ROPS) (page 10) must be installed prior to using the mower for the first time. To ease installation, it is recommended to install the ROPS in the DOWN position, and then moving it into the desired position before mowing.

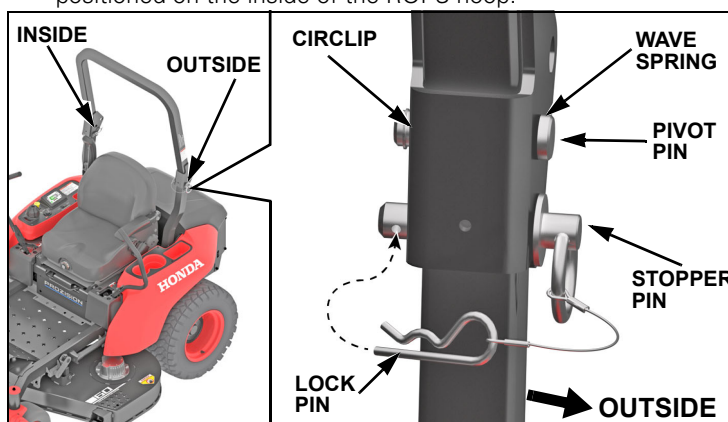
IMPORTANT: The ROPS must be installed in the correct orientation! If installed incorrectly, the ROPS will fold down forward instead of toward the rear of the mower.

1. To determine the correct ROPS installation direction, the orange warning safety label and ID label should face out toward the left-hand side of the mower, as shown below.
2. With the help of an assistant, carefully guide the two open ends of the ROPS upper frame over the ROPS lower frame, and then continue to hold the ROPS in position.



3. Align the center holes of the ROPS upper frame with the highest holes in the ROPS lower frame. Slide one wave spring over each pivot pin and then insert the two pivot pins from the outside through the center holes. Install the two circlips using a pair of circlip (snap ring) pliers.
4. Rotate the ROPS upper frame until two holes in the upper frame align with the remaining holes in ROPS lower frame, and then insert the two stopper pins and lock pins.

Install the stoppers pins from the outside so the lock pins are positioned on the inside of the ROPS hoop.



BEFORE EACH OPERATION

Your safety is your responsibility. Spending a little time in preparation will significantly reduce your risk of injury.

Read and understand this manual. Know what the controls do and how to operate them.

Familiarize yourself with the lawn mower and its operation before you begin using it. Know how to quickly shut off the lawn mower in case of an emergency.

Check Your Mower

For your safety and to maximize the service life of your lawn mower, it is very important to take a few moments before operating the lawn mower to check its condition. Be sure to address any issues you find, or have your servicing dealer correct them, before operating the lawn mower.

⚠ WARNING

Improperly maintaining this lawn mower, or failing to correct a problem before operation, could cause a significant malfunction.

Some malfunctions can seriously hurt or kill you.

Always perform a pre-operation inspection before each operation and correct any problem.

- Make sure the lawn mower is on a level surface.
- Look for signs of damage.
- Check each control for proper operation.
- Check the blades for wear. Replace as necessary (page 29).
- Check that the blade bolts are tight (page 30).
- Check that all nuts, bolts, and screws are tightened.
- Check the rear tire air pressure (page 10).
- Check the battery charge level (page 12). Starting with a full charge will help to eliminate or reduce operating interruptions for recharging.

Check Your Mowing Area

For your safety and the safety of others, always inspect the area before operating the lawn mower.

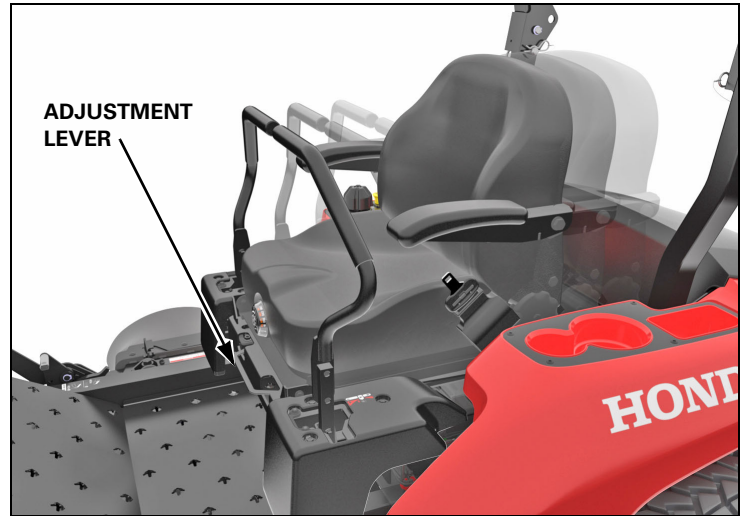
Anything that can be picked up by the blades and thrown is a potential hazard to you and others. Look for items such as stones, sticks, nails, and wire, and remove them from the lawn area.

People and animals near the lawn area can move into your lawn mower's path or into a position where thrown objects could strike them. Clear the area of pets and people, especially children. Their safety is your responsibility. Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

Check the height and condition of the grass. Adjust your lawn mower grass cutting deck height, ground speed, and mowing swath accordingly. See page 21 for mowing tips and recommendations.

Adjust the Operator's Seat

1. Sit in the operator's seat (page 14). Pull up on the adjustment lever located at the front of the seat and then slide the seat forward or backward into a seating position where your feet rest comfortably on the platform and your right foot can reach the foot-controlled mower deck height adjustment pedal.



⚠ CAUTION

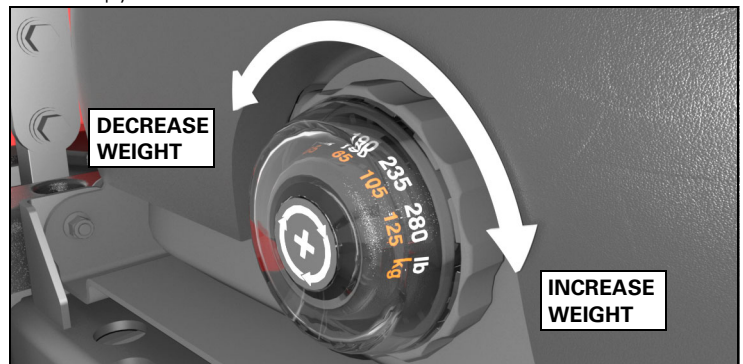
When the seat is positioned in the forward-most position, there is a gap behind the seat that the operator's hand can enter.

Sliding the operator's seat backward with your hand in the gap can hurt or injure you.

When adjusting the seat position, be careful not to get your hand caught in the gap between the fender and handle lever cover.

2. Adjust the operator's seat weight adjustment knob located in front of the seat.
 - Turn the knob **clockwise to increase** the operator body weight setting.
 - Turn the knob **counterclockwise to decrease** the operator body weight setting.

A properly adjusted seat offers a smoother ride and allows the operator to maintain better control of the lawn mower over bumpy surfaces.



Check the Wheels and Tires

Inspect the wheels and tires to ensure there are no cuts or bubbles in the rubber and the mounting bolts are all securely tightened.

Front Tires:

The front tires are an airless, semi-pneumatic rubber design and do not require any tire pressure maintenance.

Rear Tires:

Check the rear tire air pressure and adjust it as necessary.

Pressure: 12 - 14 psi (83 - 97 kPa)

NOTICE

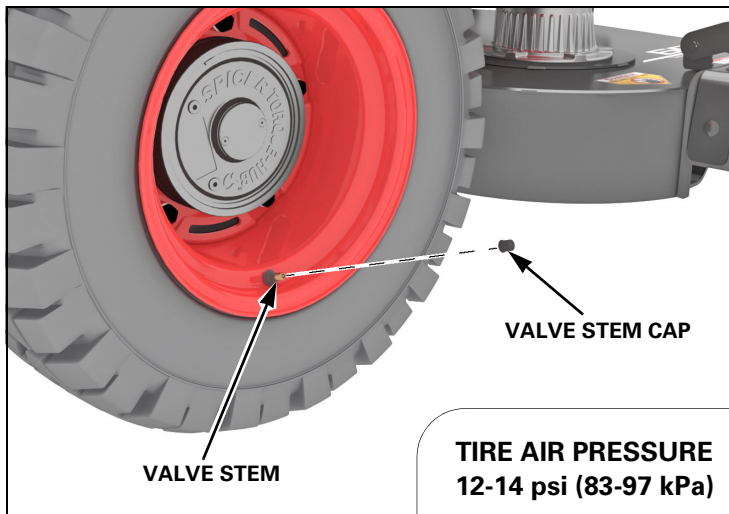
Do not over-inflate the rear tires as they may deform or become damaged.

⚠ WARNING

Inflating a tire above the recommended tire pressure may cause the tire to explode.

A tire explosion could seriously hurt or kill you.

Never inflate a tire above the recommended tire pressure.



Rollover Protection System (ROPS)

Your lawn mower is equipped with a Rollover Protection System (ROPS) to protect you and the mower in the event the lawn mower tips over on its side or flips upside down.

Inspect the ROPS and seatbelt for damage or loose hardware before each operation of the mower.

It is recommended always to leave the ROPS in the upright and locked position while mowing and wear your seatbelt fastened securely.

In the event you must mow underneath a low-hanging branch or other obstacle, the ROPS can be lowered so the mower can travel under the obstacle. Do not wear the seatbelt if the ROPS is in the down position. In the event of a rollover with the ROPS down, you need to be able to quickly vacate the operator's seat and move away from the mower. Wearing the seatbelt may not give you enough time to evacuate to safety.

IMPORTANT:

ALWAYS wear the seatbelt while operating the mower with the ROPS in the upright and locked position.

DO NOT wear the seatbelt while operating the unit with the ROPS in the lowered position.

⚠ WARNING

AVOID CRUSHING

- Keep ROPS fully extended.
- Do not jump if machine tips.
- Use seat belt.

When ROPS must be down:

- Do not use seat belt.
- Drive with extra care.

To adjust the ROPS position:

1. Remove the lock pins from both stopper pins.
2. Remove only ONE of the stopper pins and place it nearby on the same side of the mower it was removed from.

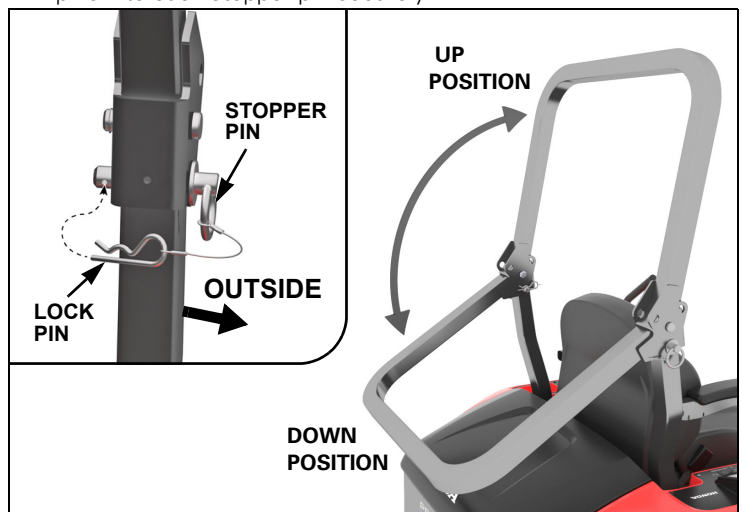
⚠ CAUTION

The ROPS is heavy and can create a pinch hazard. If both stopper pins are removed, the ROPS upper frame can unexpectedly drop.

You can be hurt or injured if the ROPS drops onto your hands or fingers while adjusting it up or down.

Be sure to move the ROPS upper frame slowly and carefully and always keep all body parts away from the hinged portion of the ROPS.

3. Hold and support the ROPS upper frame with one hand while carefully removing the remaining stopper pin that is still installed.
4. Slowly fold the ROPS upper frame into the opposite position, align the holes in the upper and lower ROPS frames, and then insert a stopper pin from the outside into one side of the ROPS.
5. Install the remaining stopper pin, and then insert the two lock pins into each stopper pin securely.



Cutting Height Adjustment

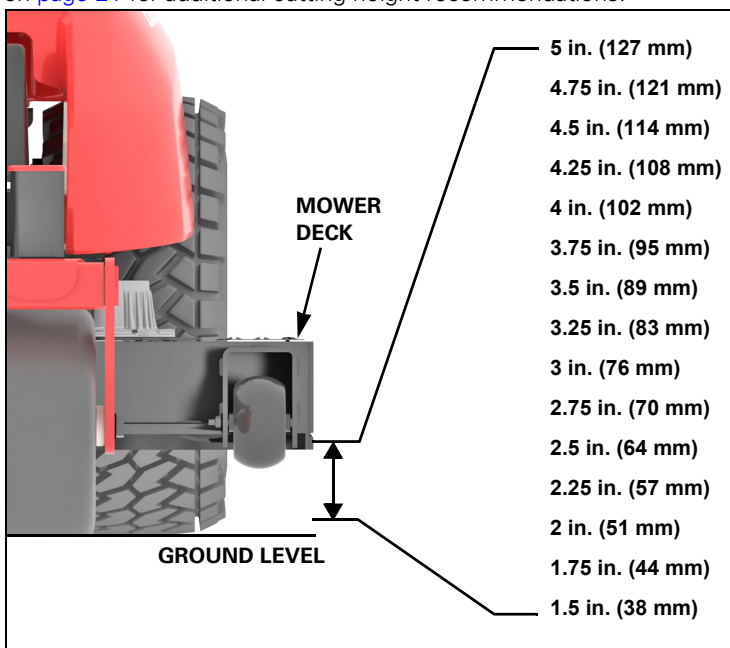
The deck height adjustment knob adjusts the grass height-of-cut and can be found on the right-hand side of the operator's seat on the control panel. Rotating the deck height adjustment knob clockwise lowers the cutting height, and turning the knob counterclockwise raises the cutting height. The actual height of cut grass will vary depending on the lawn and soil conditions.



Cutting Height Settings

The deck height adjustment knob has 15 cutting height settings from 1.5 - 5 inches in 1/4 inch increments (38 - 127 mm).

If you're unsure of the deck height to select, start with a high setting and check the lawn's appearance after mowing a small area. Readjust the deck height if necessary. Refer to the "Mowing Tips" on [page 21](#) for additional cutting height recommendations.

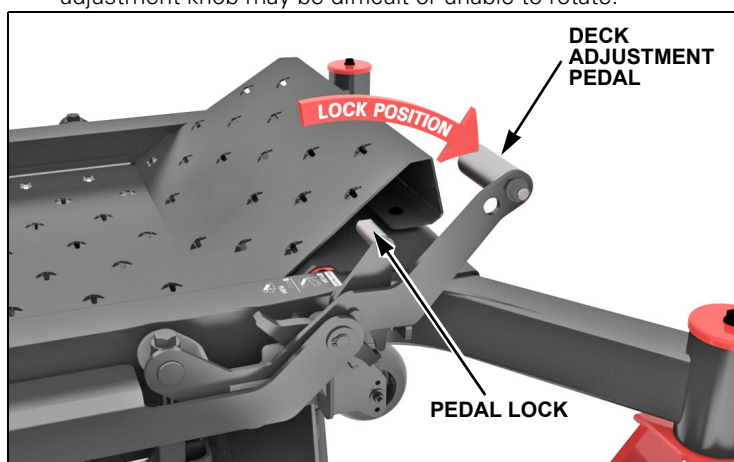


Selecting a Cutting Height

Ensure the cutting blades are turned OFF by pressing down on the Blade Control button before adjusting the cutting height.

1. Depress the mower deck adjustment pedal with your right foot until it stops, raising the mower deck to its highest position. The pedal lock will automatically engage.

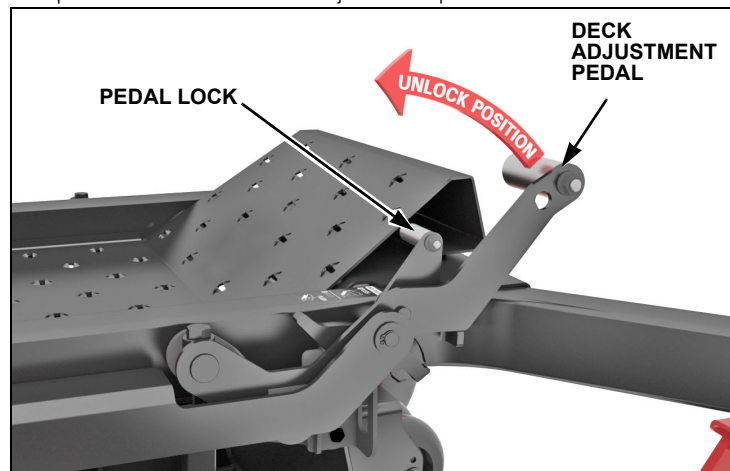
If the mower deck is not fully raised first, the deck height adjustment knob may be difficult or unable to rotate.



2. Rotate the deck height adjustment knob to the desired height.



3. Depress and hold the mower deck adjustment pedal with the ball of your foot while releasing the pedal's lock with your heel. Carefully lower the mower deck by slowly releasing foot pressure from the deck adjustment pedal.



OPERATION

Safe Mowing Practices

Most injuries and property damage with lawn mowers can be prevented if you follow all instructions in this manual and on the mower. The most common hazards are discussed below, along with the best way to protect yourself and others.

General

Do not mow backward unless absolutely necessary. Always look down and behind before and while moving backward.

Operate the mower only in daylight or good artificial light.

Do not operate the mower after consuming alcohol or drugs.

Avoid Rotating Blades

Rotating blades can cause severe cuts and even amputate fingers, hands, toes, or feet. Keep away from the mower deck whenever the blades are spinning. If you need to adjust the mower deck height or work around the deck for any other reason, always shut off the blades and move the operation levers out to the parking brake position. Wear heavy gloves, turn the power switch OFF, and remove the key when cleaning the mower deck or handling the blades.

⚠ DANGER

The blades are sharp and spin at high speed. If you come in contact with a spinning blade, it will cut you severely and can amputate fingers and toes.

- Wear protective footwear.
- Keep your hands and feet away from the mower deck while the mower is in operation.
- Turn the mower's power switch to the OFF position before performing any adjustment, inspection, or maintenance.

Clear Mowing Area

Mower blades can throw rocks and other objects with enough force to cause serious injury. Before mowing, carefully inspect the area and remove all sticks, stones, pieces of wire, and other loose objects. Never operate the blades over gravel.

NOTICE

Striking objects with the spinning blades can cause damage to the cutting blades, blade holders, blade motors, or mower deck, which is not covered by the DISTRIBUTOR'S LIMITED WARRANTY.

Keep Shields in Place

Guards and shields are designed to protect you from being hit by thrown objects and from hot parts, electrical hazards, and moving components. For your safety and the safety of others, keep all shields in place when operating the mower.

Wear Protective Clothing

Wearing protective clothing will reduce your risk of injury. Long pants and eye protection reduce the risk of injuries from thrown objects. Sturdy shoes with aggressive soles will help protect your feet.

Stop the Blades When Not Mowing

If you need to leave the mower for any reason, even to inspect the lawn ahead, always turn off the cutting blades ([page 13](#)) and engage the mower's parking brake ([page 15](#)). The blades will automatically turn off any time the operator vacates the operator's seat or either operation lever is moved into the Park position.

Avoid Slopes

Avoid steep slopes of more than 15° (27%).

Mow across slopes, not up and down. Be careful when changing direction. When mowing across slopes, it is best to start at the bottom of the slope and always make the advancing pass by turning up hill. This helps prevent the machine from losing traction and sliding down hill. Never operate the mower on wet grass. Mowing on a hill when the grass is damp or wet could cause you to lose control of the mower.



Keep all four wheels on the ground at all times. Keep a firm grip on the operation levers. Be very careful when mowing uneven or rough ground. Do not mow near drop-offs, ditches, or embankments. You could lose control, get the mower stuck, or flip the mower over.

If stuck, do not kick or shove the mower with your foot. Use an appropriate tow strap and tow vehicle to remove the mower from the hazard area safely. See [page 36](#) for transporting or towing information.

Avoid Obstacles

Gravel, loose stones, and landscaping material can be picked up by the mower and thrown many feet with enough force to cause serious personal injury and/or property damage. Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. The best way to prevent potential injury from thrown objects is to move the blade control switch to the OFF position, which stops the blades before they reach areas with gravel, loose stones, or landscaping material. Note that the blades take time to come to a complete stop.

Be careful when mowing over obstacles that stick up above the lawn surface such as sprinkler heads, paving, edging, and raised tree roots.

Before clearing an obstacle or obstruction that is stuck under the mower or mower deck, stop the blades and turn the Power switch to the OFF position. Clear the obstacle or obstruction with a stick or other suitable tool, not your hands.

If the blades hit something or the mower starts to vibrate, stop the blades and mower immediately. Move the control handles out to the

parking brake position, turn the power switch key to the OFF position, and check for damage ([page 29](#)). Striking objects may damage the blades or blade motors, and/or break the mower deck or other components. Vibration usually indicates serious trouble.

⚠ WARNING

A worn, cracked, or damaged blade can break, and pieces of the damaged blade can become dangerous projectiles.

Blades thrown from the mower could seriously hurt or kill someone.

Inspect the blades regularly (see [page 29](#)), and do not operate the mower with a worn or damaged blade.

The *DISTRIBUTOR'S LIMITED WARRANTY* ([page 42](#)) does not cover parts damaged by accidental impact collision.

Operating the Controls

Power Switch

To power the mower ON, insert the key into the power switch and turn it clockwise to the ON position. After a of couple seconds, the digital display will power up.

Turn the key counterclockwise to the STOP position any time the mower is not in use. The machine will turn off immediately, however the batteries will take 6 seconds to fully shut down.

If you plan to leave the mower unattended for an extended period, remove the key from the power switch to prevent unauthorized use or theft.



Blade Control Button

To start blade rotation, pull UP on the blade control button.

To stop blade rotation, push DOWN on the blade control button.

The blades will stop rotating if the operator presence switch is tripped, such as when the operator stands up off the seat. The blades will also stop when the operation levers are moved OUT to the parking brake position. If this happens, push the blade control button into the OFF position, and then restart the blades again while sitting in the operator's seat.



Blade Rotation Speed

The blade rotation speed switch can be set to two speeds, HIGH and LOW. The HIGH setting provides the cleanest cut, especially when cutting taller or more dense grass. If saving battery power is more

important or if the grass needs minimal trimming, the LOW speed setting can be used to balance battery life at the expense of mowing speed or cut quality.



Deck Height Adjustment Knob

Rotating the deck height adjustment knob **clockwise** lowers the cutting height, and turning the knob **counterclockwise** raises the cutting height. The knob can be adjusted to 15 height settings, ranging from 1.5 to 5.0 inches (38 to 127 mm).

Raise the mower deck into the upright and locked position before selecting a new cutting height. The deck height adjustment knob may be difficult or impossible to rotate if the mower deck is not raised completely first.



Digital Display

The mower's instrumentation, user-configured settings, and maintenance schedules are managed through a 4.3" touchscreen digital display.

See [page 16](#) for detailed instructions on screen features.

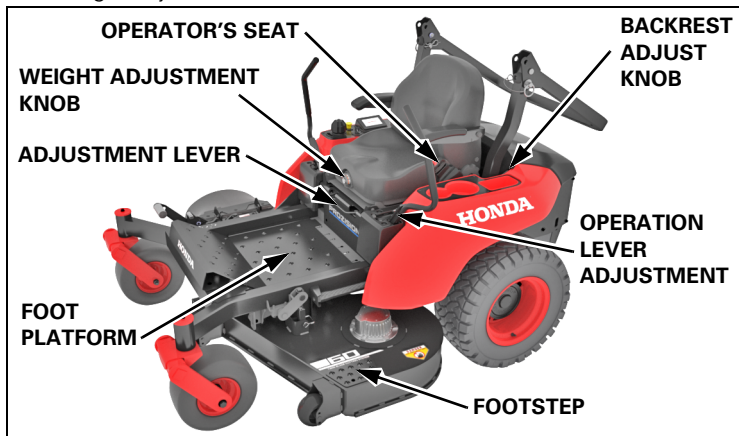


Operator's Seat

The operator's seat is part of Honda's exclusive *Ideal Operator Position System* (IOPS) that allows the seat, drive controls, and handles to move together for the best operator comfort and the safest moving position, regardless of the operator's height.

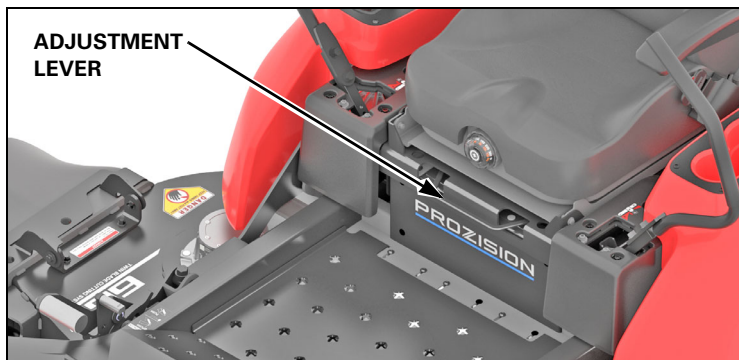
To sit in the operator's seat, only access the mower from the left-hand side. Use the footstep on the mower deck to access the foot platform in front of the operator's seat.

Sit down in the operator's seat and then adjust the seating position and weight adjustment knob, as described below.

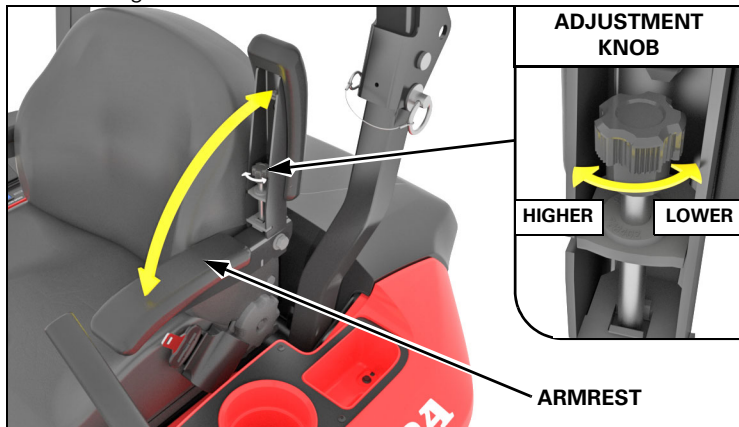


Seat Adjustment

The operator's seat can slide forward and backward using the manual lever located in front of the seat base. Lift and hold the lever up, and then slide the seat forward or backward to the desired position, being careful of pinch hazard described on [page 9](#). Adjust the angle of the seat backrest by turning the knob on the left-hand side of the seat base near the seatbelt.

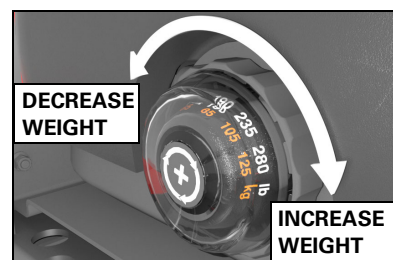


The left and right armrests can be raised or lowered for added comfort. To fine-tune the placement of the armrests when they are in the down position, there is an adjustment knob underneath each armrest pad that can be turned in or out to achieve a comfortable armrest height.



Weight Adjustment Knob

The operator's seat has suspension to provide a more comfortable ride over bumpy terrain. The weight-adjustment knob is located at the front of the seat and adjusts the softness or firmness of the seat's suspension.



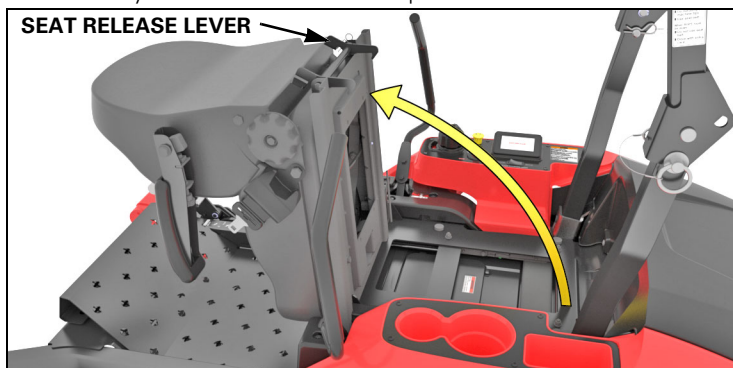
Turn the knob clockwise to increase the operator's weight setting or counterclockwise to decrease the weight setting.

Seat Tilt Feature

The operator's seat features a tilt mechanism that allows the seat to tilt forward. This feature is helpful to keep hot sunlight off the seating surface, when cleaning dirt or debris from the mower, or to keep children or pets out of the seat during idle periods.

To tilt the seat forward:

1. Turn the power switch to the OFF position and then move the operation levers OUT into the parking brake position. Be sure the foot platform is empty and nothing can obstruct the seat.
2. Locate the black release lever behind the seat, near the bottom of the seat base.
3. Push and hold the lever toward the front of the mower, and then carefully lift the rear of the seat up and fold it forward.



4. To lower the seat, carefully fold the seat down until it latches. An audible clicking sound will be heard when the latch engages. Ensure the seat is latched securely by trying to fold the seat forward again without operating the release lever.

⚠ CAUTION

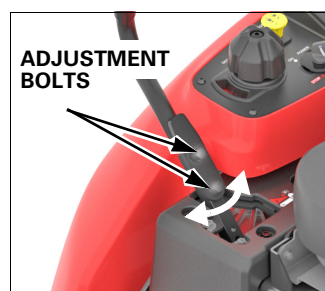
The operator's seat is heavy and can create a pinch hazard if the seat unexpectedly drops.

You can be hurt or injured if the seat drops onto your hands or fingers while lowering and raising the seat.

Be sure to lower or raise the seat slowly and carefully and always keep all body parts away from the underside of the seat as you lower or raise it.

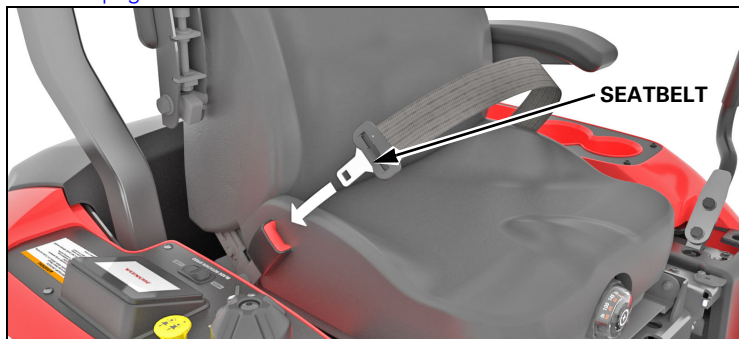
Operation Lever Adjustment

The levers can be adjusted closer or farther from the operator depending on the operator's arm length or preference by loosening the two bolts on each lever and moving the lever forward or backward. Be sure both levers are even with each other and then tighten the bolts securely.



Seatbelt

The mower's seatbelt functions exactly like an automotive seatbelt. Pull the seatbelt buckle over your lap and insert the buckle into the latch securely. An audible click will be heard when the seatbelt is fastened correctly. **Be sure to only wear the seatbelt when the Rollover Protection System (ROPS) is in the raised (UP) position.** Refer to [page 10](#) for additional ROPS information.

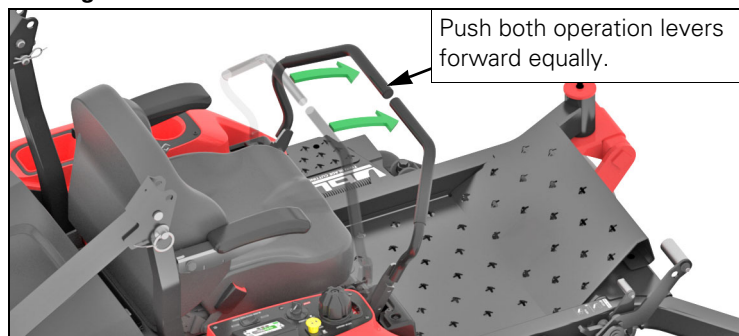


Operation Levers

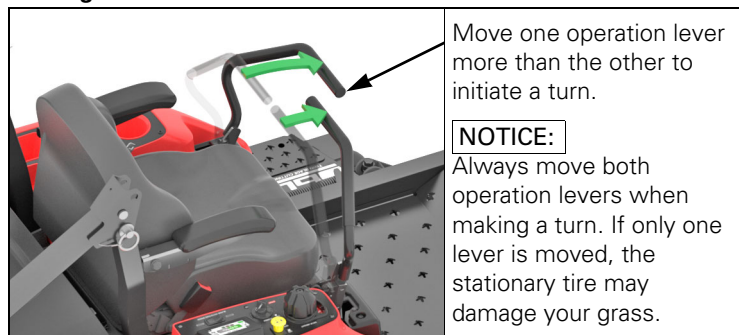
The operation levers control the mower's movement and act as the parking brake. The following information explains how the mower functions when the operation levers are moved in a specific direction. See [page 14](#) for minor operation lever adjustment.

Begin by moving the operation levers to the IN position.

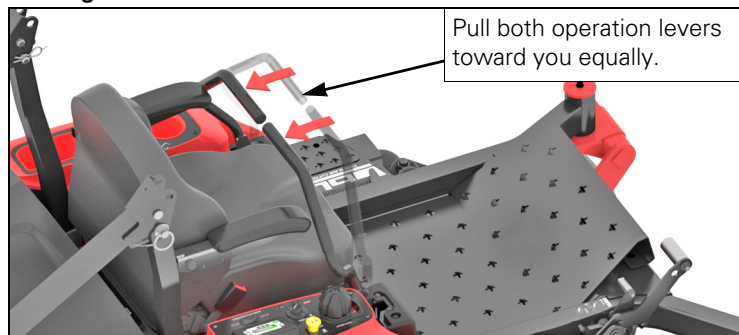
Moving Forward



Making a Turn

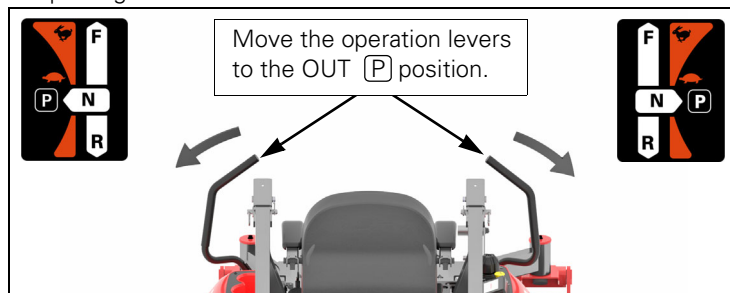


Moving Backward



Parking Brake

The parking brake is built into rear-wheel drive motors and is controlled by the two operation levers. There isn't a separate parking brake lever. When either operation lever (or both) is pushed outward into the park position, the two electric drive wheel motors engage the parking brake.

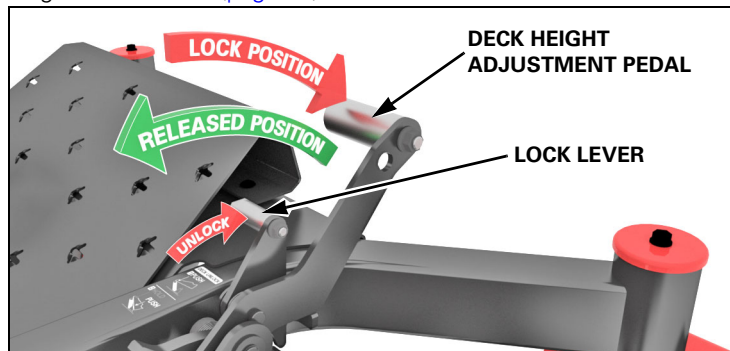


Mower Deck Height Pedal

The mower deck is raised and lowered using a foot-operated pedal on the right-hand side of the foot platform.

To place the mower deck in the highest position, depress the pedal fully forward, and the lock will automatically engage. Release pressure on the pedal to allow the mower deck to rest in its highest (locked) position.

To lower the mower deck, depress the deck height adjustment pedal fully forward with the ball of your foot and then depress the lock lever using the heel of your foot. With the lock released, carefully lower the deck by slowly releasing pressure on the pedal. The mower deck will stop at the height adjustment set using the deck height control knob ([page 11](#)).

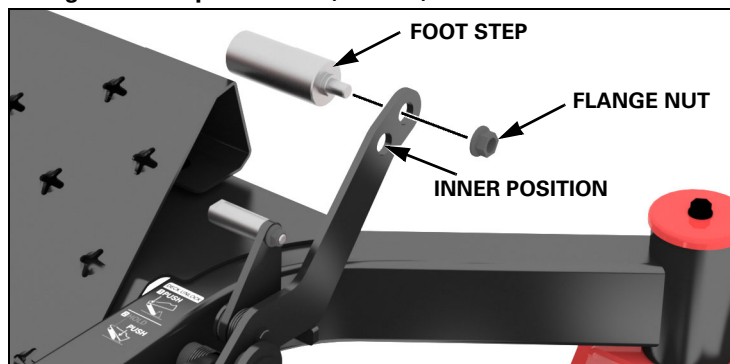


Deck Height Pedal Adjustment

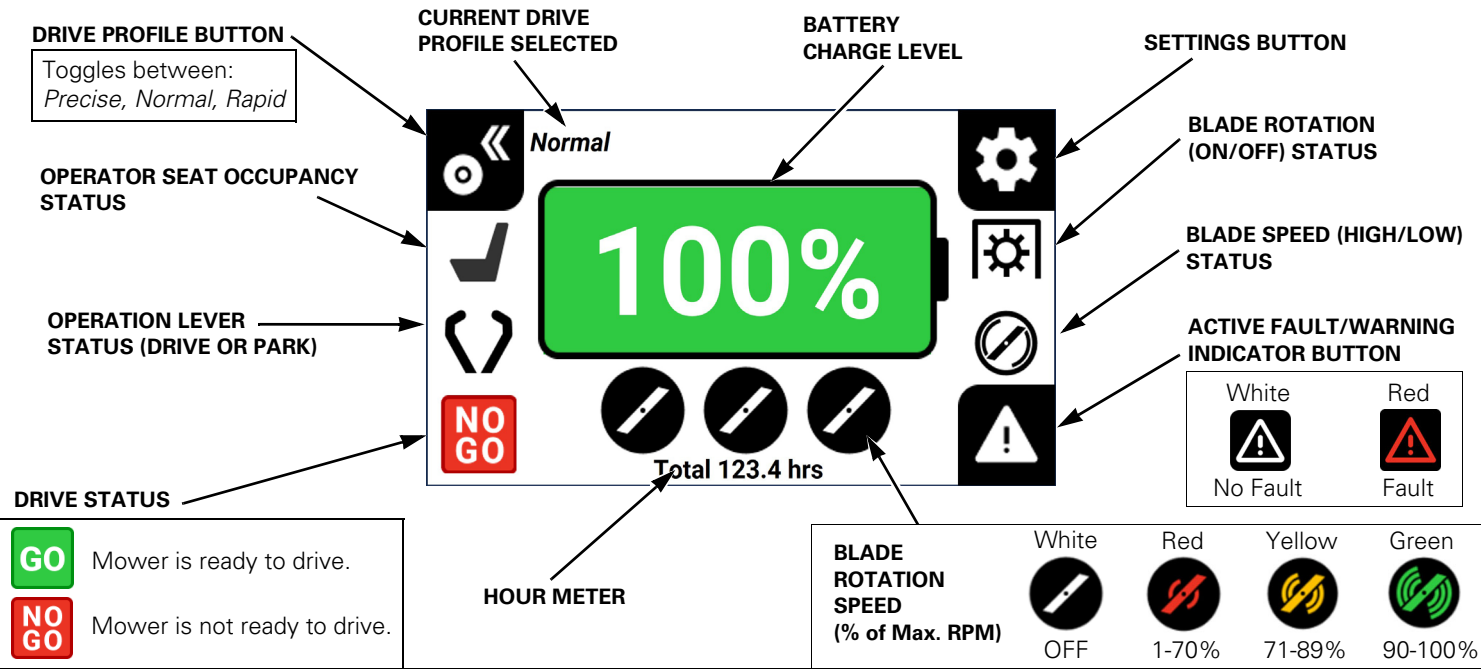
The deck height adjustment pedal has two positions that the foot step can be installed in depending on the operator's height or leg length. The foot step is installed in the outer setting from the factory.

To adjust the foot step to the inner setting, loosen the flange nut using a 17 mm wrench, and then move the foot step into the other hole in the pedal arm. Tighten the flange nut to the specified torque.

Flange Nut Torque: 39 ft-lb (53 N•m)



Main Menu Overview



Introduction

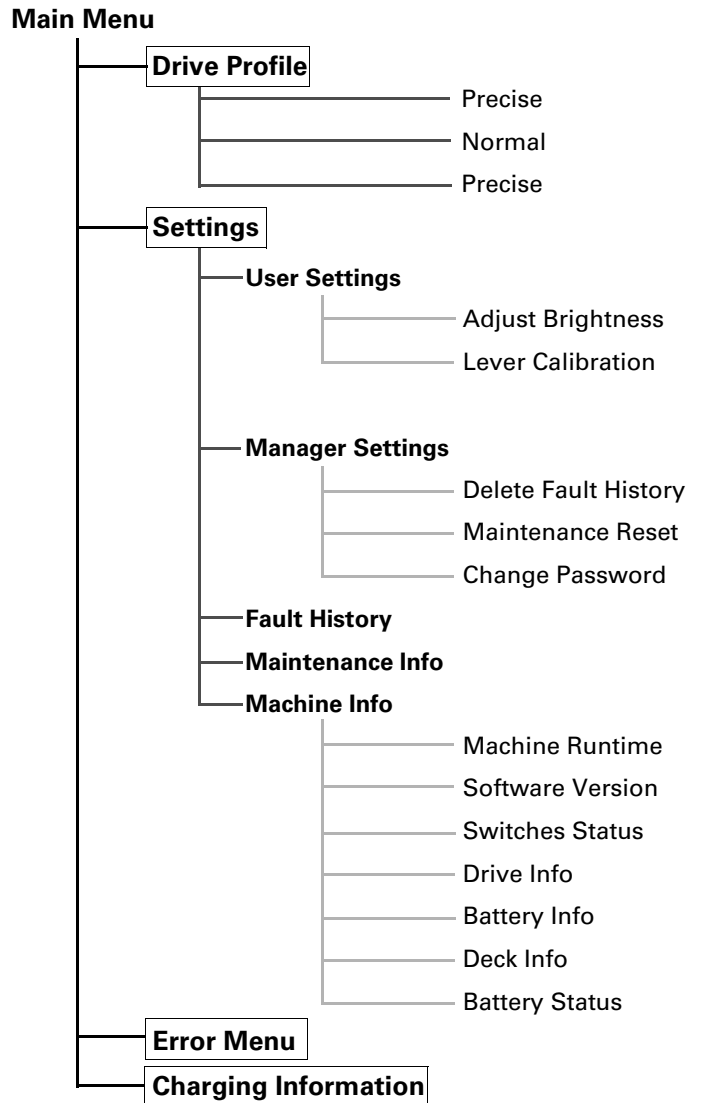
The lawn mower's settings and information are provided through the digital touchscreen display. The following information provides detailed instructions on how to navigate the individual menus, settings, and information provided by the digital display.

After turning the Power switch to the ON position, the digital display will show a Honda boot screen. After a few seconds, the Main Menu screen will be displayed. Refer to the *Main Menu Overview* above to familiarize yourself with the display's layout and functions.

Quick Find

Drive Profile Selection.....	17
Settings Main Menu.....	17
Adjusting Screen Brightness.....	17
Fault History.....	17
Deleting Fault History.....	17
Maintenance Info.....	17
Machine Info.....	18
Charging Screen.....	18
Changing Manager Password.....	18
Resetting Maintenance Hour Counter.....	18
Battery Status.....	18
Machine Runtime.....	18
Battery Information.....	19
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Display Menu Tree



Navigating the Display Screens

Drive Profile Selection

Press the Drive Profile icon on the main menu to toggle between the three Drive Profile options, and select the appropriate profile based on your mowing conditions. The name of the selected profile will be displayed to the right of the Drive Profile icon.



Rapid: This profile offers the most responsive controls and enables maximum mower ground speed. This setting should only be used for large, smooth mowing areas with minimal bumps.



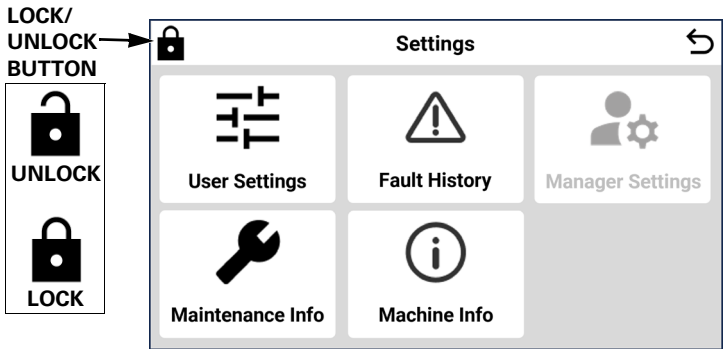
Normal: This profile is appropriate for most mowing conditions. The operation levers are less responsive than the *Rapid* profile providing additional control.



Precise: This profile is ideal for smaller mowing areas or those that require tight turns when maneuvering around flower beds or other obstacles. The mower's maximum ground speed is reduced in this profile to provide additional control when the operation levers are moved fully forward or backward.

Settings Main Menu

Press the Settings gear icon in the top-right corner of the main menu to access the following information. If the Manager Settings icon is grayed out, tap on the LOCK icon in the upper left-hand corner of screen to unlock the Manager Settings.



Adjusting Screen Brightness

From the Main Menu screen, press the Settings gear icon. Select *User Settings* and then *Adjust Brightness*.

Use the UP and DOWN arrows to adjust the brightness. Once adjusted, press the return arrow in the top-right corner of the screen to return to the User Settings menu.

It is recommended to perform this adjustment while you are in the mowing area to ensure an accurate screen brightness setting.



Fault History

From the Main Menu screen, press the Settings gear icon, and then select *Fault History*.

Any error codes stored in the lawn mower will appear here. Do NOT erase the fault memory (page 17) until all malfunctions are corrected. If there is a malfunction with the lawn mower, contact an authorized Honda servicing dealer for assistance. Your Honda dealer will need this fault history for diagnosis and repair.

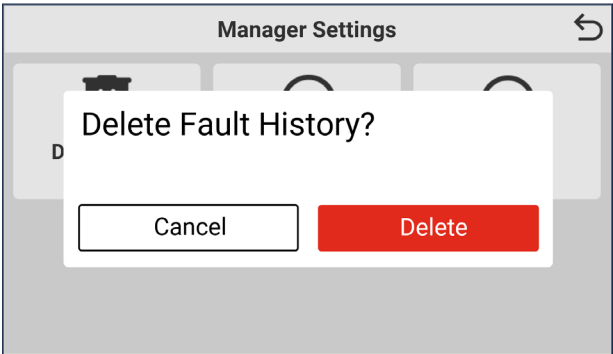
Fault History			
No.	Code	Error Info	Time Stamp(hr:min)
1	2301	Abnormal neutral range	1153:46
2	A110	Batt charging over temp.	298:00
3	A10F	BATT Err	243:59
4	A105	BATT over temp.	178:04
5	2104	Drv PDU-Disp Comm. lost	163:24
6	A301	Charger Comm. lost	73:20

Deleting Fault History

If a malfunction has been corrected, it is not mandatory to clear the fault history. It is recommended to leave the Fault History intact until no malfunctions are present.

To clear the Fault History, from the main menu, select *Settings*, then *Manager Settings*, and then *Delete Fault History*. Press *Delete*, and then *Close*.

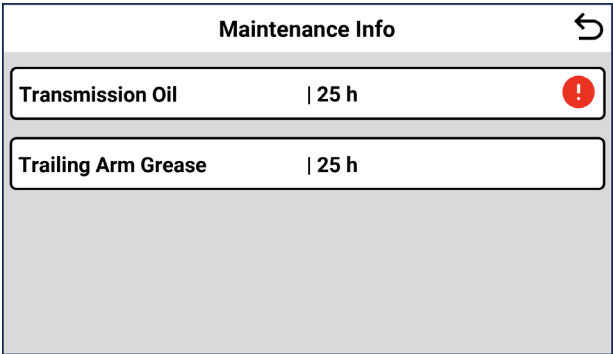
Note: A password is required to enter the Manager Settings. See *Settings Main Menu* info on the left column of this page.



Maintenance Info

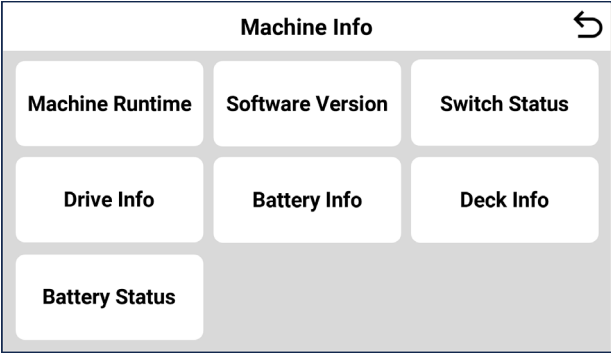
The Maintenance Info screen displays the elapsed time of operation for the current maintenance intervals. To view the maintenance hour counters, go to Settings and then select *Maintenance Info*.

Note: If the digital display ever requires replacement, you will lose the maintenance times. Be sure to record them before replacement.



Machine Info

The Machine Info screen provides details on the mower's electronics, drive system, and battery systems. From the main menu, tap on *Settings*, and then *Machine Info* to access the following items:

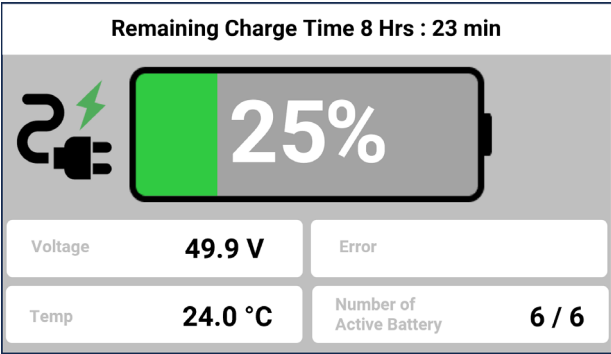


Charging Screen

When the charging cable is connected to the mower's charging port, the digital display will automatically boot up and display the charging screen shown below. The charging screen displays the batteries' current charge level, remaining charge time, battery voltage, and temperature, as well as any charging errors.

Note:

The *Remaining Charge Time* is an approximation and may not accurately reflect the actual time it will take for the batteries to reach a 100% charge level. This can be due to voltage fluctuations from the wall outlet or how the charger supplies electricity to the batteries.



Battery Status

From the *Machine Info* screen, or while the mower is charging and pressing on the large battery icon in the middle of the screen, you can access detailed battery health information, such as each battery's State of Charge (SOC) and Cumulative Discharge Amp hour (CDAh). Press the return arrow to return to the main charging screen.

Note: The CHG and DisCHG Error information is used by authorized Honda servicing dealers to troubleshoot potential battery problems.

Battery Status				
Serial No.	SOC	CDAh	CHG Error	DisCHG Error
1234567890	98%	54321Ah	-	-
2345678901	97%	54321Ah	-	-
3456789012	96%	54321Ah	-	-
4567890123	97%	54320Ah	-	-
5678901234	97%	54321Ah	-	-
6789012345	97%	54321Ah	-	-

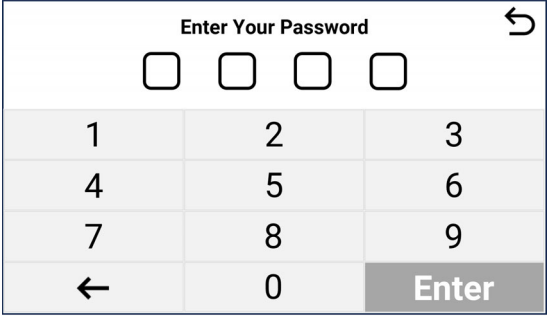
Changing Manager Password

The default Manager Password is 0000 (zero zero zero zero). Please change the password to a unique one immediately to prevent unauthorized usage. Store your password securely

To change the mower's access password, select *Settings* from the main menu, then *Manager Settings*, and then *Change Password*.

Enter the default or your current password, and then you will be prompted to enter a new password. Press ENTER after entering the new password. Press the return arrow to exit.

If you don't know or forget the four-digit password, please contact an authorized Honda servicing dealer for assistance.

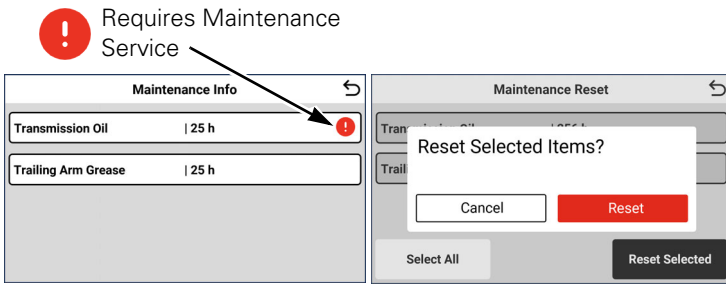


Resetting Maintenance Hour Counter

To reset the hour counter for maintenance items, go to *Settings*> *Manager Settings*> *Maintenance Reset*.

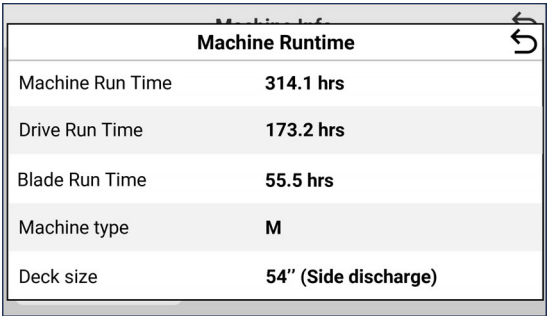
Maintenance items that require servicing are indicated by a red circle and exclamation mark show to the right.

1. Tap on each maintenance item that needs to be reset or tap *Select All* if all items need to be reset. When an item is selected, a check mark will appear to the right.
2. Tap on *Reset Selected* and then choose *Reset*. A confirmation screen will inform you that the selected maintenance items have been reset. The reset maintenance hours will reset to zero.
3. Tap on *Close*, and then press the return arrow.



Machine Runtime

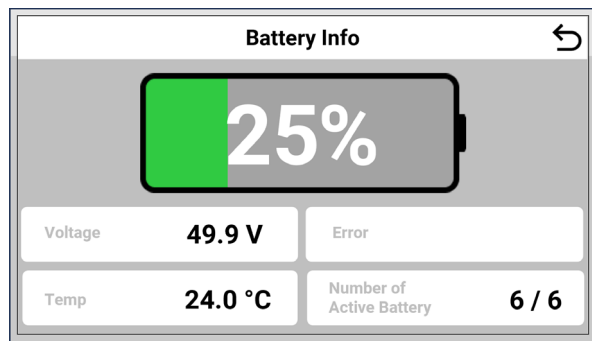
The Machine Runtime screen displays the total operating hours since the power switch was turned on, as well as the duration of operation for the blade and drive motors. This screen also provides the model name of the mower and the type of deck installed.



Battery Information

To see the battery charge amount, voltage, and temperature:

- From the main menu, open *Settings*, then *Machine Info*, and then press *Battery Info*.
- If the mower is connected to the charger, this screen will automatically display (see “Charging Screen” on [page 18](#)).



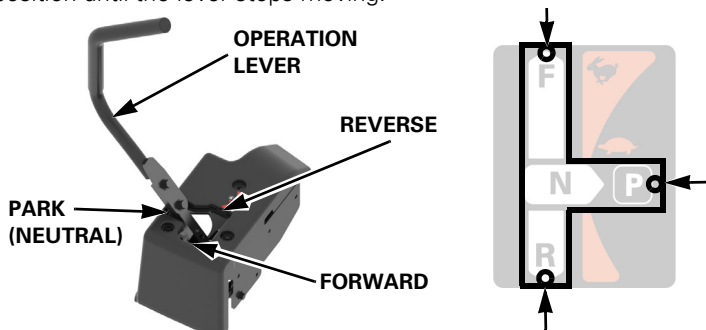
Operation Lever Calibration

The operation levers should never require calibration during normal usage unless certain repairs have been made to the mower. In the event that lever calibration is required, access the calibration screen by going to *Settings*> *User Settings*> *Lever Calibration*.

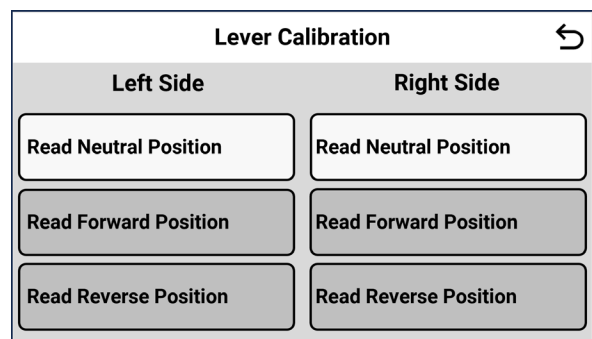
NOTICE: Do not perform the lever calibration if the display *Drive Status* indicates *NO-GO* or there are active error codes showing in the *Fault History* ([page 17](#)). Otherwise, the mower may malfunction or not operate properly. Correct any errors first or contact an authorized servicing dealer for assistance.

Once the Lever Calibration screen is displayed on the digital display, the lawn mower will not move if the operation levers are moved.

Each operation lever has three (3) positions (Forward, Reverse, Park/Neutral) that must be calibrated successfully before the new calibration values will be stored. When calibrating one of the operation levers, be sure to move and hold the lever FULLY into each position until the lever stops moving.



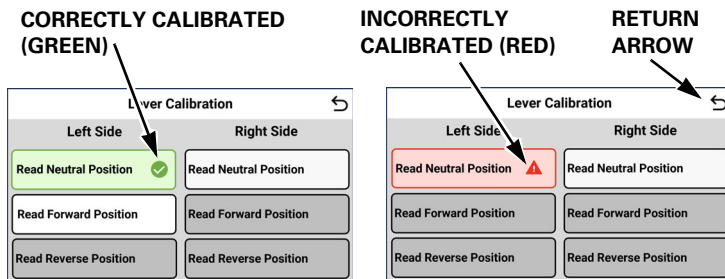
1. Begin by moving one of the operation levers fully into the PARK (NEUTRAL) position and then press the *Read Neutral Position* on the screen. You must start with a neutral position. Be sure to move the operation on the side as the *Read Neutral Position* button you chose.



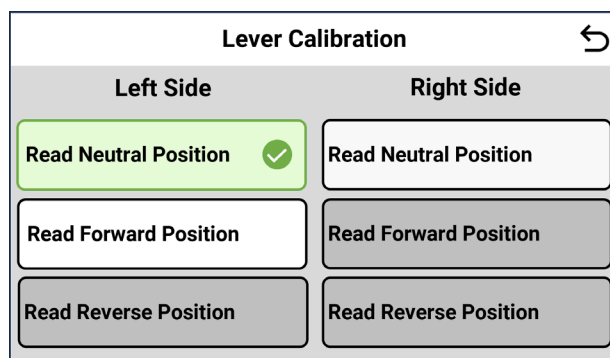
If the Neutral position was calibrated successfully, the Neutral button will turn green with a check mark, and the *Read Forward Position* button becomes unlocked by changing from gray to white.

If the Neutral position was not calibrated successfully, the Neutral button will turn red with a warning triangle. If calibration fails, press the return arrow and go back to the main menu screen to check if there are any active error codes in the *Fault History* ([page 17](#)).

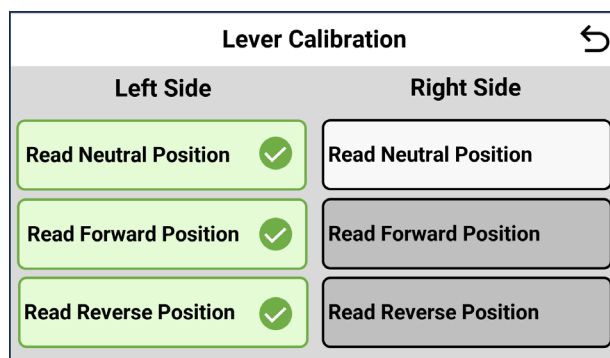
Retry the calibration again. If it is still unsuccessful, confirm the lever assemblies are installed correctly and retry again, or contact your authorized servicing dealer for assistance.



2. Move the operation lever into the fully FORWARD position and then press the *Read Forward Position* button. The button should turn green with a check mark and the *Read Reverse Position* button color will change from gray to white.



3. Move the operation lever into the fully REVERSE position and then press the *Read Reverse Position* button. The button should turn green with a check mark.



4. If required, repeat steps 1 through 3 for the other operation lever.
If only one lever requires calibration, the other lever does not need to be calibrated.
5. Once calibration is complete, exit out of the lever calibration screen by tapping on the return arrow button. The operation levers return to normal functionality.
6. Test both operation levers to ensure they function normally. Repeat the calibration steps if they do not.

Starting the Mower

Before starting the mower, always adjust the operator's seat to a safe and comfortable seating position (page 14), and determine if you should be wearing the seat belt (page 15).

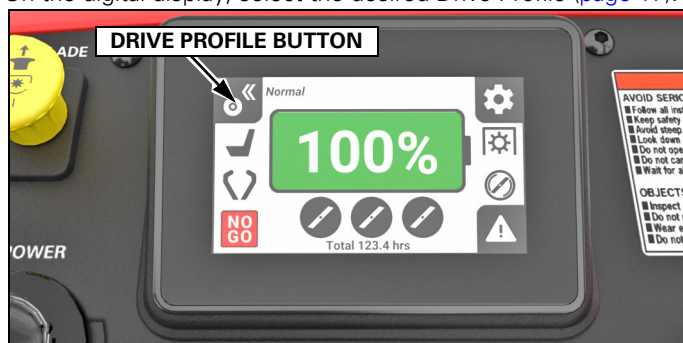
1. Move the two operation levers into the Parking Brake position (page 15).

2. Insert the key into the power switch and then turn the key clockwise to the ON position.



3. Drive the mower into the mowing area.

4. On the digital display, select the desired Drive Profile (page 17).

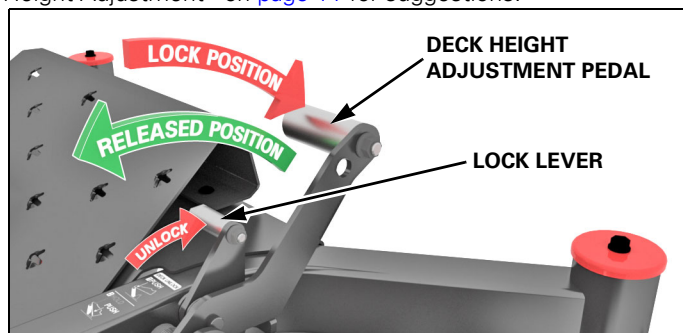


5. Select the blade rotation speed. The HIGH setting is recommended for most mowing conditions (page 13).



6. With the mower deck in the highest and locked position, adjust the deck height adjustment knob to the desired setting (page 13) and then lower the mower deck using the foot control pedal (page 15). Always set the cutting height first before starting blade rotation.

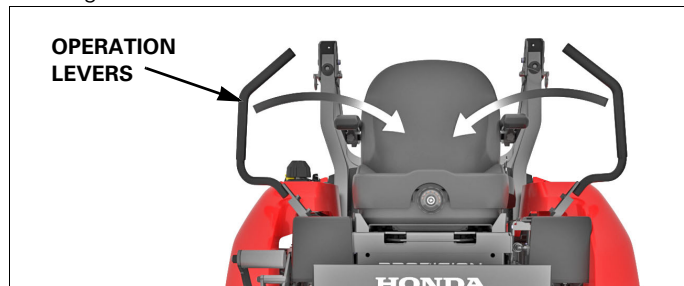
If you don't know what cutting height to select, see "Cutting Height Adjustment" on page 11 for suggestions.



7. Pull UP on the yellow Blade knob to begin cutting blade rotation (page 13).

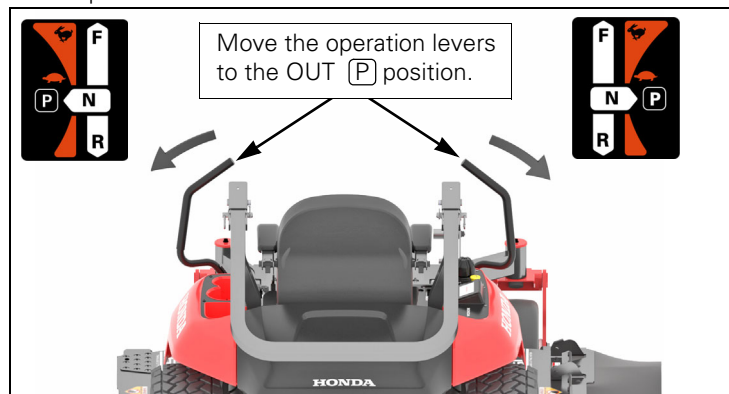


8. Move the two operation levers to the IN position to begin mowing.



Stopping the Mower

1. Move the two operation levers into the OUT position. The parking brake function will engage and the cutting blades will stop rotation.



2. Push DOWN on the yellow Blade knob.



3. Turn the power switch key to the STOP (OFF) position.

IMPORTANT

In an emergency, quickly turn the power switch key to the STOP position. The cutting blades will stop spinning and the mower will immediately turn off.



Mowing Tips

When to Mow

Most lawns need mowing at least once a week. Most grasses should be mowed when they have become 1/2" to 1" above their recommended height.

Cutting Height

Consult a local nursery or lawn and garden center for recommendations on cutting heights and advice on specific types of grasses and growing conditions in your area.

Most grass has stems and leaves. If you cut off the leaves, you'll scalp the lawn. Let the grass recover between mowings. Your mower will work more efficiently, and your lawn will look healthier.

Cutting grass that is too tall or mowing the lawn too quickly can clog the mower deck with grass, potentially causing the cutting blade motors to overheat, slow down, or stop altogether. If your grass gets too tall, cut it once at the highest cutting height setting using a slow ground speed, then mow again in 2 or 3 days. Don't take off more than one-third of the total grass height in any one mowing, or brown patches may develop. Cutting height adjustment is explained on [page 11](#).

Cutting Width

For an even lawn finish, overlap each mowing swath by a few inches.

If the grass is very tall or thick, use more overlap and a narrower mowing swath.

Blade Speed

The blades must spin at a very high speed to cut correctly. If the blade speed drops and the blade rotation icons change from green to yellow or red ([page 16](#)), it could mean the blade motors are being overloaded by the blades trying to cut too much grass. Be sure the *Blade Rotation Speed* switch is set to the HIGH setting. To achieve a cleaner cut, use a narrower swath, mow at a slower speed or raise the cutting height.

Blade Sharpness

A sharp blade cuts cleanly. A dull blade tears the grass, leaving shredded ends that turn brown. When your blades no longer cut cleanly, have them sharpened or replaced.

Dry Grass

If the ground is too dry, mowing will stir up a lot of dust. If dust is a problem, water your lawn and then mow when the grass is dry to your touch, but the soil is still moist.

Wet Grass

Wet grass is slippery and can reduce the traction of the mower's tires, causing them to spin or unexpectedly slide during operation. Additionally, wet grass clippings can clog the mower deck and form clumps on the lawn. Always wait for wet grass to dry before mowing. If clumps form, use a leaf rake or leaf blower to break them up. Allowing clumps to remain on the lawn will introduce brown spots.

Preventing Bald Spots

Your Zero-Turn-Radius (ZTR) mower can turn on a dime, but it can also cause bald spots in your lawn if you're not careful. For best results, always move both operation levers when making turns. If only one operation lever is moved to initiate a turn and the other operation lever remains in the neutral position, it causes the stationary tire's tread to twist on the lawn and tear the grass underneath the stopped tire, causing a bald spot.

As long as both operation levers are moved, even just a small amount, the likelihood of bald spots occurring in your lawn is very low.

Scalped Grass

Hilly, uneven, or bumpy lawns can increase the likelihood of scalped areas if the desired cutting height is set too low or if the anti-scalp rollers are adjusted too high for the lawn's conditions. If you notice scalped areas in your lawn that are being caused by the cutting blades, try mowing the grass at a higher cutting height setting or select the lowest adjustment position for the anti-scalp rollers ([page 29](#)).

Additionally, depending on your grass and soil type, consider gradually adding a compatible soil or sand to the low spots in the lawn, causing the mower to scalp the grass.

Clogged Mower Deck

Before clearing a clogged mower deck, stop the blades and turn the Power switch to the OFF position. Always clear a clogged mower deck with a stick or suitable tool, not your hands.

Mowing Patterns

Your Honda mower will work most efficiently if you use appropriate settings and change the mowing patterns for your lawn design as much as possible. Mower deck and equipment design, the direction in which the blades rotate, and different grass or soil types may require different mowing patterns for best results.

While it is not possible to tell you exactly how to mow your specific lawn, the following information should provide a good understanding of how to determine best practices for your situation. With some knowledge and a little bit of trial and error, you can achieve great results quickly.

Your Zero-Turn-Radius (ZTR) mower is significantly heavier than a traditional walk-behind lawn mower and compacts the soil under the tires much more, especially if the same mowing pattern is used repeatedly. It is recommended to change mowing directions every other mowing to prevent the development of ruts in the grass due to the weight of the mower and the tires constantly running over the same ground.

When ruts develop in the lawn, the lawn begins to exhibit an uneven appearance, both in the height of the grass and the strength of the grass blades. Grass that is consistently driven on grows differently than grass that is never driven on. Additionally, tire ruts allow water to pool in low spots, potentially causing fungus or lawn disease problems, and, most importantly, they make mowing the lawn harder on your body because the lawn becomes very bumpy over time. An uneven lawn caused by tire ruts can not only look unsightly, but it can also force you to mow at a slower speed to maintain control of the mower.

BATTERY CHARGING

Overview

Your mower is equipped with six 48-volt lithium-ion battery packs, providing a total of 19.2 kWh of energy. Lithium-ion batteries provide steady, robust, and consistent power throughout the operating cycle, ensuring long-term performance in demanding conditions. The digital display features multiple screens for charging and displaying battery information ([page 18](#)).



The charging system for the mower is adaptable for 120-volt or 240-volt charging. The mower can be fully charged at 120 volts @ 20 amps in approximately 16.5 hours and quick-charged at 240 volts @ 20 amps in 6.5 hours. The battery charger auto-detects the input voltage for easy and versatile charging. The mower and charging system are equipped with quick-disconnect plugs for fast and easy connection and disconnection.

Charger Safety Warnings

- Handle the battery charger with care.
- Installation shall not be closer than 20 feet (6.1 m) from an outdoor motor fuel dispensing device.
- The charger may become hot during charging. Use hand protection to safely handle the charger when charging.
- To maintain safe operations, the unit automatically reduces its output power if the temperature rises above set thresholds, or if the AC mains input voltage is too low.
- If power is interrupted, and then returns, the charger starts and continues to operate without hazard to the user, or damage to the batteries.
- Unplug the charger from both AC and DC sources when cleaning, moving, or conducting any maintenance or repair on the charger. No user serviceable parts are inside. Do not remove the cover due to the risk of electrical shock.
- Do not expose the charger to oil, dirt, mud, or direct heavy water spray when cleaning the vehicle or machine.
- The charger should only be operated in temperatures up to 104 °F (40 °C). Otherwise, the charger will reduce its output according to derating curves to maintain safe internal operating temperatures and is not recommended. As ambient temperatures reduce, the output will automatically increase back to full load.
- All connectors between the battery charger and the battery should be regularly inspected for corrosion and contamination and proper terminal torque settings as these can cause overheating and can be a fire hazard.
- If the detachable AC power cable or DC charging cable is damaged, do not use the charger until they are replaced with cables appropriate to your mower's application.
- The charger complies with IP66 and IP67 ingress protection specifications, making it dust-proof, and sealed against powerful

water jets and short-term submersion in water when all connectors are mated.

EMI Declarations

This battery charger model has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules for the United States and ICES 002 of the ISSED Regulations for Canada. 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.

Mounting the Charger

Mounting points are cast into the charger's aluminum enclosure. At each corner, slots are arranged to allow easy mating with standoffs or pre-drilled holes where the charger will be mounted. Because every mounting scenario can be different, fasteners are not provided for mounting the charger. Use fasteners of an appropriate length to secure the charger to the intended support. Rubber feet are pre-installed in the mounting holes. If the charger is to be mounted to a surface, remove the rubber feet.

If the charger is to be mounted on a vehicle, inside an enclosed trailer, or any frame that may be prone to flexing, use only three of the four corner mounting points to prevent the charger case and internal components from being subjected to undue stress and torsional loads.

Cooling Requirements

A bracket may need to be fabricated, particularly if there is insufficient airflow for cooling. The main route for fresh, cool air intake is through the fan located on the top of the charger. The fan intake should always be open to ambient air. If the fan is blocked, the unit will reduce output and/or shut down. Any form of ducting into the fan significantly reduces recirculation and improves airflow towards the fins thereby enabling the charger to run at a lower temperature. The primary hot air exhaust is out the back of the charger, on the side opposite the connectors.

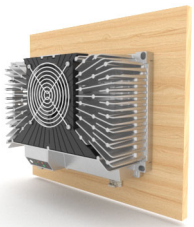
- Avoid placing the back vertical side of the charger against a surface, as blocking this exhaust path can increase the load on the fan, reduce air flow, and potentially lead to higher charger temperatures and reduced charging output.
- Allocate approx. 1.5 in. (40 mm) of free space around the charger in all directions (except the bottom side). This ensures efficient heat convection and ventilation around the charger.
- Create a minimum total opening area of 150 cm² with single openings not smaller than 0.8 cm². This prevents negative impact on flow rate and enables sufficient air circulation within the enclosure.
- Openings should be placed on the exhaust side.

Mounting Orientation

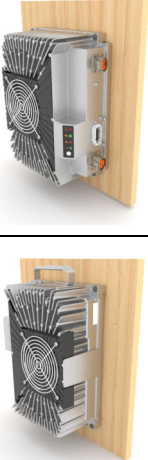
When mounting the charger, only use one of the approved mounting orientations shown below. Mounting the charger in specific orientations can lead to internal damage from shock, vibration, or water intrusion. When using the charger in a fixed installation, observe the following precautions:

- Confirm in advance that the mounting surface and fixing hardware have sufficient strength to support the weight of the charger.
- Do not drill holes in the charger, as this may impair its performance.
- Do not block the fan. Also, be careful not to let small debris get inside. Ensure adequate ventilation and cooling.

Correct Mounting Orientations

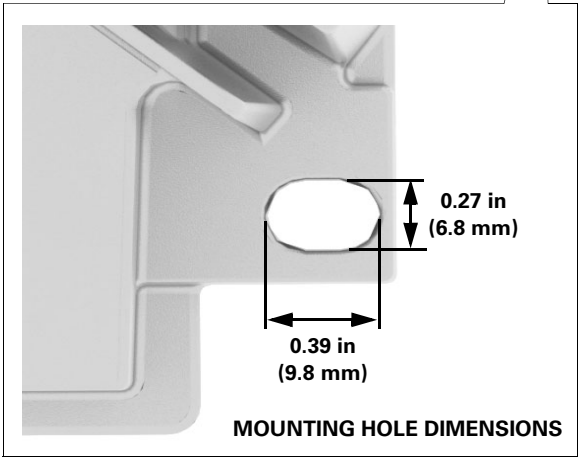
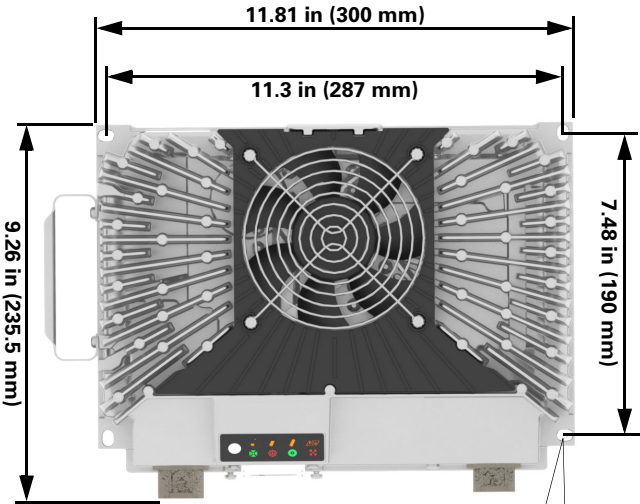
Cable connectors pointing down: Mounting the charger on a wall with the connectors pointing down is acceptable and is the recommended installation position.	
Fan pointing up: Mounting the charger on top of a flat, horizontal surface is acceptable.	

Incorrect Mounting Orientations

Cable connectors pointing up: Mounting the charger on a wall with the connectors pointing up may cause water or unwanted debris to enter and pool inside the connectors and is not recommended.	
Fan pointing down: Mounting the charger upside down on a flat, horizontal surface is not recommended because it will put excessive stress on the cable connections.	
Cable connectors pointing left or right: Mounting the charger on a wall with the connectors pointing to the left or right may cause shock or vibrations to the iDC-DC mechanical relay and allow it to malfunction temporarily. These installations are not recommended.	

Battery Charger Dimensions

Refer to the following dimensions when mounting the battery charger.



Cable/Cord Lengths*:

- Power Cord: 6.5 ft (198 cm)
- Charging Cable: 9.83 ft. (300 cm)

* overall lengths are approximate

Battery Charger Electrical Connections

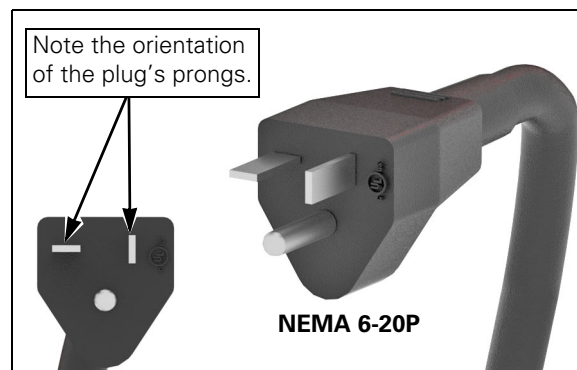
Power Cord

The pre-installed 6-foot power cord on the battery charger comes equipped with a NEMA 6-20P electrical plug, which can quick-charge the mower using a 20 amp, 240-volt electrical circuit in approximately 6.5 hours.

A dedicated 240-volt, 60 Hz electrical circuit should be installed using a dual 20 amp GFCI circuit breaker and NEMA 6-20R receptacle. Consult a qualified electrician in your area for assistance.

If you do not have a NEMA 6-20R receptacle available, the battery charger is also adaptable from 240-volt to 120-volt charging. The charger auto-detects the input voltage for easy and versatile charging.

The mower can be fully charged using a power cord adapter and a 20 amp, 120-volt power outlet in approximately 16.5 hours. The NEMA 6-20P plug will not insert into a common, residential NEMA 5-20R or 5-15R wall outlet.



Power Cord Adapters

Commercially available power cord adapters that convert the battery charger's NEMA 6-20P power cord to another receptacle configuration can be used. This allows the mower to be charged using other more common power outlets such as an RV receptacle, EV battery charger receptacle, or a compatible 120-volt or 240-volt portable generator.

Securely install the adapter onto the battery charger's power cord first, and then plug the adapter into the power outlet.

NOTE: Due to excessive charge time, it is not recommended to charge the mower using a common NEMA 5-15R (15 amp) residential power outlet.



Charging Cable

Be sure the charging cable plug and charging port on the mower are clean from dirt and debris before attempting to charge the mower. Use compressed air or a clean brush to safely remove debris from the connectors and wire terminals.

The charging cable that plugs into the lawn mower's charging port is directional and can only be inserted in one orientation.

Installing the Charger Cable:

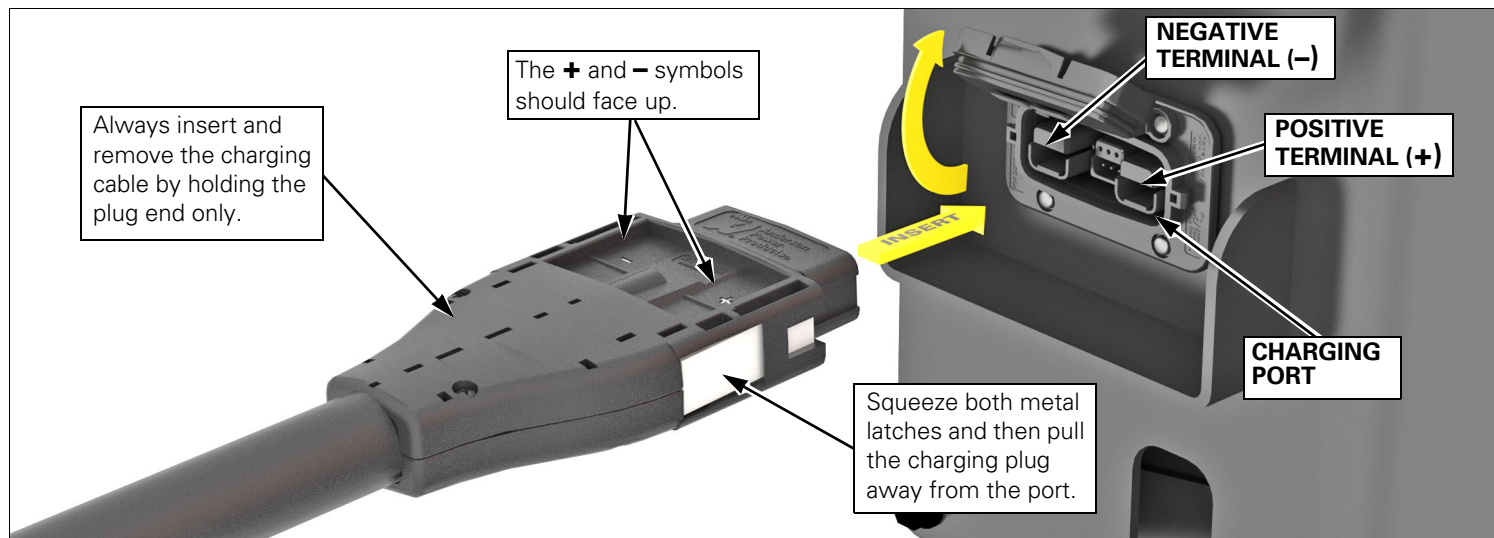
Orient the charging cable plug so the PLUS (+) and MINUS (−) symbols molded into the charger cable plug are facing UP. Carefully but firmly insert the charger plug into the charging port on the mower in this position.

Removing the Charger Cable:

Squeeze and hold the two metal latches on the sides of the charging cable plug, and then pull the plug away from the charging port. Close the charging port lid firmly to ensure the lid's rubber seal prevents dirt and moisture out of the port.

Always insert and remove the charging cable by holding the plug end only. Do not remove the charging cable from the mower's charging port by pulling directly on the wires. If the charging cable plug cannot be removed, be sure both metal latches are being squeezed completely so they unlatch from the charging port.

Charging Cable Length: 9.5 feet (291 cm)



Charging the Mower

The charging cable and power cord must be connected in a specific order to ensure proper charging. Otherwise, the batteries may not begin charging or reach 100% charge.

Note: The batteries will only charge when their temperature is between 32°F - 113°F (0°C - 45°C).

To begin charging:

- 1. Turn the power switch to the OFF position.
- 2. Plug the power cable into the wall electrical outlet.
- 3. Connect the charging cable to the charge port on the lawn mower by lifting and holding the charge port lid, and then firmly inserting the charge connector. The charging cable connector can only be inserted into the charging port in one orientation.
- 4. On the digital display, verify that battery charging has started.

Once charging is complete, remove the charging cable from the lawn mower. When the charging cable is disconnected from the mower, the digital display automatically turns off.

IMPORTANT:

- Do not handle the charger with wet hands or attempt to charge the batteries in the rain or near water!
- When the battery state-of-charge (SOC) reaches 100%, charging will stop. If the SOC drops to 99%, it will automatically recharge.
- When the battery SOC falls below 8%, blade rotation will stop. Blade rotation can be resumed at low speed only by cycling the Blade control knob OFF and then ON again. Finish mowing as soon as possible and return to the charging location to recharge the mower’s batteries.
- When the battery SOC falls to 1%, driving and blade rotation will automatically stop. Driving can be resumed and is limited to 6 mph. Blade rotation will not resume until after the batteries are charged and SOC is more than 2% again.

Battery Charger Control Panel

The LED on the control panel informs the operator of the current status of the battery charger operation. See “TROUBLESHOOTING” on [page 39](#) for if you encounter errors or faults while charging the mower.

Charging Status	LED Operation	STATUS LED
No AC power	OFF	
Self-testing	Solid Amber	
Charging: Battery less than 80% SOC	Slow Green Flashing	
Charging: 80% SOC or higher	Fast Green Flashing	
Charging: Resting	Fast Green Flashing	
Charge Complete: 99% SOC or higher	Solid Green	
Alarm while charging	Rapid Amber and Green flashing (0.4s ON, 0.4s OFF)	
Other alarm	Rapid Amber flashing (0.4s ON, 0.4s OFF)	
Fault	Solid Red	



SERVICING YOUR MOWER

Proper maintenance is essential for safe, economical, and trouble-free operation.

WARNING

Improperly maintaining this lawn mower, or failing to correct a problem before operation, could cause a significant malfunction.

Some malfunctions can seriously hurt or kill you.

Always perform a pre-operation inspection before each operation, and correct any problem.

To help you properly care for your mower, the following pages include a maintenance schedule, routine inspection procedures, and simple maintenance procedures using basic hand tools. Other service tasks that are more difficult or require special tools are best handled by professionals and are normally performed by a Honda technician or other qualified mechanic.

The maintenance schedule applies to normal operating conditions. If you operate your mower under severe conditions, such as sustained high load, high temperature, or unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

Remember that an authorized Honda servicing dealer knows your mower best and is fully equipped to maintain and repair it. To ensure the best quality and reliability, use only new, Honda Genuine parts or their equivalents for repair and replacement.

Maintenance Safety

Some of the most important safety precautions follow. However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

WARNING

Improper maintenance can cause an unsafe condition.

Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed.

Always follow the procedures and precautions in this manual.

WARNING

When disassembling the lawn mower, you will be subjected to potential shock hazards if the power switch is left in the ON position.

You will be hurt or seriously injured if you are shocked by certain electrical components.

Be sure to turn off the ignition switch OFF before performing maintenance or disassembling the lawn mower, and don't open the cover when the power is in the ON position.

Safety Precautions

- Make sure the power switch is turned OFF and the ignition key is removed before you begin any maintenance or repairs. This will eliminate several potential hazards:
 - **Electrical shock**
Be sure the electrical system is turned OFF and do not touch any electrical components during maintenance.
 - **Burns from hot parts.**
Let the mowing and drive systems cool before touching.
 - **Injury from moving parts.**
Do not run the mowing and drive systems unless instructed to do so.
- Read the instructions before you begin, and make sure you have the tools and skills required.
- To reduce the possibility of fire or explosion, be careful when working around oils and chemicals. Use only a nonflammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks, and flames away from all parts of the mower.

Maintenance Schedule

Contact an authorized Honda servicing dealer ([page 41](#)) for maintenance or service unless you have the proper tools and are mechanically proficient. Failure to follow this maintenance schedule could result in non-warrantable failures.

Refer to [page 41](#) for common replacement parts and service items.

Item	Action	Before each use	First 25 hours of use	Every 500 hours	Every 1000 hours	See page
Anti-scalp rollers	Check	○				29
Blades	Check	○				29
Blade mounting bolts	Check	○				29
Cutting height adjustment	Check			○		30
Discharge guard	Check	○				32
Operation lever	Check	○				32
Parking brake	Check	○				32
Rear tire air pressure	Check	○				33
Rollover Protection System (ROPS)	Check	○				33
Seatbelt	Check	○				33
Seat switch	Check	○				33
Trailing arms	Grease				○	34
Transmission oil	Replace		○	○		34

Maintenance Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Lifting Points & Support Locations

When performing certain maintenance or repairs on your mower, it may be necessary to raise certain wheels or the mower off the ground. Refer to the following lifting and support locations to safely and securely support your mower.

Do not lift or support the mower in any area other than those specified below. Before lifting the mower, always use wheel chocks for any tires that remain in contact with the ground.

NOTICE

Lifting or supporting the mower in locations other than specified may damage the mower.

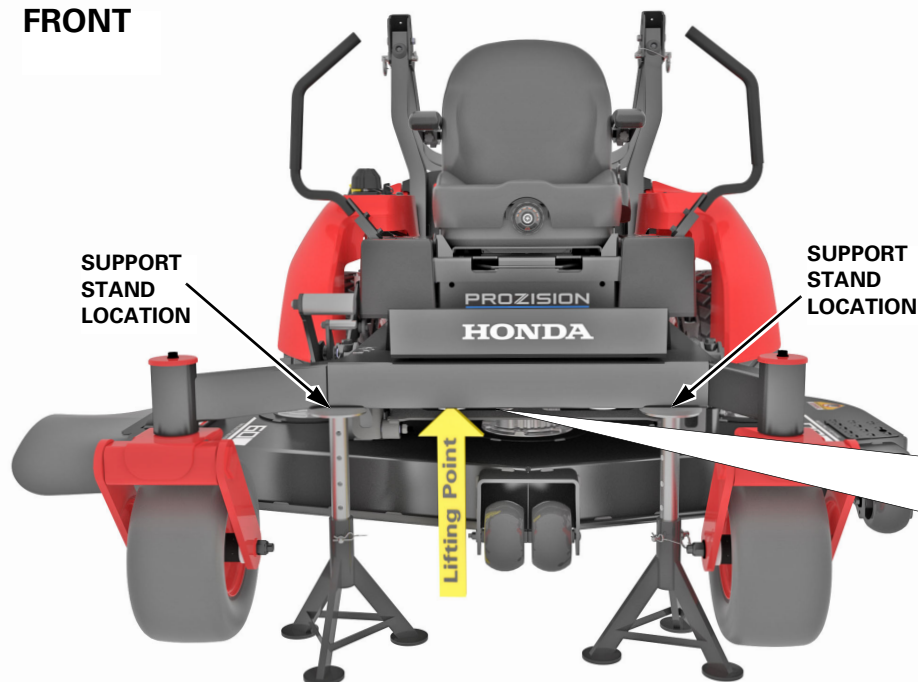
⚠ WARNING

The lawn mower is heavy and can unexpectedly drop or fall if it is incorrectly lifted or supported.

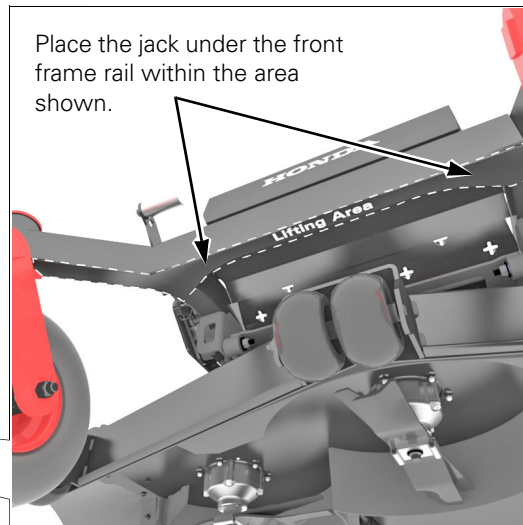
If the mower slips and falls while you are under it, you could be seriously hurt or killed.

Always lift and support the mower safely using the appropriate equipment, lifting points, and support locations on the mower.

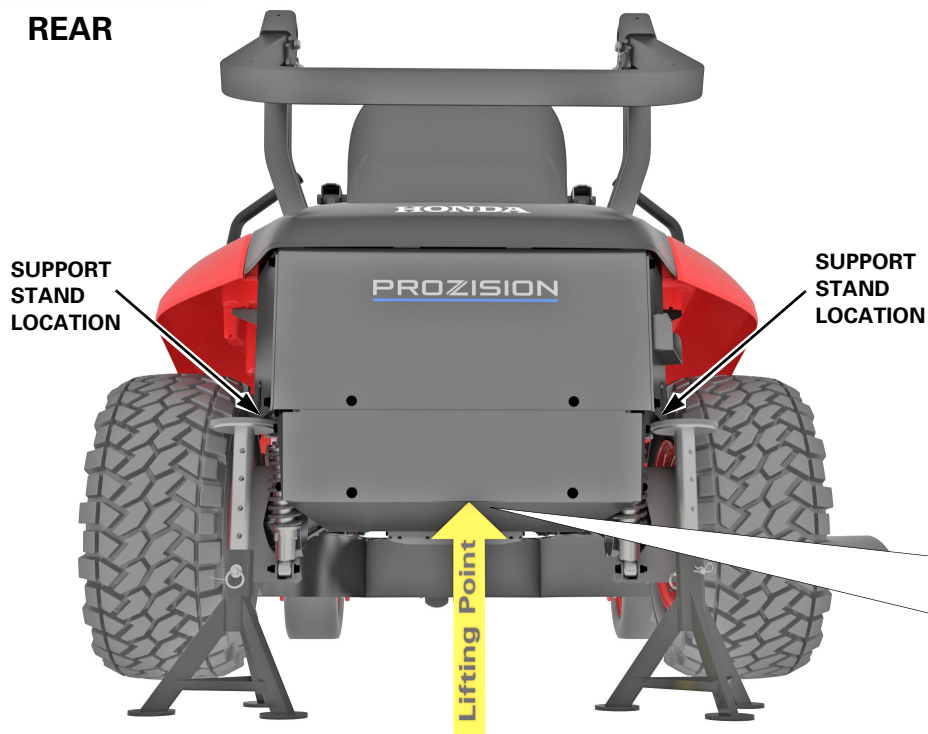
FRONT



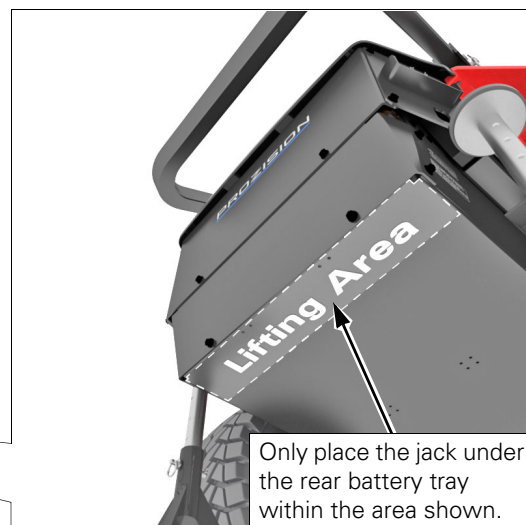
Place the jack under the front frame rail within the area shown.



REAR

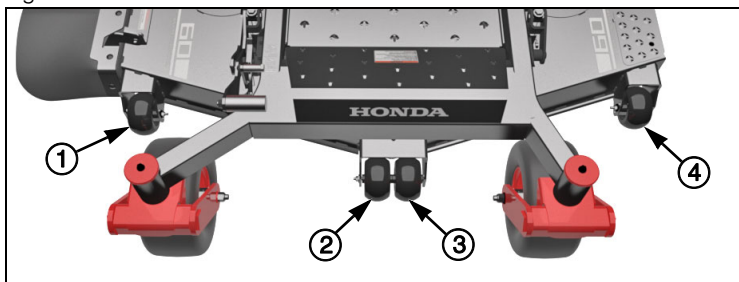


Only place the jack under the rear battery tray within the area shown.



Anti-scalp Roller Inspection

The mower is equipped with four (4) anti-scalp roller wheels located on the front of the mower deck. Before each mowing, inspect each roller for abnormal wear, damage, and that the bolts are securely tightened.



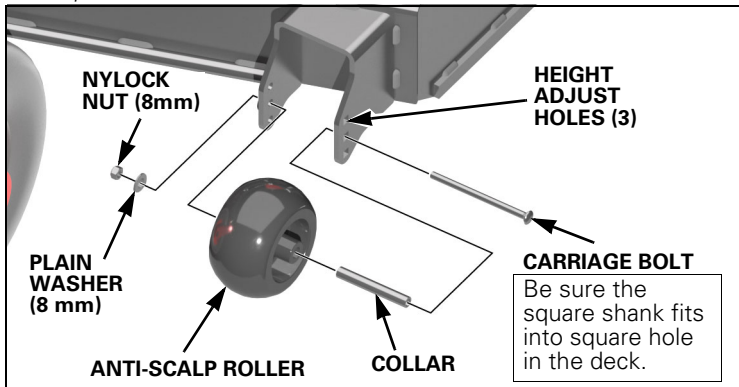
You will achieve the best cut quality when all four rollers are adjusted to the same height. If you notice scalped areas in your lawn, ensure the rollers are installed in the recommended bolt hole position.

Anti-Scalp Roller Position	Recommended Cutting Heights
Upper bolt hole	1.5 - 2.25 in (38 - 57 mm)
Middle bolt hole	2.5 - 3.75 in (63 - 95 mm)
Lower bolt hole	4.0 - 5.0 in (101 - 127 mm)

Nylock Nut Torque: 16 ft-lb (21.5 N·m)

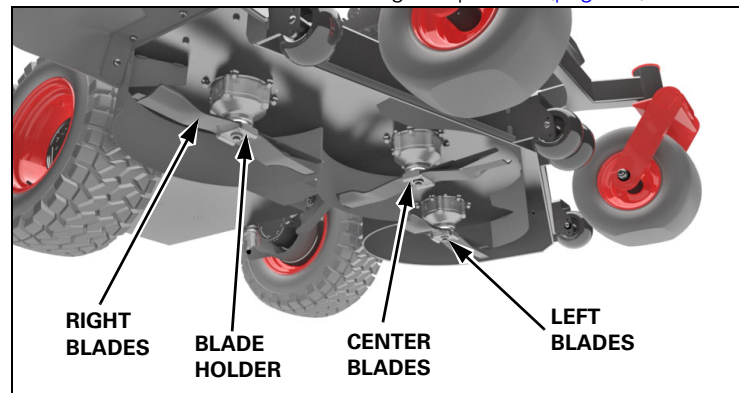
NOTICE

- Do not overtighten the nylock nuts or the anti-scalp rollers will become pinched and not roll freely causing irregular wear.
- Do not operate the mower with one or more missing anti-scalp rollers. If a roller is missing, the blades may contact uneven ground or buried rocks causing damage to the blades or other components.

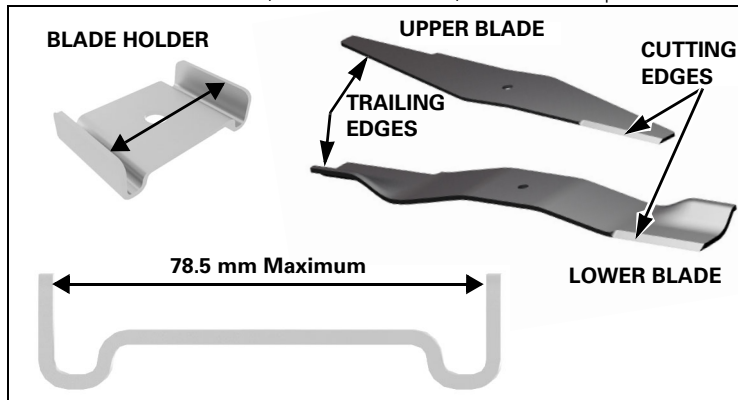


Blade/Blade Holder Inspection

- Turn the Power switch OFF and then remove the key from the switch (page 6).
- Raise the mower deck to the highest position (page 15).



- Inspect the blades for damage, cracks, and excessive rust or corrosion. Be sure the cutting edges on both upper and lower blades are facing the same direction (page 30).
- Measure each blade holder's width. If any blade holder measures wider than 78.5 mm, as shown below, it must be replaced.



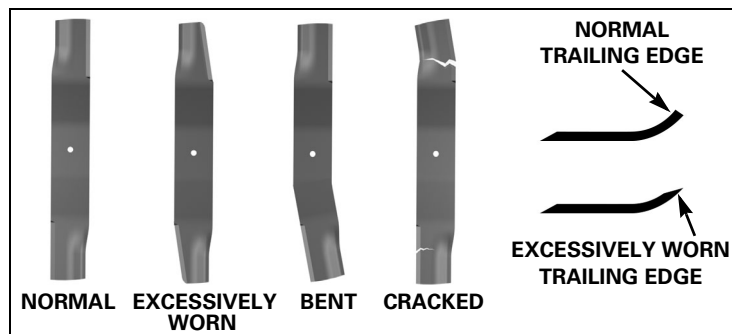
WARNING

A worn, cracked, or damaged blade can break, and pieces of the damaged blade can become dangerous projectiles.

Blades thrown from the mower could seriously hurt or kill someone.

Inspect the blades regularly, and do not operate the mower with worn or damaged blades.

A dull blade can be sharpened, but a blade that is excessively worn, bent, cracked, or otherwise damaged must be replaced. Replace the blades if there are any signs of impact, cracks, chips, or more than 10 mm of wear on the blade edge.



If a blade or blade holder is bent, take the lawn mower to an authorized Honda servicing dealer for inspection. The blades, holder, and blade motor should be inspected for damage, especially if a vibration is felt when the blades are spinning.

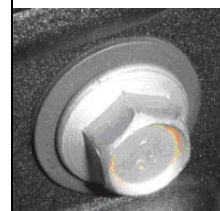
Blade Mounting Bolt Inspection

Inspect the blade bolts for any signs of damage or looseness. If they are damaged, they must be replaced.

If the bolts appear loose, a torque wrench must be used to accurately tighten the blade bolts to the required torque. If you do not have a torque wrench, take your lawn mower to an authorized dealer to have the bolts replaced and/or tightened.

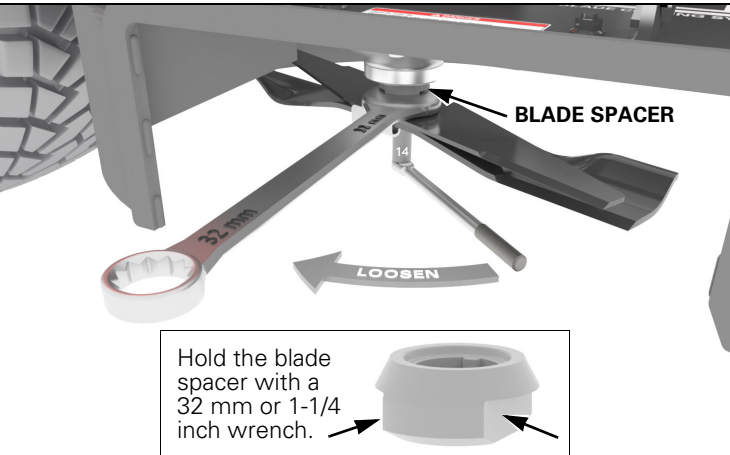
Use only Honda Genuine blade bolts and special washers, since they are specifically designed for this purpose. Replacement part numbers are on page 41.

Inspect the washers and bolt heads for looseness and damage.



Blade Replacement

- 1. Turn the Power switch OFF and then remove the key from the switch (page 6).
- 2. Raise the mower deck to the highest position (page 15).
- 3. Lift the mower up to gain easier access to the blades using an approved method (page 28).
- 4. Remove the blade bolts with a 14 mm (6 point) socket wrench. Place a 32 mm or 1-1/4 inch open-ended wrench onto the blade spacer located above the upper cutting blade to hold the blades and prevent them from turning when removing the bolts. Remove the blade bolt, special washer, blade holder, blades, and spacer.



- 5. Clean dirt and grass from around the blade mounting areas using a suitable brush or compressed air.
- 6. Loosely install the sharpened or replacement blades in the reverse order of removal.
 - Be sure the blades and blade holder align.
 - Be sure the special washer is installed with the concave side facing the blade holder and the convex side facing the head of the blade bolt.

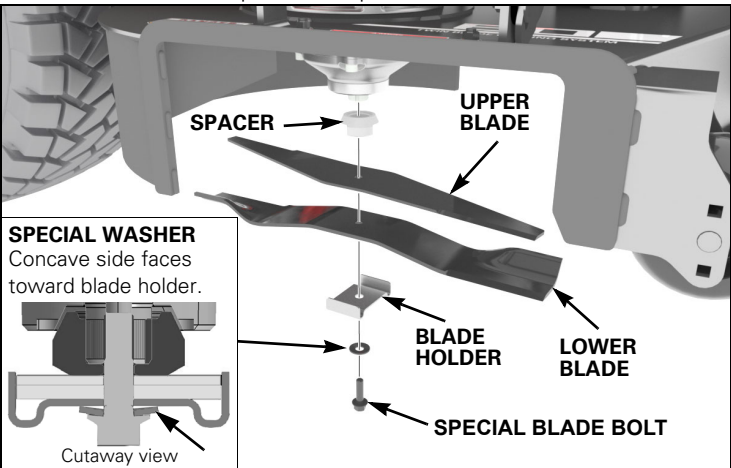
IMPORTANT:

Always install an upper and lower blade as a set on each blade motor.

- Be careful not to use two upper or two lower blades on one blade motor.
- Ensure the upper blade is not flipped upside down.
- The cutting edges ① of the upper and lower blades must face the same direction on both ends.

CORRECT	INCORRECT	INCORRECT
LOWER BLADE UPPER BLADE	TWO UPPER BLADES	TWO LOWER BLADES

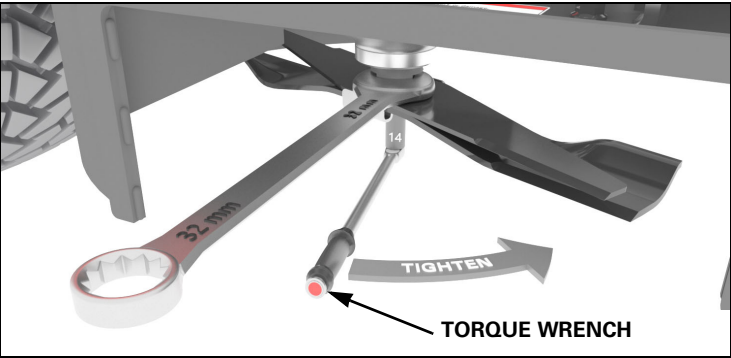
The blade bolts and washers are specially designed for this application. When replacing the bolts and washers, use only Honda Genuine replacement parts.



- 7. Hand tighten the blade assembly to be sure all components are centered and then tighten each blade bolt with a torque wrench. Place a 32 mm or 1-1/4 inch wrench onto the blade spacer located above the upper cutting blade to hold the blades and prevent them from turning when tightening the bolts.

Blade bolt torque: 53 ft-lb (72.5 N·m)

If you do not have a torque wrench, have an authorized Honda servicing dealer tighten the blade bolts.



⚠ WARNING

If the blade bolts are not torqued properly or blade assembly is not centered properly, the blades could loosen and be thrown from the mower.

Blades thrown from the mower could seriously hurt or kill someone.

Ensure the blade assembly is properly installed and the blade bolts are torqued properly.

Mower Deck Height Adjustment

Before you begin:

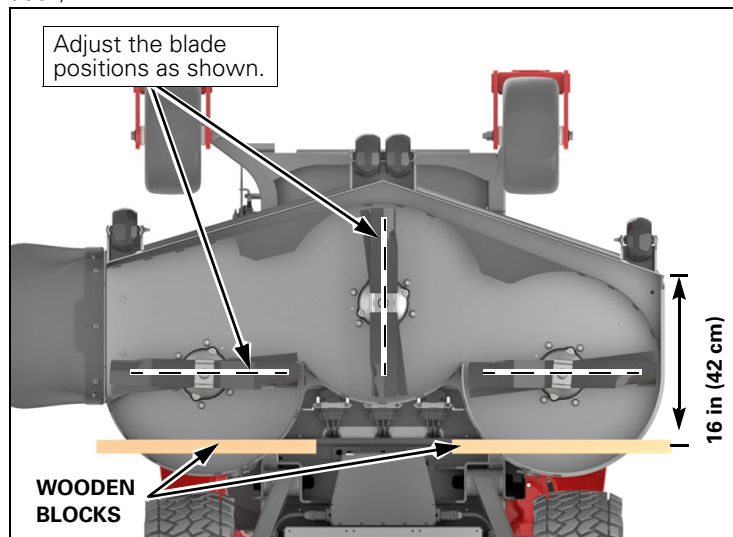
- Remove the ignition key from the power switch.
- Check the rear tire air pressure prior to checking or adjusting the mower deck cutting height.
- Ensure the mower is on a flat, level surface.
- Check for bent or damaged cutting blades and blade holders, and replace them if necessary.
- Do NOT allow the mower deck adjustment bolts (page 31) to extend more than 100 mm of threads showing from the bolt head to the rectangular block (below the jam nut). The bolt may come loose and cause the mower deck to drop.

Mower Deck Height Setting

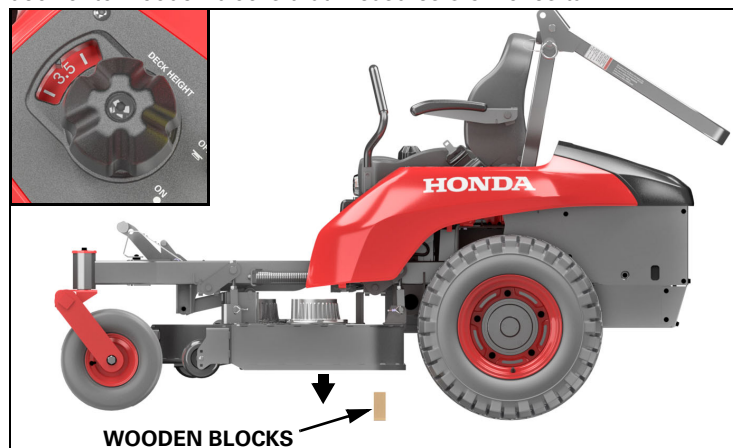
Wearing a pair of thick gloves, rotate the cutting blades into the following position, as shown:

- The center blade should point forward toward the front and rear of the mower deck.
- The left and right blades should point outward toward the sides of the mower deck (perpendicular to the direction of travel).

Source two wooden blocks, such as common 2 x 4-inch lumber, that measure 3.5 inches tall in one direction. Place the two wooden blocks under the rear corners of the mower deck in the locations shown (approx. 16 in (42 cm) from the front corner of the mower deck).

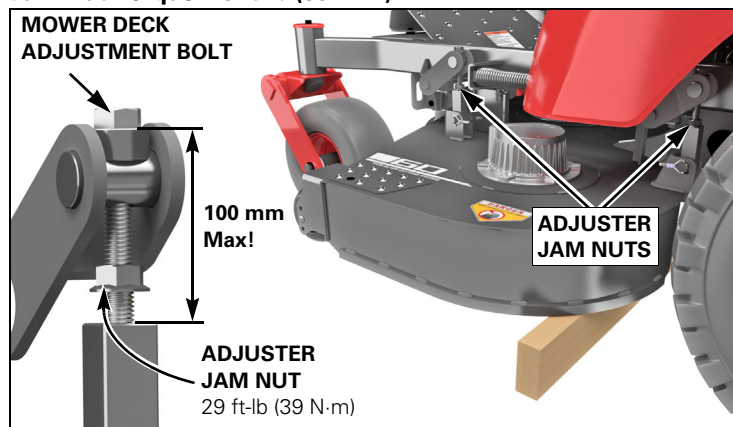


Set the mower's cutting height to 3.5 inches and lower the mower deck onto wooden blocks that measures 3.5 inches tall.



Loosen the jam nut on all four mower deck adjustment bolts.

Jam Nut Torque: 29 ft-lb (39 N-m)



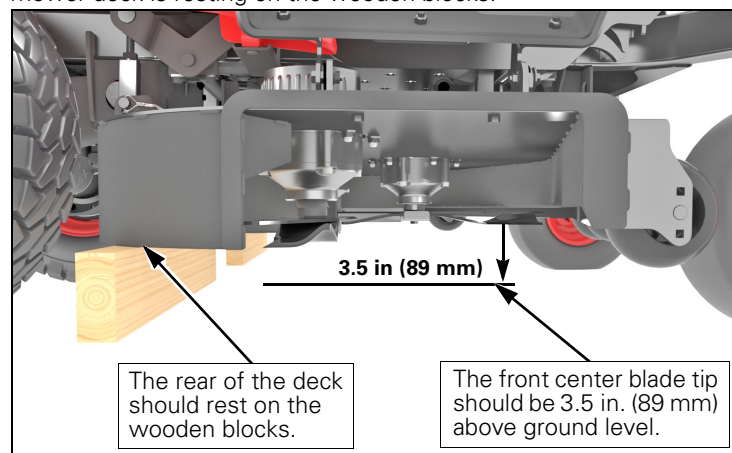
CAUTION

If the mower deck adjustment bolts are loosened too much (over 100 mm), the mower deck will disconnect from the mower and unexpectedly drop down.

You can be hurt or injured if any part of your body is underneath the mower deck if it drops.

Be sure the mower deck is properly supported, and the adjustment bolts are never adjusted over 100 mm of threads.

Using the two rear adjustment bolts, tighten or loosen the bolts until the mower deck is just resting on the 3.5 inch tall wooden blocks. There should be no slack in the rear adjustment bolts when the mower deck is resting on the wooden blocks.

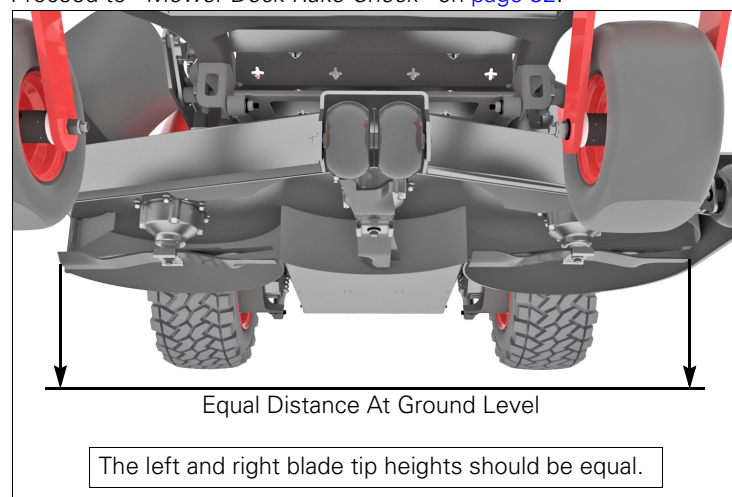


Using the two front adjustment bolts, adjust the mower deck until the front tip of the center blade's distance to flat ground measures 89 mm $\pm$ 1.5 mm.

Raise the mower deck up, remove the wooden blocks, and then lower the mower deck back down. Measure the distance the left and right blade tips to flat ground. If the measurements do not match, use the four adjustment bolts until they are equal ($\pm$ 1.5 mm).

Be sure to tighten all four adjust jam nuts to 29 ft-lb (39 N-m).

Proceed to "Mower Deck Rake Check" on [page 32](#).



Left-to-Right Horizontal Blade Height Check

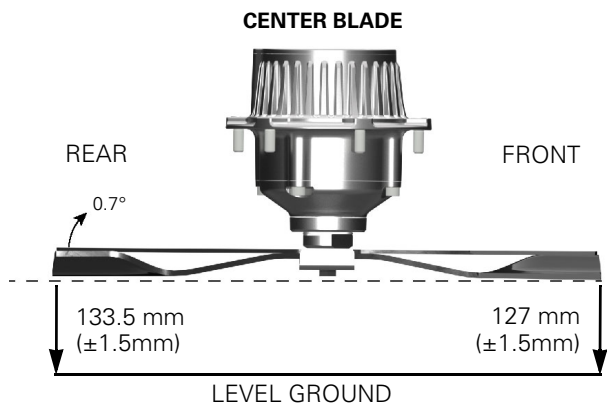
Raise the mower deck cutting height to five (5) inches.

The outermost left and right blade tips should measure 133 mm ($\pm$ 1.5 mm), as shown in the image above. If the left and right blade tips measure outside of the specification, use the four deck adjustment bolts to correct blade tip heights until they are equal, as explained in the *Mower Deck Height Setting* procedure on [page 31](#).

Mower Deck Rake Check

The mower deck should have a slight forward rake of 0.7 degrees. With the cutting blades rotated into the position described in the *Cutting Height Adjustment* procedure on [page 31](#), measure the following locations:

- Raise the mower deck cutting height to five (5) inches.
- The forward-most tip of the center blade should measure 127 mm (± 1.5 mm) from level ground. If it does not, adjust the two front adjustment bolts.
- The rear-most tip of the center blade should measure 133.5 mm (± 1.5 mm) from level ground. If it does not, adjust the two rear adjustment bolts.
- Tighten the jam nuts on all four adjustment bolts.

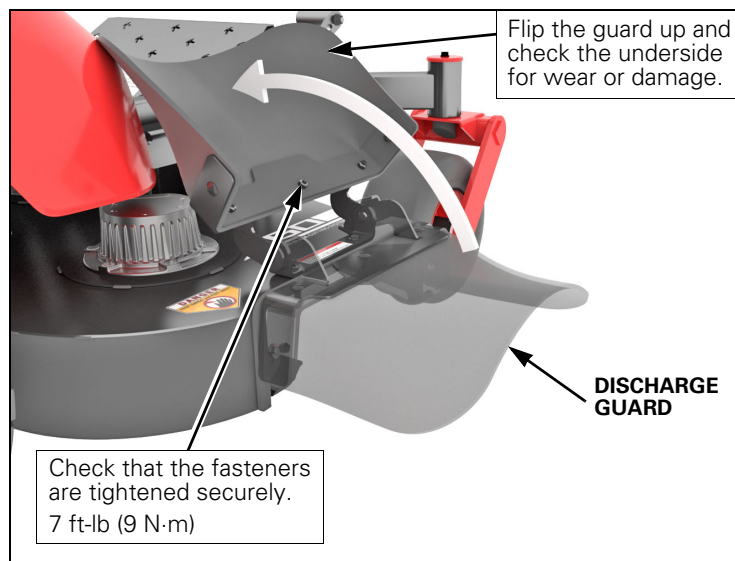


Discharge Guard Check

Inspect the discharge guard for signs of abnormal wear, holes, or damage, and replace it if necessary.

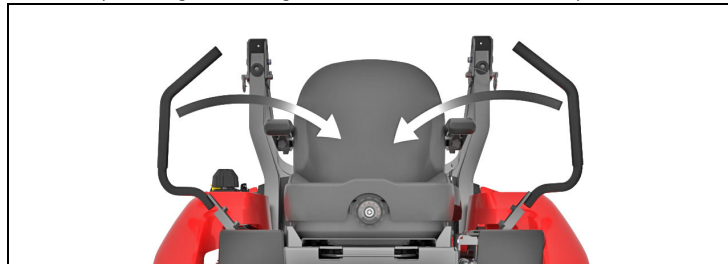
Ensure all fasteners securing the discharge guard to the mower deck are securely tightened to the specified torque.

Nylock Nut Torque: 7 ft-lb (9 N·m)



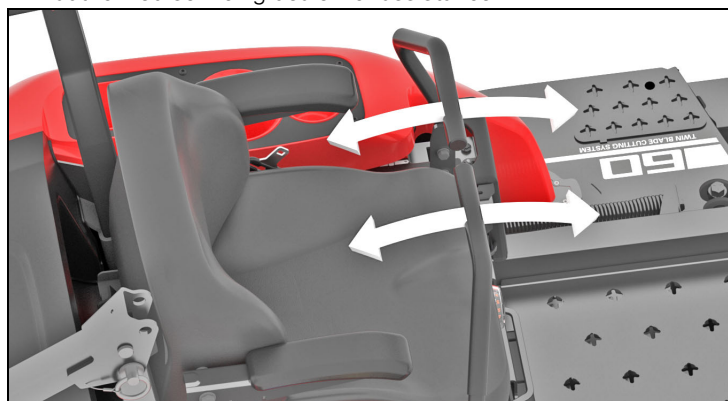
Operation Lever Check

- Sit in the operator's seat and then move both operation levers into the IN position. On a level surface, the mower should not creep or begin moving with both levers in the IN position.



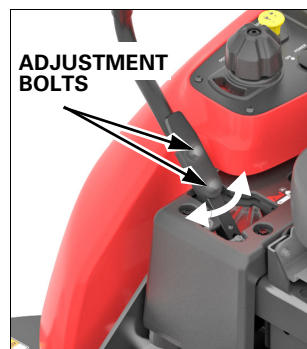
- Slowly move both operation levers forward and backward to check for proper operation.

Initiate a left and right turn and check for proper operation. If the mower does not function properly, refer to the *TROUBLESHOOTING* section on [page 39](#), or contact an authorized servicing dealer for assistance.



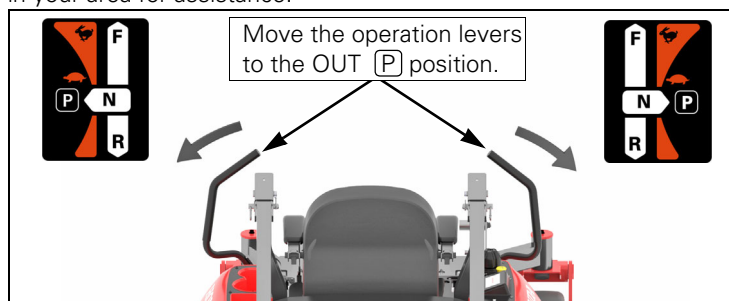
- Check that the left and right operation levers are even with each other (shown in above image) while the levers are in the IN (neutral) position or when driving the mower in a straight line.

The levers can be adjusted by loosening the two bolts on each lever and making fine adjustments until the levers are even.



Parking Brake Check

Before each mowing, check the operation of the parking brake by parking on a slight hill and moving both operating levers to the OUT position. The parking brake should activate and prevent the mower from rolling. If the parking brake function does not activate and hold the mower stationary on a hill, consult an authorized servicing dealer in your area for assistance.



Rear Tire Pressure

Check the rear tire air pressure and adjust it if necessary. See [page 10](#) for more wheel and tire information.

Pressure: 12 - 14 psi (83 - 97 kPa)

NOTICE

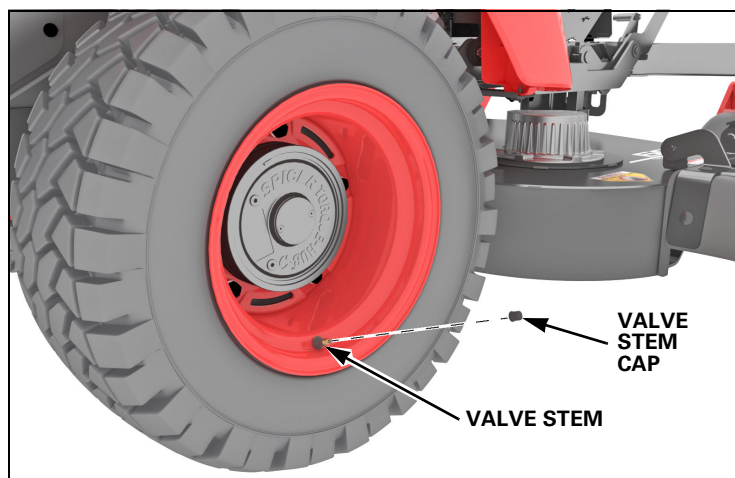
Do not over-inflate the rear tires as they may deform or become damaged.

⚠ WARNING

Inflating a tire above the recommended tire pressure may cause the tire to explode.

A tire explosion could seriously hurt or kill you.

Never inflate a tire above the recommended tire pressure.

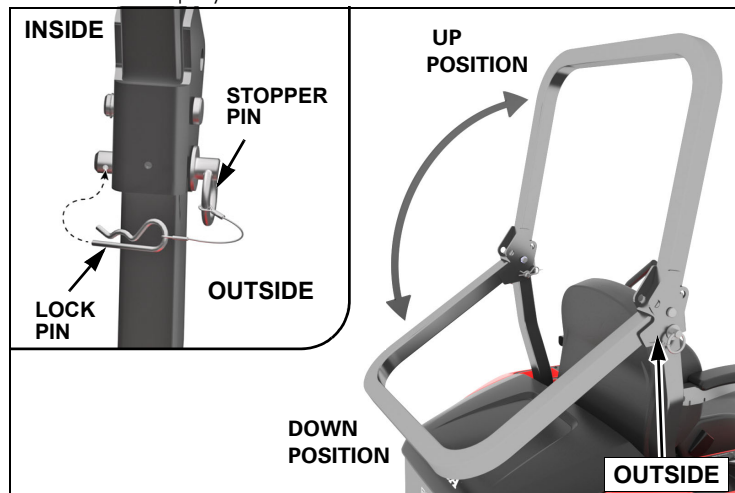


Rollover Protection System

Before each use, determine if the Rollover Protection System (ROPS) should be in the UP or DOWN position. It is recommended to always leave the ROPS in the UP position unless height limitations require it to be lowered.

Check the ROPS pins to ensure the stopper pins are fully installed, and the lock pins are securely inserted into the stopper pins.

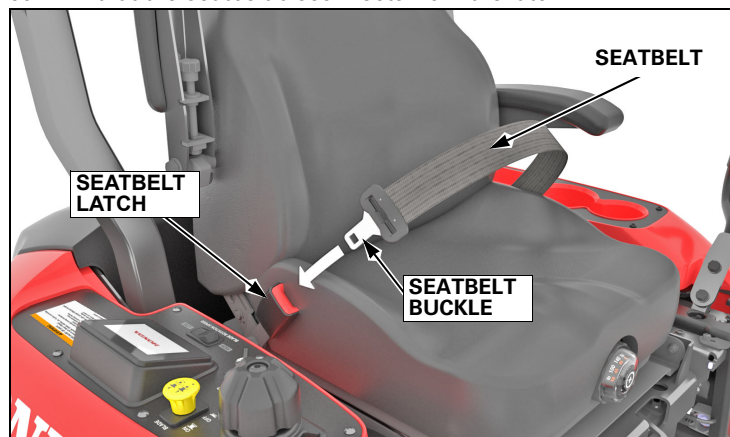
Temporarily inspect the movement of the ROPS by removing the stopper pins and moving the ROPS between the UP and DOWN positions to ensure it hinges smoothly. Check the pivot pins and stopper pins for rust or corrosion and lubricate them a light coating of silicone-based spray.



Seatbelt Check

Sit in the operator's seat and then securely fasten the seatbelt over your lap. Ensure the seatbelt latch makes a clicking sound as the buckle is inserted, and the seatbelt does not come undone when tugged on.

Press the red seatbelt latch button to unlatch the seatbelt buckle and confirm that the seatbelt disconnects from the latch.

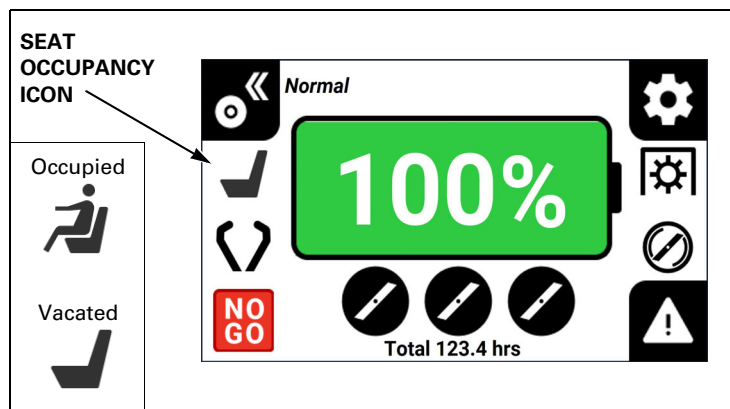


Seat Switch Check

Sit in the operator's seat and then turn the power switch to the ON position. After a few seconds, the digital display turns on and will display the main screen. You will find seat occupancy icon on the left side of the screen that will indicate if an operator is present or not.

While you are seated, confirm that the digital display shows the *Occupied* seat icon with a person sitting in the seat. The icon should change to the *Vacated* empty seat icon when you stand up off the seat.

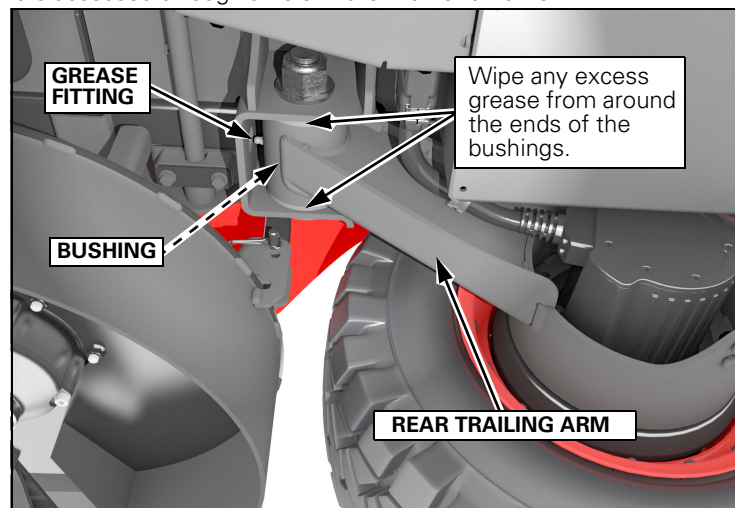
If the seat switch does not function properly, contact an authorized service dealer for assistance.



Trailing Arm Grease

The large bushing at the front of each rear trailing arms should be greased every 1000 hours of operation to maintain the suspension's performance and ride quality.

There is a grease fitting installed at the front of each trailing arm, and it is accessed through a hole in the mower's frame.



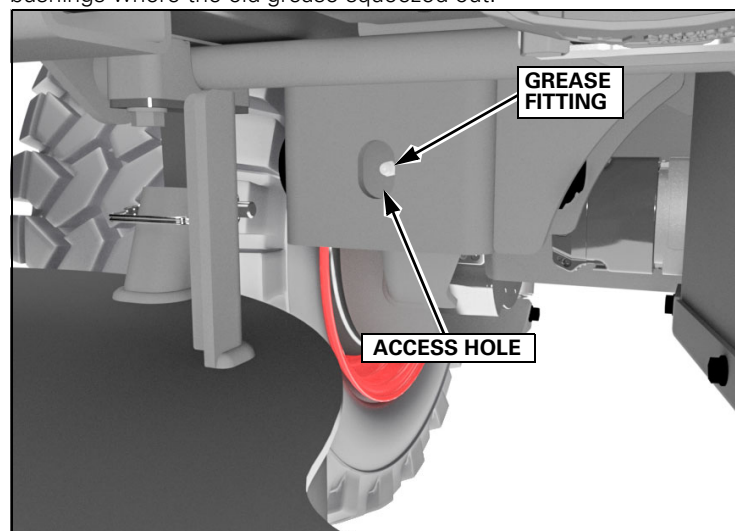
With the power switch turned to the OFF position, lower the mower deck to the lowest position to gain access to the grease fittings located in front of the trailing arms. Be careful not to get your hands caught in the gap between the frame and mower deck.

Using an appropriate grease gun, pump enough multi-purpose, extreme-pressure grease (approx. 44 cc) into the grease fittings until fresh grease squeezes out from around the bushings.

Trailing Arm Grease Capacity: 44 cc

Trailing Arm Grease Type: Shell Gadus S2 V220 2 or equivalent Lithium-based #2 Extreme Pressure grease

Wipe off any excess grease on the grease fittings and around the bushings where the old grease squeezed out.



Transmission Oil Change

The transmission oil in both rear wheel motors should be changed after the first 25 hours and then every 500 hours.

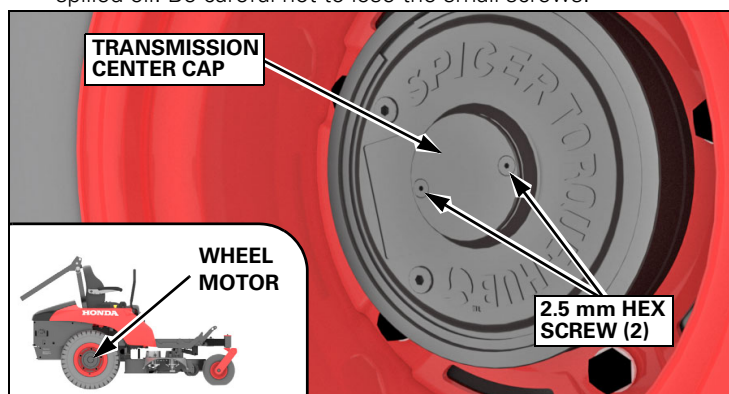
Transmission Oil Capacity: 0.3 L (10 oz.)

Transmission Oil Type: Honda ProZision Gear Oil (or equivalent)

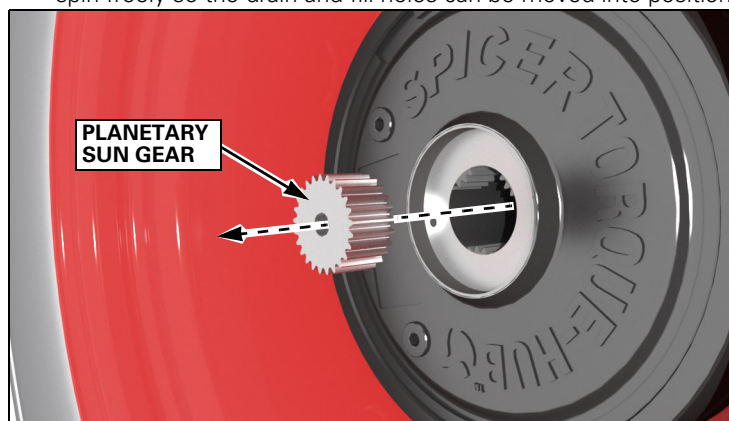
Wear latex, nitrile, or mechanic's gloves during this procedure as your hands will come in contact with transmission oil.

1. Lift the rear of the mower up so the rear wheels are off the ground (page 28).
2. Place a clean shop rag or suitable container underneath the rear wheel motor, and then remove the center cap from the rear wheel motor by carefully unscrewing the two hex screws using a 2.5 mm Allen wrench.

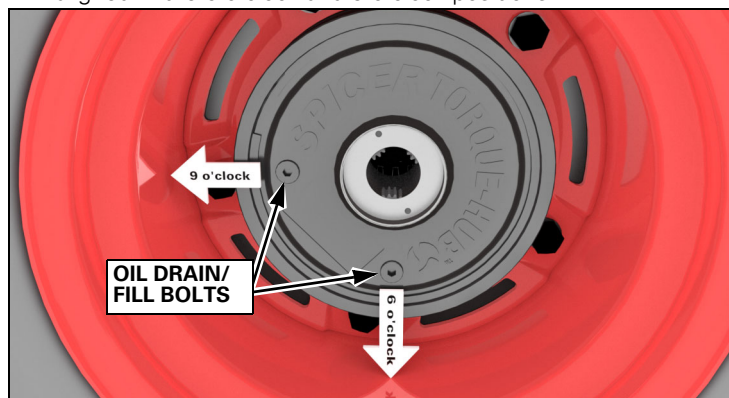
A small amount (~1 fl. oz.) of transmission oil will spill out when removing the center cap. Use a clean shop towel to wipe up any spilled oil. Be careful not to lose the small screws.



3. Remove the planetary sun gear using a magnet or pair of needle-nose pliers. Removal of this gear allows the wheel to spin freely so the drain and fill holes can be moved into position.



4. Rotate the wheel by hand until the two oil drain/fill bolts are aligned in the 6 o'clock and 9 o'clock positions.

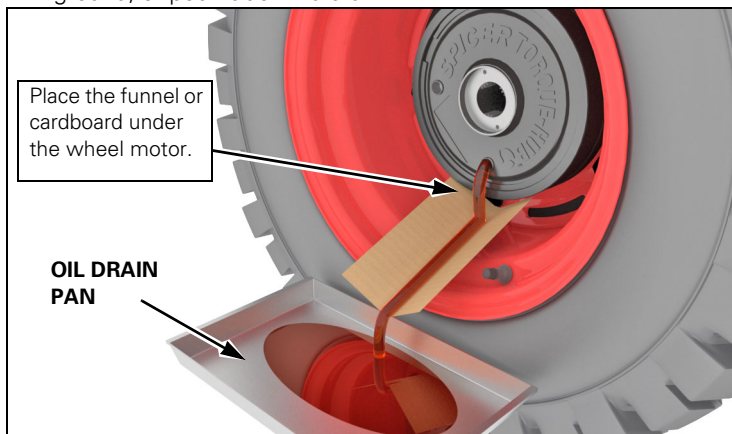


- Place a suitable oil drain pan or container below the wheel motor to catch the transmission case oil while it is draining.

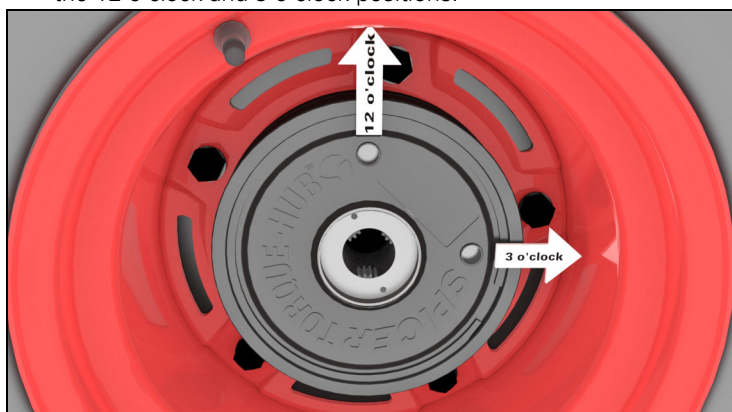
To keep the wheel and rubber tire clean and free from oil, use a small funnel or piece of cardboard to channel the drained oil into the drain pan.

- Remove both oil drain/fill bolts beginning with the 9 o'clock position bolt and allow the oil in the transmission case to drain completely from the 6 o'clock bolt hole.

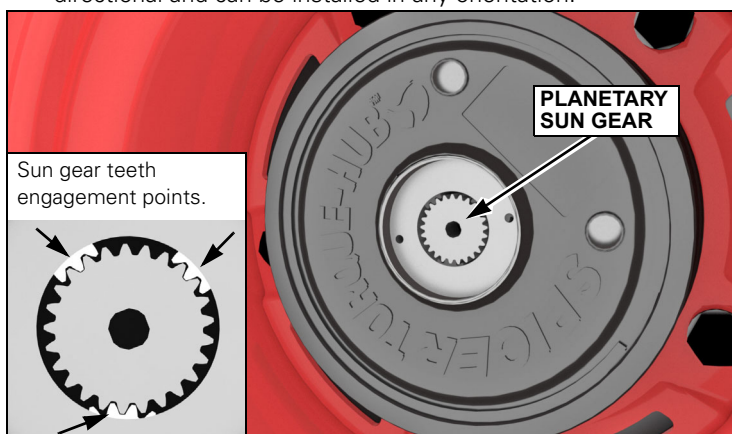
After draining, take the oil to your local recycling center or service station. Do not throw it in the trash, pour it on the ground, or pour it down a drain.



- After the oil has drained completely, wipe up any spilled oil, and then rotate the wheel so that the oil drain/fill holes are aligned in the 12 o'clock and 3 o'clock positions.

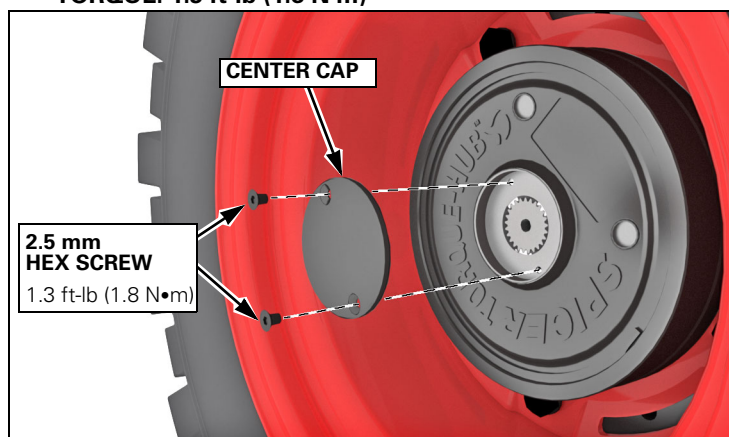


- Reinstall the planetary sun gear by aligning its teeth with the three gears inside the wheel motor. The sun gear is not directional and can be installed in any orientation.



- Reinstall the wheel center cap and tighten the two 2.5mm hex screws snugly. Do not overtighten!

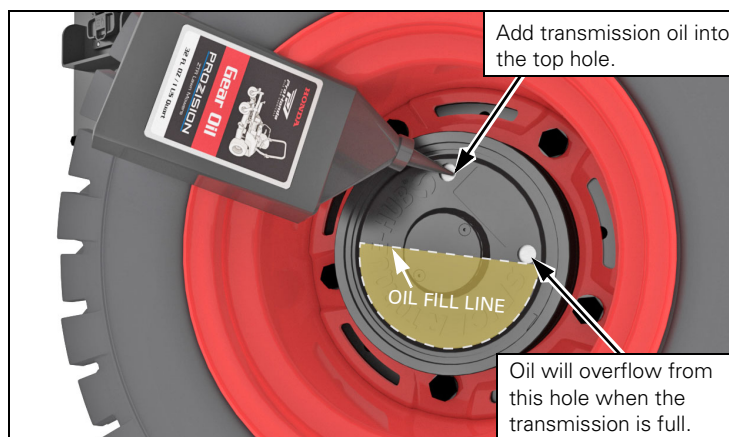
TORQUE: 1.3 ft-lb (1.8 N·m)



- Add enough fresh recommended oil into the 12 o'clock bolt hole until it begins to spill out of the drain bolt hole at the 3 o'clock position. Allow the oil level to settle.

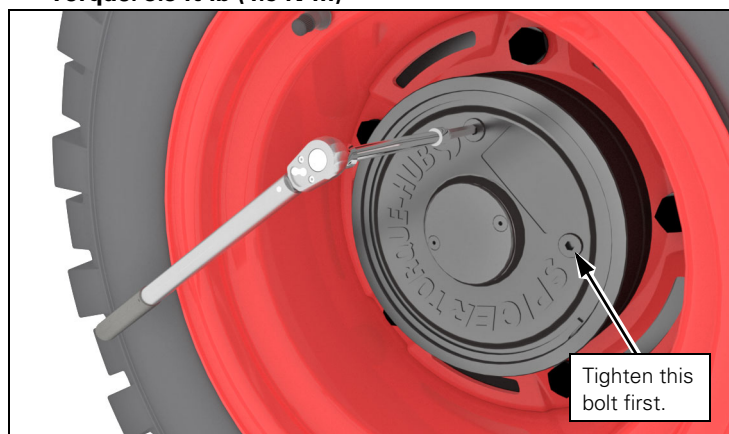
Transmission Oil Capacity: 0.3 L (10 oz.)

Transmission Oil Type: Honda ProZion Gear Oil (or equiv.)



- Reinstall the lower (3 o'clock) drain/fill bolt first, and then reinstall the upper drain/fill bolt. Tighten the two bolts snugly. Do not overtighten!

Torque: 3.3 ft-lb (4.5 N·m)



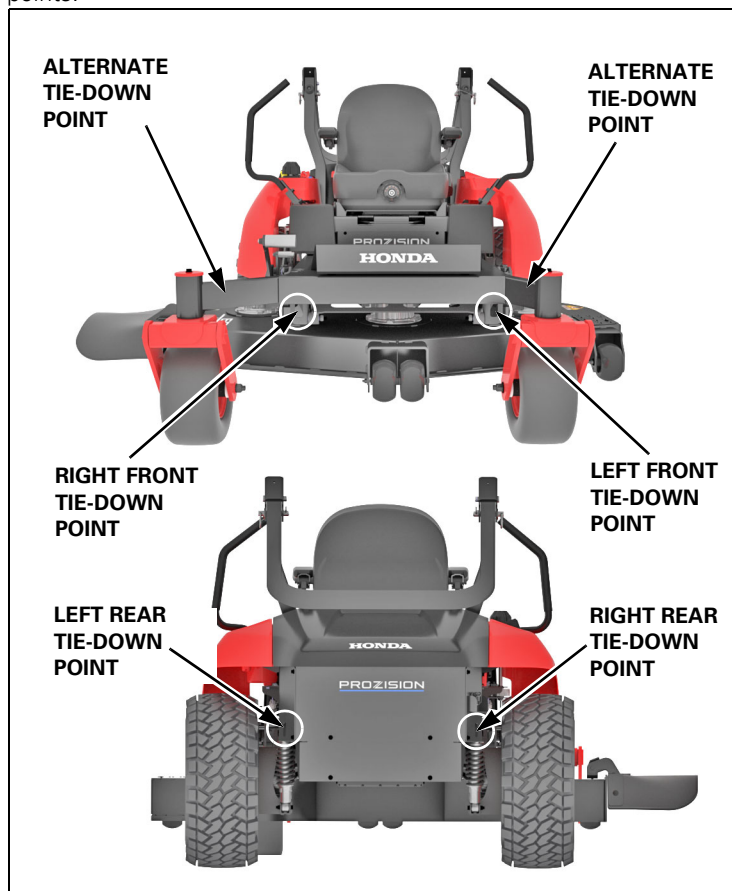
- Repeat steps 2 through 11 for the other rear wheel motor.

- Place the mower back on the ground and check for proper operation.

TRANSPORTING

Your mower is equipped with four tie-down points, one located at each corner, as shown. Use these attachment points when securing the mower to a trailer or vehicle.

The front frame rails may be used as an alternate tie-down point if your ratchet straps or rope are incompatible with the lower front tow points.



Always use suitable full-width loading ramp when driving the mower on and off the transport vehicle or trailer.

Position the mower so all four wheels are on the bed of the transport vehicle. Tie the mower down with suitable rope or straps and block the wheels. Keep the tie-down ropes or straps away from the controls, adjustment levers, and pedals.

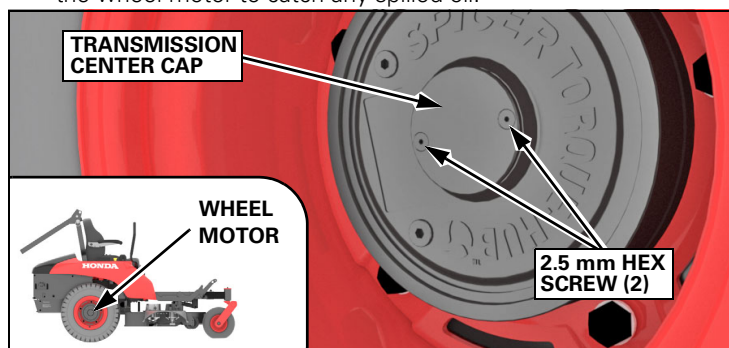
Fold the rollover protection system (ROPS) so the mower will take up less vertical space ([page 10](#)).

Transmission Neutral Mode

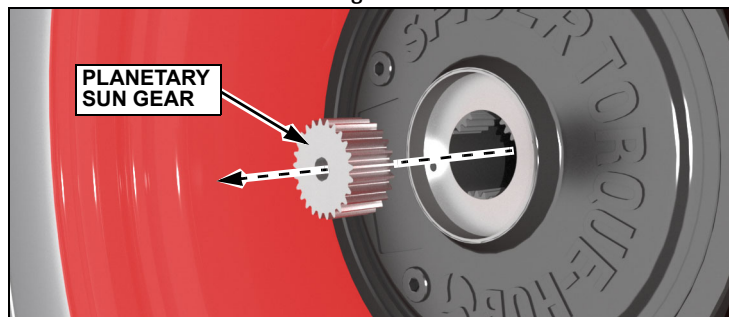
In the event the mower needs to be manually pushed or towed, the mower must be placed in Neutral Mode by removing the planetary sun gear inside each electric wheel motor. Even if the operation levers are in the neutral position, the parking brake will still prevent mower from being moved. Follow the procedure below to place the mower in neutral.

Wear latex, nitrile, or mechanics gloves during this procedure as your hands will come in contact with transmission oil.

1. Block both rear tires so the mower will not unintentionally roll. Removing the sun gears from one side disables the parking brake feature on only that side. Both sun gears must be removed.
2. Remove the center cap from the rear wheel motor by unscrewing the two hex screws using a 2.5 mm Allen wrench. Up to approximately 1 oz. (30 cc) of transmission oil may spill out when removing the center cap. Place a shop towel underneath the wheel motor to catch any spilled oil.



3. Remove the planetary sun gear using a magnet or pair of needle-nose pliers. Removal of this gear allows the wheel to spin freely. Place the sun gear in a safe location until it is time to reinstall it. **Do not lose the gear!**



4. To prevent oil leaks, temporarily reinstall the center cap and tighten the two 2.5 mm hex screws snugly until it is time to reinstall the sun gear and top off the transmission oil level.
5. Repeat steps 1 through 4 for the other rear wheel.
6. The mower is now in Neutral Mode and can be freely moved forward or backward.

To reengage the transmission wheel motors, block the wheels and then reinstall the planetary sun gears in the reverse order of removal. Refer to the *Transmission Oil Change* procedure on [page 34](#) to top off the transmission oil levels. A transmission can lose up to ~10% of their total oil capacity (10 oz.) when the sun gear is removed.

It is not recommended to continue mower operation until the wheel motors are refilled with oil. Any damage to the wheel motors due to low oil levels are not covered under *Distributor's Limited Warranty*.

STORAGE

Proper storage preparation is essential for keeping your lawn mower trouble-free and looking good. To help keep rust and corrosion from impairing your lawn mower's function and appearance, follow the instructions described in this section to clean and store the mower.

Cleaning

Allow the mower to cool before cleaning.

Before cleaning the underside of the mower deck, stop the mower and turn the power switch to the OFF position.

Remove any grass clippings from the underside of the mower deck using compressed air, a suitable brush, or damp rag.

Do NOT clean the mower with water from a garden hose or pressure washer. Be careful to avoid getting water into the controls, switches, or anywhere near the battery compartment.

Do NOT allow water to enter the charge port. Only use compressed air and a suitable brush to remove any debris from inside the charge port and terminals. Inspect the charge port cover rubber seal to ensure it is in good condition and not torn.

NOTICE

Using a garden hose or pressure washing equipment can force water into electrical components and motors and cause them to short circuit or become damaged. Only use a damp cloth and compressed air to clean the mower.

After the lawn mower is clean and dry, touch up any damaged paint, and coat other areas that may rust with a light film of oil.

Storage Location

Your mower's batteries should be charged to between 10% and 50% state-of-charge (SOC) during long-term storage. Do not keep the mower connected to the battery charger during extended storage periods.

It is recommended to check the batteries every 12 months and recharge to 30~50% before the batteries get to 10% charge.

Do not store the mower outside. To prevent theft or damage, only store the mower indoors in a cool, dry, protected area.

The mower should be stored indoors in an open, dry, well-ventilated location that has an ideal temperature between -4°F and 86°F (-20°C and 30°C). This temperature range allows for maximum battery storage life. Do not store the mower in temperatures higher than 131°F (55°C).

Place the mower on a level surface and use suitable wheel chocks to prevent the mower from moving.

Lower the rollover protection system (ROPS) to reduce the mower's vertical footprint.

Cover the mower to keep out dust. Do not use sheet plastic as a dust cover. A nonporous cover will trap moisture around the mower, promoting rust and corrosion.

Removing From Storage

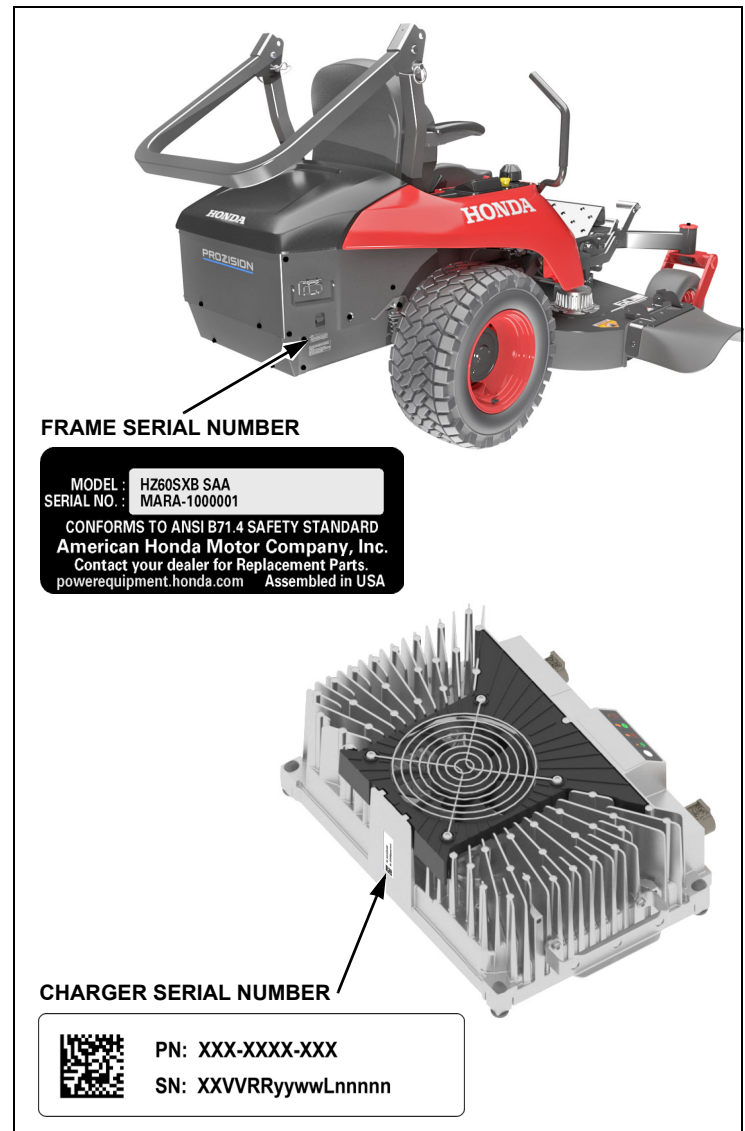
When unfolding the rollover protection system (ROPS), ensure that both sides are locked with the hitch pins and split pins.

Fully charge the mower before use ([page 22](#)).

Check your mower as described in *BEFORE OPERATION* ([page 9](#)).

TECHNICAL INFORMATION

Serial Number Locations



The lawn mower frame serial number consists of four letters, a dash, and then seven numbers.

The battery charger serial number consists of 16 characters and is located on a label on the back side of the charger, opposite the cable connections.

Record the mower frame serial number and charger serial numbers in the spaces below. You will need these serial numbers when ordering parts and when making technical or warranty inquiries.

Mower frame serial number: _____

Battery charger serial number: _____

Date of purchase: _____

Refer to the *Customer Information* section on [page 41](#) for additional information.

Specifications

MODEL	ProZision™ HZ60SXB	ProZision™ HZ54SXB
MOTOR		
System Voltage	48 Volt	
Motor Type	Brushless, Permanent Magnet	
Estimated Run Time (Low/High)	*4.5 hr / 4.3 hr	*4.5 hr / 4.3 hr
Mowable Acres (Low/High)	*15 acre / 14 acre	*14 acre / 13 acre
BATTERY		
Battery Type	Lithium-ion	
Battery Gross Capacity	19.2 kWh	
Charge Time - 120V	16.5 hr.	
Charge Time - 240V	6.5 hr.	
ERGONOMICS		
Drive Comfort	Ideal Operator Position System (IOPS)	
Seat & IOPS Travel	7.5"	
Steering Controls	Independent left & right wheel control, integrated return springs & dampers	
Rear Suspension	Rear Trailing arm with cushions	
Front Suspension	Torsional dampening	
Seat Suspension	Mechanical	
Driving Modes	3 user selectable settings - Rapid/Normal/Precise	
Operator Digital Display	4.3" sunlight view touchscreen display	
MOWER DECK/FRAME		
Blade Motor	48V DC Brushless Motor (x3)	
Deck Style	Side Discharge	
Height Adjustment	Easy-to-use rotating knob with dial indicator	
Deck Material	High Strength 10-gauge steel deck with 7-gauge baffle plates	
Deck Lift Operation	Hands-free lock/unlock	
Frame	Carbon steel structural tubing with high strength steel supports	
Rear Departure Angle	35°	
Ground Clearance	10"	
Anti-Scalp Rollers	Standard center and side positions on mowing deck	
CUT		
Cutting System	3 pairs of MicroCut® Twin Blades (12 cutting edges per revolution)	
Low/High Cutting Blade Speed	2,600 rpm / 2,750 rpm	2,876 rpm / 3,042 rpm
Blade Length	21" MicroCut® Twin Blade	19" MicroCut® Twin Blade
Maximum Slope	15 degrees (27%)	
Cutting Width	60"	54"
Cutting Modes (blade speeds)	User Selectable blade speed - Low/High	
Cutting Height Range	1.5" to 5.0" (0.25" increments)	
WHEELS		
Drive Motor	48V-3.48kW DC Brushless Motor (x2)	
Tires	Front 13x6.50-6 semi-pneumatic, Rear 24x12-12 turf tire	
DIMENSIONS		
Gross Vehicle Weight	1,351 lbs.	1,338 lbs.
Forward Speed	10 mph	
Mowing Speed - Rapid / Normal / Precise	10 mph / 8 mph / 7 mph	
Reverse Speed - Rapid / Normal / Precise	5 mph / 4 mph / 4 mph	

* Total Run Time and Mowable Acreage will vary depending on mowing and environmental conditions such as grass type, terrain, and how the mower is used.

TROUBLESHOOTING

Refer to the following troubleshooting information should you encounter a problem while mowing, an error on the digital display, or while charging the mower. If you are unable to correct a problem, contact your nearest authorized Honda servicing dealer for assistance ([page 41](#)).

Poor Cut Quality

Possible Cause	Correction
Blades are dull or damaged	Inspect the cutting blades and blade holder for sharpness and damage (page 29). Replace the blades if necessary.
Blade holders bent or damaged.	
Upper blade(s) installed upside down	Remove the blades and reinstall in the correct directions (page 29).
Blade speed set to SLOW	Move the Blade rotation switch to FAST (page 13).
Grass is too tall or dense	Raise the cutting height (page 11), cut a narrower swath, use a slower ground speed, or cut more frequently. See <i>Mowing Tips</i> on page 21 for more information.
Rear tire air pressure is unequal or too low	Check the air pressure in both rear tires.
Mower is moving too fast for lawn conditions	Apply less pressure to the operation levers or choose a slower Drive Profile (page 17).
Mower deck is clogged	Clean out the mower deck (page 37).
Anti-scalp rollers are incorrectly adjusted or missing	Be sure all four anti-scalp rollers are installed, and all are installed at the same height setting (page 29).
The mower deck housing is incorrectly adjusted	Check the mower deck cutting height and adjust if necessary (page 30).
Possible blade motor damage or component failure	Take the mower to an authorized Honda servicing dealer for repair.

Vibration

Possible Cause	Correction
Grass and debris lodged under the mower deck	Clean out the mower deck (page 37).
Blades loose	Tighten loose blade bolts (page 30).
Blades or blade holders bent, damaged, or unbalanced by improper sharpening	Inspect the cutting blades and blade holders for damage (page 29). Replace the blades or holders if necessary.
Mechanical damage, such as a bent blade motor shaft	A blade motor shaft can become bent if the blade strikes an immovable object, such as a tree root, stump, or rock. Take the mower to an authorized Honda servicing dealer for repair.

Mower Does Not Operate

Possible Cause	Correction
Operator seat is empty	Sit in the operator seat and confirm the <i>Occupied</i> icon is showing on the screen (page 33). If it does not, contact a Honda servicing dealer for inspection.
Battery charge level too low	Charge the mower (page 22).
No-Go interlock still activated	Place both operation levers back in the OUT (park) position again, and then back to the IN position and retry driving.
The mower's temperature is too cold	Temperatures must be higher than 32°F (0°C) for the mower to operate.
Fault message on display	Check the fault history (page 17). Cycle the power switch OFF and then ON again with levers in Park position.
Blades do not rotate	If the battery voltage drops too low, blade rotation stops until the mower is sufficiently charged. Charge mower (page 22) and recheck.
Mower was placed in <i>Neutral Mode</i> for towing purposes	If the mower was recently placed in Neutral Mode, the planetary sun gears may still be removed. See page 36 .
Mower is out of calibration	Perform lever calibration (page 19). If unsuccessful, contact your nearest Honda servicing dealer for inspection.
Display on <i>Calibration</i> screen	Exit the <i>Calibration</i> screen and recheck.
Fuse is blown	Check and replace the fuse (page 40).

Charging Problems

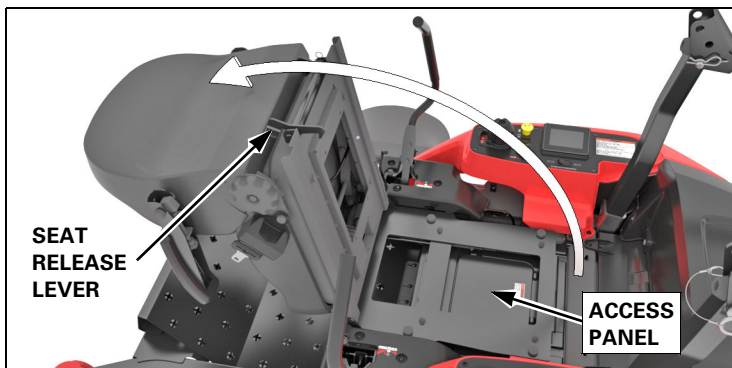
Possible Cause	Correction
The charger is unplugged from the wall outlet	Plug the charger's power cord into the wall outlet and recheck
The building circuit breaker is tripped	Locate the building's electrical panel and check that the circuit breaker powering the electrical outlet is not tripped. Reset the breaker and recheck.
The charging cord or power cord is damaged	Unplug both cables from the wall outlet and mower and then inspect the cables and cable connectors for damage.
The charger has an internal fault or error.	Unplug the charger's cables, wait 10 seconds, reinstall the cables, and retry.
The charger's LED is flashing orange or is solid red.	If no change, take the charger and mower to an authorized Honda servicing dealer for repair.
The outside air temperature or battery temperature is too low or too high	The lawn mower will not charge if temperatures are below 32°F (0°C) or above 113°F (45°C). Move the mower and charger to a more suitable climate.
The battery voltage level is too low.	Take the mower to an authorized Honda servicing dealer for repair.
The mower's batteries are damaged due to extreme temperatures or voltages that are too low or too high.	Take the mower to an authorized Honda servicing dealer for repair.

Fuse Replacement

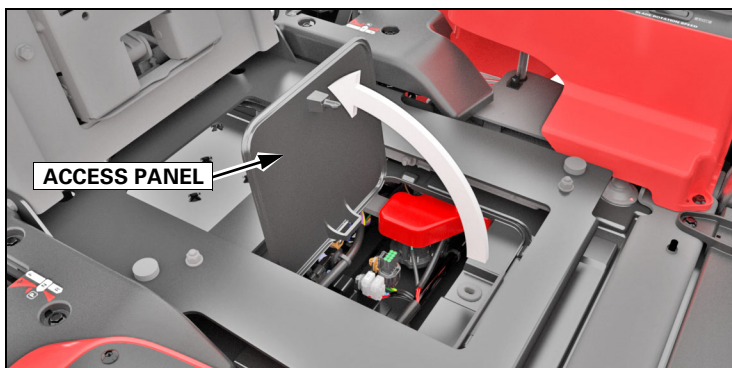
Your ProZision™ mower has two replaceable fuses below an access panel underneath the operator's seat to protect the drive and digital display electrical systems. In the event you run into a problem where the digital display or drive system does not operate, check these fuses to ensure they are not blown.

If you experience a problem that resulted in a blown fuse, replace the fuse with an identically sized fuse and retest operation. If the fuse continues to blow, the mower will likely require additional troubleshooting and repairs to correct the problem. It is recommended to consult an authorized servicing Honda dealer in your area for assistance.

1. Turn the Power switch to the OFF position and wait at least 6 seconds before removing or replacing any fuses.
2. Slide the operator's seat to the fully forward position (page 9).
3. Locate the black release lever behind the seat, near the bottom of the seat base. Push and hold the lever toward the front of the mower, and then carefully lift the rear of the seat up and fold it forward.



4. Locate the square plastic access panel below the seat.
Open the access panel by lifting up on the rear of the cover to release the catch, and then hinging the access panel toward the front of the mower.



5. Locate the two transparent plastic fuse holders labeled 2A and 5A below the access panel.

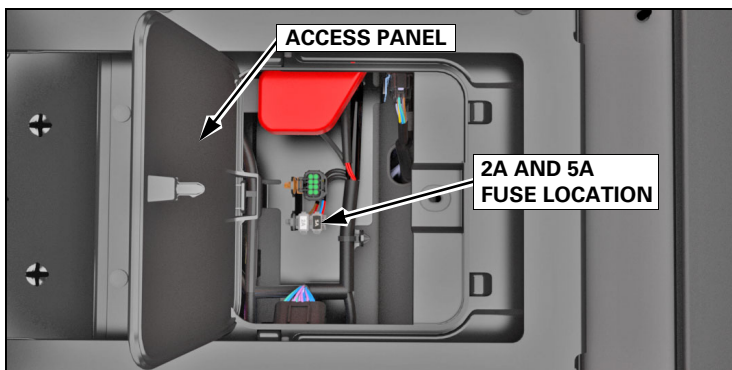
Open the fuse holder lids, and then remove and inspect both fuses.

If a fuse is blown and you are unable to understand why, contact an authorized Honda servicing dealer for assistance.

- The 2A mini blade fuse protects the digital display circuitry.
- The 5A mini blade fuse protects the mower's drive system.

NOTICE

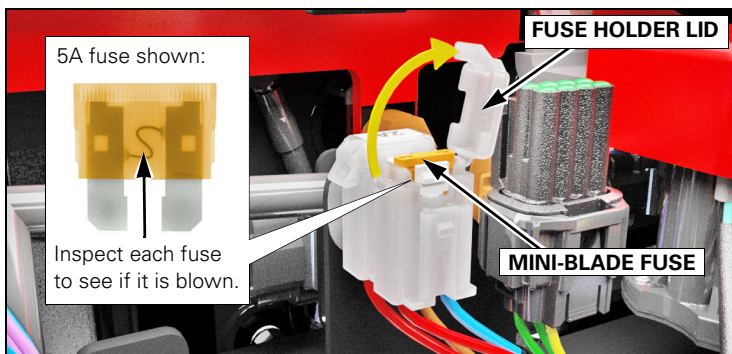
A blown fuse must always be replaced by one of the same type and ampere rating, and never with one of another rating.



6. Reinstall the access panel and then carefully fold the seat down until it latches with an audible clicking sound. Ensure the seat is latched securely.

CAUTION

The operator's seat is heavy and can create a pinch hazard if the seat unexpectedly drops. You can be hurt or injured if the seat drops onto your hands or fingers while lowering and raising the seat. Be sure to lower the seat slowly and carefully and always keep all body parts away from the underside of the seat as you lower or raise it.



CUSTOMER INFORMATION

Parts and Service Items

Contact an authorized Honda servicing dealer to purchase any of these (or other) Honda Genuine items for your lawn mower.

Replacement Parts

Item	Part Number	Notes
Lower blade: 54" Deck 60" Deck	72511-V0F-M10 72511-V0F-M00	Always use an upper and lower blade as a set. Three sets are required.
Upper blade: 54" Deck 60" Deck	72531-V0F-M10 72531-V0F-M00	
Blade bolt	90109-V0F-M00	3 required, 7/16-20 x 1.5
Blade spring washer	90504-V0F-M00	3 required, 7/16"
Anti-Scalp Roller	76230-V0F-M01	4 required
Front tire	44710-V0F-M01	6.5" Carlisle
Rear tire	42751-V0F-M01	24x12-12, Carlisle
Fuses 2 Amp 5 Amp	Commercially Available	Mini blade size (Standard fuse will not fit.)

Service Items

Item	Part Number	Notes
Transmission Oil	08294-H99-ZEYA4	Honda ProZision Gear Oil, 1 quart/32 oz. bottle
Rear Trailing Arm Grease	Commercially available or contact your Honda dealer	Shell Gadus S2 V220 2 or equivalent Silicone Extreme Pressure #2 grease

Dealer Locator Information

To find an Authorized Honda Servicing Dealer anywhere in the United States, visit powerequipment.honda.com and click on Find a Dealer.

How to Contact Honda

Honda Power Equipment dealership personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your dealer cannot resolve to your satisfaction, please discuss it with the dealership's management. The Service Manager or General Manager can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Power Equipment Customer Relations Office. You can write:

American Honda Motor Co., Inc.

Power Equipment Division
Customer Relations Office
4900 Marconi Drive
Alpharetta, GA 30005-8847

Or telephone: (770) 497-6400 M-F, 9:00 a.m. - 7:30 p.m. ET

When you write or call, please give us this information:

- Model and serial number ([page 37](#))
- Name of the dealer who sold the lawn mower to you
- Name and address of the dealer who services your lawn mower
- Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem

Honda Publications

These publications will provide you with information on maintaining and repairing your lawn mower.

Owner's Manual

Keep this owner's manual handy so you can refer to it at any time. Consider this owner's manual a permanent part of the lawn mower; please give it to the new owner if you resell the lawn mower.

The information and specifications included in this publication were in effect at the time of approval for printing. American Honda Motor Co., Inc. reserves the right, however, to discontinue or change specifications or design at any time without notice and without incurring any obligation whatever. No part of this publication may be reproduced without written permission.

Shop Manual

This manual covers complete maintenance and overhaul procedures. It is intended to be used by a skilled technician. Available for purchase by visiting publications.powerequipment.honda.com.

Parts Catalog

This manual provides complete, illustrated parts lists for your mower. Visit powerequipment.honda.com and then click on Support for free online access to the parts catalog. It is also available for purchase in paper form by visiting publications.powerequipment.honda.com.

Frequently Asked Questions

The Honda Power Equipment web site provides additional information for users of Honda power equipment. Visit powerequipment.honda.com and click on FAQs or scan the QR code shown.



DISTRIBUTOR'S LIMITED WARRANTY

Honda Power Equipment

This warranty is limited to the following Honda Power Equipment products when distributed by American Honda Motor Co., Inc., Power Equipment Division, 4900 Marconi Drive, Alpharetta, Georgia 30005-8847, purchased at retail or placed in rental service on or after January 1, 2010.

PRODUCTS COVERED BY THIS WARRANTY	LENGTH OF WARRANTY (from date of original retail purchase)	
	PRIVATE RESIDENTIAL ⁽¹⁾	COMMERCIAL/ RENTAL/ INSTITUTIONAL
Honda ProZision™ ZTR Mower	36 months or 2000 operating hours ⁽²⁾	
Battery	36 months or 36,000 CDAh ⁽³⁾	

(1) Private residential: Used in maintaining owner's primary and/or secondary residence. Any other use, including but not limited to informal "for hire" use, is considered commercial/rental/institutional use.

(2) Operating hours are defined by the number of hours shown on the mower's digital display under Drive Run Time, and not the total number of hours shown on the main screen or under Machine Run Time. To identify the operating hours [Drive Run Time], see "Machine Runtime" on [page 18](#)

(3) To identify the Cumulative Discharge Amp Hours (CDAh) for the six individual batteries, see "Battery Status" on [page 18](#).

To Qualify for This Warranty:

The product must be purchased in the United States, Puerto Rico, or the U.S. Virgin Islands from American Honda or a dealer authorized by American Honda to sell those products. This warranty applies to first retail purchaser and each subsequent owner during the applicable warranty time period, unless noted otherwise.

What American Honda Will Repair or Replace Under Warranty:

American Honda will repair or replace, at its option, any part that is proven to be defective in material or workmanship under normal use during the applicable warranty time period. Warranty repairs and replacements will be made without charge for parts or labor. Anything replaced under warranty becomes the property of American Honda Motor Co., Inc. All parts replaced under warranty will be considered as part of the original product, and any warranty on those parts will expire coincident with the original product warranty.

To Obtain Warranty Service:

You must, at your expense, take the Honda Power Equipment product, accessory, replacement part, apparel, or the power equipment on which the accessory or replacement part is installed, and proof of purchase to any Honda Power Equipment dealer in the United States, Puerto Rico, or the U.S. Virgin Islands who is authorized to sell and/or service that product, during the dealer's normal business hours. To locate a dealer near you, visit our web site at PowerEquipment.Honda.com and click on Find a Dealer.

If you are unable to obtain warranty service or are dissatisfied with the warranty service you receive, contact the owner of the dealership involved; normally this will resolve the problem. However, if you should require further assistance, write or call the Power Equipment Customer Relations Department of American Honda Motor Co., Inc. See "How to Contact Honda" on [page 41](#).

Exclusions:

- Any damage or deterioration resulting from the following:
 - Neglect of the periodic maintenance as specified in this manual
 - Improper repair or maintenance
 - Operating methods other than those indicated in the product owner's manual
 - Increasing engine speed beyond factory specification
 - The use of non-genuine Honda parts, accessories, lubricants, and fluids other than those approved by Honda
 - Exposure of the product to soot and smoke, chemical agents, bird droppings, sea water, salt or other corrosive environments
 - Collision, fuel contamination or deterioration, neglect, unauthorized alteration, misuse, incorporation or use of unsuitable attachments or parts
 - Normal wear and tear (including, but not limited to, normal fading of painted or plated surfaces, sheet peeling, and other natural deterioration)
- Consumable parts: Honda does not warrant parts deterioration due to normal wear and tear. The following parts are not covered by warranty (unless they are needed as a part of another warranted repair): spark plug, fuel filter, air cleaner element, clutch disc, tire, wheel bearing, recoil starter rope, cable, belt, cutter blade, oil, and grease.
- Cleaning, adjustment, and normal periodic maintenance work (carburetor cleaning, engine oil draining, blade sharpening, belt and cable adjustments).
- Any product that has ever been declared a total loss or sold for salvage by a financial institution or insurer.
- Auger and paddle assemblies of snow throwers, tiller tines of roto-tillers, mower blades and mower deck housings, are specifically not warranted against impact damage, including but not limited to, abrasive damage.

Disclaimer of Consequential Damage and Limitation of Implied Warranties:

American Honda disclaims any responsibility for loss of time or use of the product, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written limited warranty. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Honda Parts, Accessories, and Apparel

This warranty is limited to Honda Power Equipment parts, accessories, and apparel when distributed by American Honda Motor Co., Inc., 4900 Marconi Drive, Alpharetta, Georgia 30005-8847.

PRODUCTS COVERED BY THIS WARRANTY	LENGTH OF WARRANTY (from date of original retail purchase)	
	PRIVATE RESIDENTIAL	COMMERCIAL/ RENTAL/ INSTITUTIONAL
Parts	6 months	3 months
Accessories	12 months	3 months
Apparel	6 months	3 months

To Qualify for This Warranty:

- The parts, accessories, or apparel must be purchased from American Honda or a dealer authorized by American Honda to sell those products in the United States, Puerto Rico, and the U.S. Virgin Islands. Parts and Accessories must be purchased for installation on original Honda equipment or engines to be eligible for warranty coverage. Installing parts and accessories on non-Honda products or engines voids this warranty.
- You must be the first retail purchaser. This warranty is not transferable to subsequent owners.

What American Honda Will Repair or Replace Under Warranty:

American Honda will repair or replace, at its option, any Honda Power Equipment parts, accessories, replacement parts, or apparel that are proven to be defective in material or workmanship under normal use during the applicable warranty time period. Anything replaced under warranty becomes the property of American Honda Motor Co., Inc. The warranty on all parts, accessories, and apparel replaced under warranty will expire coincident with the original warranty on the replaced parts, accessories, or apparel.

Parts and accessories installed by a dealer who is authorized by American Honda to sell them will be repaired or replaced under warranty without charge for parts or labor. If installed by anyone else, parts and accessories will be repaired or replaced under warranty without charge for parts, but any labor charges will be the responsibility of the purchaser.

Apparel will be repaired or replaced under warranty without any charge.

To Obtain Warranty Service:

You must, at your expense, take the Honda Power Equipment part, accessory, apparel or the Honda Power Equipment on which the part or accessory is installed, and proof of purchase to any Honda Power Equipment dealer in the United States, Puerto Rico, or the U.S. Virgin Islands who is authorized to sell that product, during the dealer's normal business hours. To locate a dealer near you, visit our web site at PowerEquipment.Honda.com and click on Find a Dealer.

If you are unable to obtain warranty service or are dissatisfied with the warranty service you receive, contact the owner of the dealership involved; normally this will resolve the problem. However, if you should require further assistance, write or call the Power Equipment Customer Relations Department of American Honda Motor Co., Inc. See "How to Contact Honda" on [page 41](#).

Exclusions:

This warranty does not extend to parts, accessories, or apparel affected or damaged by collision, normal wear, use in an application for which the product was not designed or any other misuse, neglect, incorporation or use of unsuitable attachments or parts, unauthorized alteration, improper installation, or any causes other than defects in material or workmanship of the product. Installing parts and accessories on non-Honda products or engines voids this warranty.

Disclaimer of Consequential Damage and Limitation of Implied Warranties:

American Honda disclaims any responsibility for loss of time or use of the product, or the power equipment on which the product is installed, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written warranty. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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