

AHM

Lawn Mower User Manual



Read Carefully Before Use
Keep for Future Reference

Disclaimer

Read this disclaimer completely and carefully before proceeding with the rest of the manual content.

1. **Product Modifications**

Any modifications or alterations to AHM products void any warranties and may result in damage or injury. AHM shall not be liable for any damages resulting from such modifications or alterations.

2. **Compliance with Laws**

Customers shall be liable for ensuring that the use of AHM products complies with all applicable laws and regulations in their respective jurisdictions. AHM shall not be responsible for any violations of laws or regulations resulting from the use of AHM products.

3. **Correct Use**

Always use AHM products only as directed in the accompanying manuals. Failure to follow instructions may result in injury or damage.

Always ensure the assembly, installation, operation, maintenance, or repair of AHM products is carried out by a competent person.

Regular maintenance should be performed throughout the lifecycle of AHM products. You are responsible for ensuring the products operate as intended.

Always wear appropriate protective gear.

4. **Third-Party Products**

AHM shall not be liable for any damages or losses resulting from the use of third-party products in conjunction with AHM products. Customers shall refer to the third-party's guidelines and/or warranties (if any) for any third-party products used.

5. **Limitation of Liability**

AHM shall not be liable for any direct, indirect, punitive, incidental, special, or consequential damages to property or life, whatsoever arising out of or connected with the use or misuse of AHM products. In no event shall AHM's liability exceed the value of the products sold.

6. **Warranty**

Refer to the sales page for warranty information.

This disclaimer states the entire obligation of AHM with respect to AHM products. If any part of this disclaimer is determined to be void, invalid, unenforceable, or illegal, including but not limited to the warranty disclaimers, liability disclaimers, and liability limitations set forth above, the invalid or unenforceable provision will be deemed superseded by a valid and enforceable provision that most closely matches the intent of the original provision and the remainder of the agreement shall remain in full force and effect.

Contents

1	Safety Information.....	5
1.1	General Safety.....	5
1.2	Workspace Safety.....	5
1.3	Personal Safety	6
1.4	Electrical Safety	7
1.5	Engine Safety	8
1.6	Mowing Safety	8
1.7	Maintenance Safety	9
2	Specifications.....	10
3	Product Diagram.....	12
3.1	Overview.....	12
3.2	Remote Control.....	13
4	Package List	14
5	Preparation.....	15
5.1	Unpacking.....	15
5.2	Installing the Engine Protective Rack.....	15
5.3	Filling the Fuel Tank.....	16
5.4	Checking the Engine Oil Level.....	17
5.5	Preparing Your Lawn	18
5.6	Putting on PPE	18
6	Operation	19
6.1	Powering on the Mower	19
6.2	Initiating the Engine.....	19
6.3	Driving the Mower to Your Lawn	21
6.3.1	Using the Remote Control	21
6.3.2	Using the Direction Control Joystick	23
6.4	Mowing.....	23
6.5	After Mowing.....	25
7	Maintenance	27
7.1	General Instructions.....	27
7.2	Replacing the Engine Oil.....	27

7.3	Inspecting the Air Filter	28
7.4	Replacing the Cutting Blades.....	29
7.5	Inspecting the Spark Plug	29
7.6	Charging the Batteries.....	30
7.7	Retightening the Tracks.....	30
8	Troubleshooting	31
9	Disposal.....	32

1 Safety Information

1.1 General Safety

Danger

- Read **ALL** these instructions carefully before use.

Store this manual for future reference.

This manual must be included with this mower if it is transferred, sold, or given to a third party.

Failure to follow these instructions could pose risks and void **ALL** warranties stated or implied.

- When operating, inspecting, and maintaining the mower, strictly follow all the precautions and safety information mentioned in this manual.
- **ALWAYS** observe **ALL** applicable local and national laws and regulations when using this mower.
- Use this mower **ONLY** for trimming grass to the desired height, creating a neat and well-maintained appearance for your lawn. It is **NOT** a toy and should **NOT** be used playfully, carelessly, or for any other purposes.

1.2 Workspace Safety

Danger

- Use this mower **ONLY** outdoors. Operating it indoors can be hazardous, as the gasoline-powered engine may produce carbon monoxide and other harmful emissions, posing serious health risks.
- **NEVER** operate or maintain the mower in the presence of explosive or flammable gases, liquids, or dust. Keep fuel containers, aerosol cans, firecrackers, paper piles, open flames, and similar objects away from the workspace.
- **ALWAYS** familiarize yourself with the layout of your lawn or yard. Understand the contours, potential obstacles, and any hidden hazards in your mowing area. Note the locations of trees, rocks, precipices, pools, holes, toys, ropes, supply lines, or any other objects that could obstruct your mowing path, create tripping or stumbling risks, potentially damage the mower, or pose other safety concerns.
- **DO NOT** allow children or pets into the workspace while operating the mower. If necessary, restrict access using appropriate barriers or warning signs.

Warning

- Keep your workspace clean and well-lit. Cluttered or dark areas increase the risk of accidents.
- **DO NOT** drive this mower on slopes exceeding 45 degrees.
- **DO NOT** use this mower in misty or foggy conditions. Poor visibility makes it difficult to detect obstacles, uneven terrain, or other potential hazards in your path, which may lead to accidents.

- **DO NOT** use this mower in snowy conditions. Snow and ice can disrupt the cutter's functionality, damage the blades, create hazardous slippery surfaces, and make it difficult to see obstacles or other potential hazards.
- **DO NOT** use this mower in rainy or other wet conditions. Damp grass can be slippery, increasing the risk of slips and falls, and can clog the blades, resulting in an uneven and messy cut. Mowing wet grass can also lead to ruts and soil damage, potentially causing long-term harm to your lawn. Furthermore, wet conditions can create electrical hazards and pose a risk of electric shock.
- **DO NOT** use this mower on gravel surfaces, as hard, sharp stones can damage the blades, and loose debris propelled by the rotating cutter can be dangerous.

1.3 Personal Safety

Danger

- **DO NOT** let individuals with compromised physical or mental capabilities use this product without training and close supervision.
- **DO NOT** allow children to use this mower. Store the mower and its remote control out of children's reach.
- **DO NOT** use this mower if you are tired or under the influence of drugs, alcohol, or strong medication.
- Maintain a safe distance from this mower while it is running. Exercise caution to avoid being in its path as it moves toward you.
- **NEVER** place any body parts near or on the tracks, wheels, cutting blades, or any other moving parts during use.
- **NEVER** sit or stand on this mower, whether it is in operation or not.
- **DO NOT** touch heated parts with bare skin during or shortly after use, as they can cause burns. These parts include the engine and its filter, electric generator, batteries, exhaust outlet, and cutting blades.
- If any battery is damaged, avoid **ALL** contact with it or any leaking fluid.

If contact occurs with skin, remove contaminated clothing and flush the area with plenty of water.

If contact occurs with eyes, **IMMEDIATELY** flush them with copious amounts of water for at least 15 minutes while seeking medical attention.

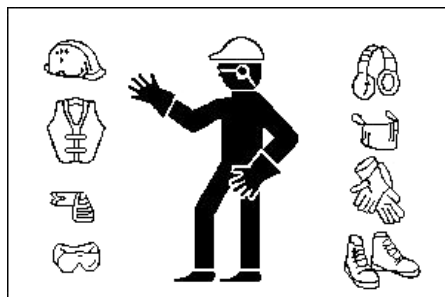
Warning

- **ANY** bystanders should be made aware of the potential dangers and maintain a safe distance from your workspace.
- **ALWAYS** keep children away from **ALL** packaging materials to prevent accidents or injury.
- **ALWAYS** wear appropriate personal protective equipment (PPE), including hearing protection and nonslip footwear.

Additional PPE such as breathing, eye, hand, leg, and skin protection may also be necessary, depending on the weather and lawn conditions.

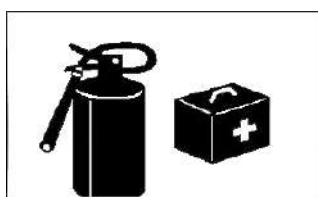
Breathing protection **MUST** be able to filter all particles generated by your work. A dust mask or respirator is highly recommended.

Anyone allowed nearby during use should wear equivalent PPE.



- **ALWAYS** keep a fire extinguisher and a first-aid kit in an easily accessible location.

Familiarize yourself with the protocols for using the first-aid kit and operating the fire extinguisher. Ensure that you provide training to other individuals who will be operating the mower. This ensures that everyone is prepared to handle potential emergencies effectively.



1.4 Electrical Safety

Danger

- **DO NOT** get any electrical components wet or operate them with wet hands.
DO NOT rinse this mower or expose it to rain.

If any electrical components accidentally become wet, turn off the power and wait for them to dry completely before further use.

- **NEVER** disassemble or modify this mower's batteries. **NEVER** expose the batteries to explosives, flammables, radiation, heat sources, or excessive pressure.
- **ONLY** use this mower with the provided charger. **DO NOT** charge its batteries using other equipment. **NEVER** get the charger wet or operate it with wet hands.
- **ONLY** charge this mower in locations with an ambient temperature between 32 °F and 104 °F (0 °C and 40 °C).

For optimal results, charge it at temperatures between 77 °F and 86 °F (25 °C and 30 °C).

- **DO NOT** leave the mower unattended for an extended period during charging. **DO NOT** overcharge the batteries or allow them to drain completely.

1.5 Engine Safety

Danger

- **NEVER** disconnect, disassemble, or modify the engine yourself or allow untrained persons to do so.
- **ONLY** rely on trained technicians for engine servicing.
- **ALWAYS** turn off the engine and throttle before filling the fuel tank or adding/replacing engine oil.
- After the engine stops, wait at least two minutes before removing the fuel filler cap or engine oil filler cap. Residual heat may cause gasoline vapor to ignite, posing fire and explosion hazards.
- **DO NOT** use fuels or engine oils other than those specified in **§2 Specifications** on **Page 10**.
- **DO NOT** overfill the fuel tank to avoid fuel leakage, vapor emissions, and reduced engine performance.
- **DO NOT** overfill or underfill the engine oil tank; both can result in abnormal pressure and engine overheating.
- **NEVER** run the engine without oil or a filter.
- Avoid spilling fuel or oil to prevent risks of fire, explosion, and contamination.

1.6 Mowing Safety

Danger

- **ALWAYS** ensure that **ALL** components and fasteners **ARE** intact and securely tightened before and after each use.
- Stop using the mower **IMMEDIATELY** if you detect **ANY** misalignment or binding of parts, breakage of components, or any other condition that may affect this mower's safe operation. **DO NOT** resume use until the issue is addressed.
- **DO NOT** leave this mower unattended during use.

Warning

- Stay focused but alert while mowing. Avoid distractions and maintain awareness of potential obstacles and people in the vicinity.
- Be mindful of terrains and any slopes or uneven areas. Adjust your mowing technique accordingly to maintain stability and prevent slips or loss of control.
- **DO NOT** force this mower. If the blades strike any firm obstacle during use and begin to vibrate or get stuck in any way, stop the mower **IMMEDIATELY** and reverse it from the obstacle carefully.
- **DO NOT** allow **ANY** foreign objects to enter **ALL** exposed ports or vents on this mower.
- **DO NOT** place other objects on this mower during use.

1.7 Maintenance Safety

Danger

- **ALWAYS** shut off the electric power, engine, and throttle and turn the control switch to Stop before performing cleaning, refilling, inspection, replacement, repair, or other maintenance.
- **NEVER** replace **ANY** components with nonidentical ones.
- **DO NOT** unlock the remote control's function buttons for **ANY** random adjustment. If such adjustments accidentally happen, resume the original settings and relock the buttons as soon as possible.

Warning

- Dress properly. **DO NOT** wear loose clothing or jewelry when performing maintenance or repair. Keep your hair, clothing, and gloves away from any moving parts when testing or adjusting them. To handle sharp or heated parts, wear proper hand protection.
- **DO NOT** clean this mower with harsh abrasives or caustic chemicals.
- Maintain **ALL** labels on this mower. If any of them comes loose or becomes illegible, re-affix it or ask customer service for a replacement before further use.

2 Specifications

		AM80	AM120
Model			
Overall Dimensions		60.2 × 38.6 × 34.5 in (1530 × 980 × 875 mm)	60.2 × 54.3 × 34.5 in (1530 × 1380 × 875 mm)
Net Weight		745.2 lb (338 kg)	784.8 lb (356 kg)
Mowing Height Range		0.79–7.87 in (20–200 mm)	
Max. Mowing Speed		3.1 mph (5 km/h)	
Mowing Width		31.5 in (800 mm)	47.2 in (1200 mm)
Max. Mowing Area (with Full Fuel)		5 acres (20234 m ²)	7.5 acres (30351 m ²)
Max. Operating Time (with Full Fuel)		5 h	
Max. Slope		45°	
Max. Traveling Speed	Level 1	1.55 mph (2.5 km/h)	
	Level 2	3.1 mph (5 km/h)	
Fuel	Compatible Types	≥ 92 Octane Gasoline, E0 or E10	
	Tank Volume	6.87 qt (6.5 L)	
Engine	Model	192F	
	Displacement	28 cu in (459 cc)	
	Rated Power	13.5 HP at 2600 rpm (10 kW at 2600 rpm)	
	Max. Torque	22.5 lbf•ft at 2600 rpm (30.5 N•m at 2600 rpm)	
	Recommended Oil Type	SAE 10W-30	
	Oil Tank Volume	1.16 qt (1.1 L)	
Tracks	Material	Rubber	
	Width	5.9 in (150 mm)	7.1 in (180 mm)
	Length	38.2 in (970 mm)	
	Ground Contact Length	31.5 in (800 mm)	

Blades	Material	Carbon Steel	
	Thickness	0.24 in (6 mm)	
	No.	16 Sets (32 Blades)	24 Sets (48 Blades)
Electric Generator Power		2 kW	
Batteries	Type	Lead-Acid	
	No.	2	
	Voltage (ea.)	12 V	
	Capacity (ea.)	20 AH	
	Charging Temp. Range	32–104 °F (0–40 °C)	
Charger Input Power		110–240 V AC, 50/60 Hz	
Remote Control	Battery Type	AA (×4)	
	Max. Operating Distance	1094 yd (1000 m)	

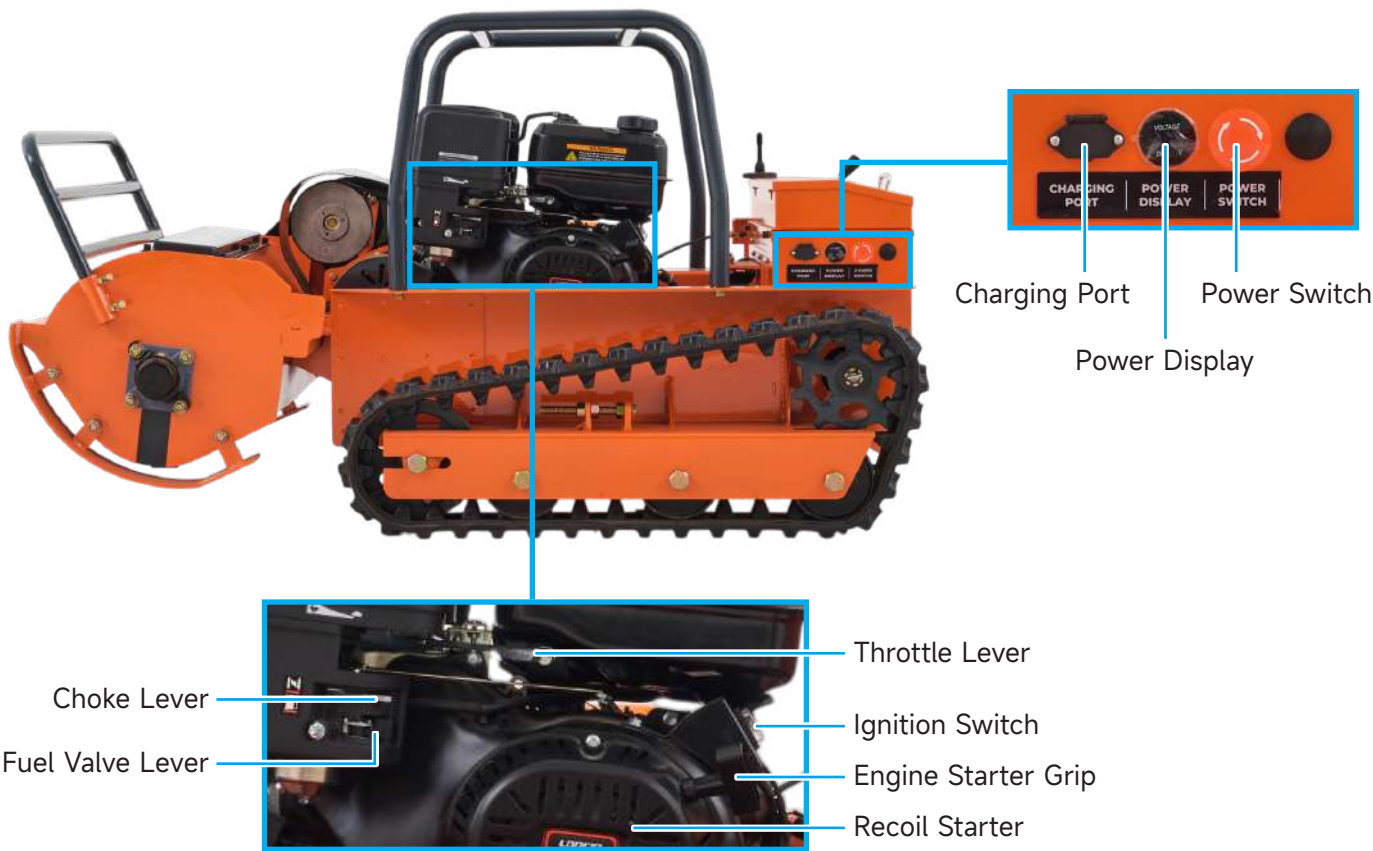
3 Product Diagram

3.1 Overview

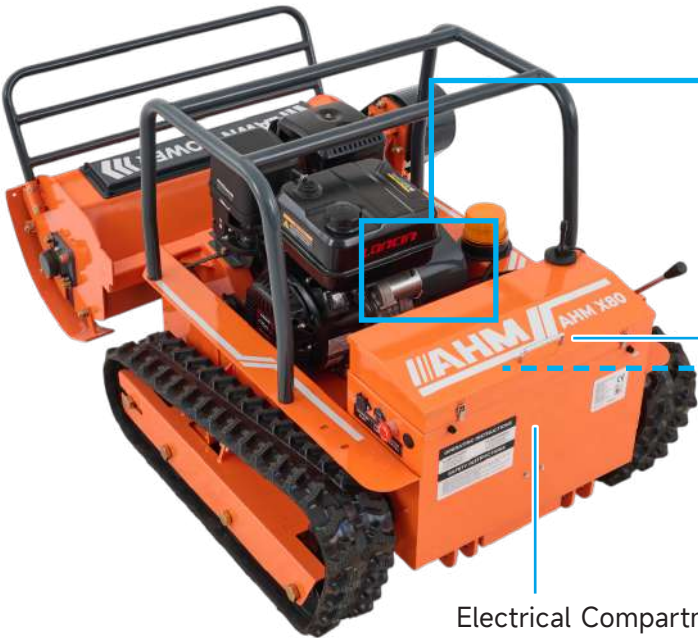
Front and Right



Left

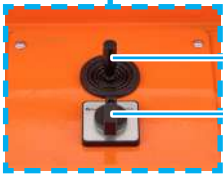


Rear



Oil Filler Cap/Dipstick

Rear Access Cover

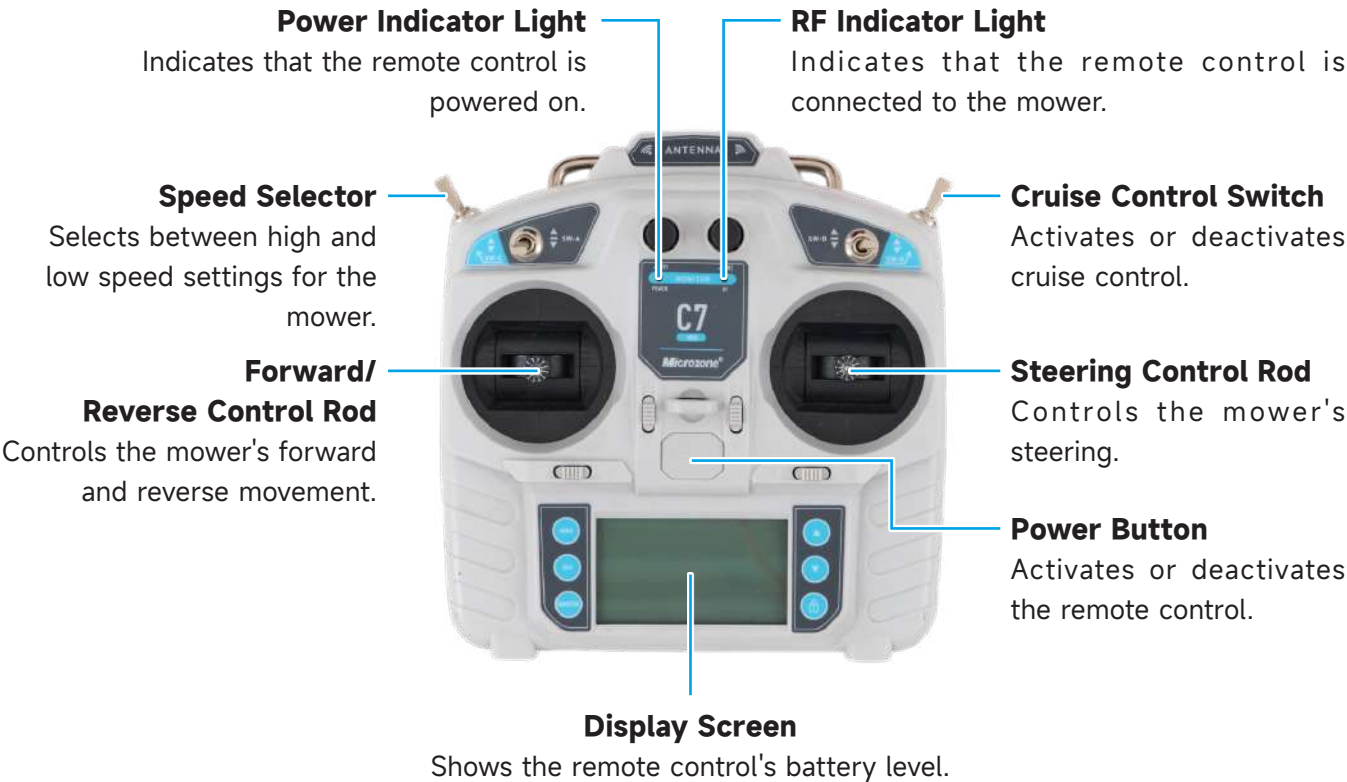


Direction Control Joystick

Control Mode Switch

Electrical Compartment

3.2 Remote Control



Power Indicator Light

Indicates that the remote control is powered on.

RF Indicator Light

Indicates that the remote control is connected to the mower.

Speed Selector

Selects between high and low speed settings for the mower.

Forward/

Reverse Control Rod

Controls the mower's forward and reverse movement.

Cruise Control Switch

Activates or deactivates cruise control.

Steering Control Rod

Controls the mower's steering.

Power Button

Activates or deactivates the remote control.

Display Screen

Shows the remote control's battery level.

Note

The factory has disabled or pre-locked all other buttons or levers on the remote control not mentioned above. **DO NOT** use **ANY** of them to make random adjustments.

4 Package List

In addition to the lawn mower’s main unit, the package also includes the following items:

A Engine Protective Rack  × 1	B Remote Control  × 1	C Charger  × 1
D Jack Ratchet Wrench  × 1	E Socket Wrench  × 1	F Socket Wrench Handle  × 1
G Hex Wrench  × 1		

Not Included but Necessary:

- Adjustable Wrench
- ≥92 Octane Gasoline, E0 or E10
- SAE 5W-30 Engine Oil
- Funnel

5 Preparation

5.1 Unpacking

1. Unpack your new mower, fully disassembling the packaging crate's top and walls.

Note

Perform this near your lawn for future convenience.

2. Open the mower's rear access cover and take out all accessories specified in **§4 Package List** on **Page 14**.
3. Inspect the mower and the accessories to ensure they are **ALL** intact and in good condition.

If necessary, contact customer service for supplements or replacements.

Warning

DO NOT allow children or pets to play with any packaging without close and constant supervision.

4. Power on the mower and remote control, drive the mower away from the crate's bottom, and turn off the power.

For details, see **§6.1 Powering on the Mower** and **§6.2 Driving the Mower to Your Lawn** on **Pages 19–20**.

5.2 Installing the Engine Protective Rack

1. Remove the four sets of bolts and spacers from the engine protective rack (A) using an adjustable wrench (not included).
2. Attach the rack to the mower, then reattach and tighten the spacers and bolts to secure the rack.



Engine Protective Rack

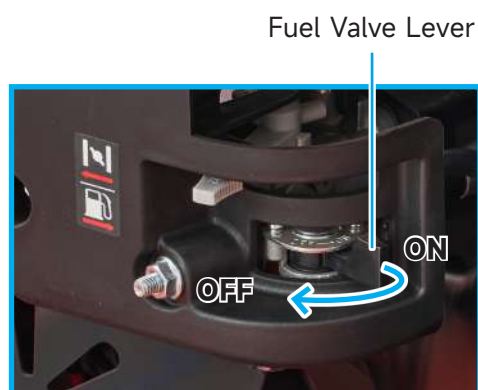
5.3 Filling the Fuel Tank

**Danger**

Ensure that **ALL** of the following conditions **ARE** fulfilled **BEFORE** filling the fuel tank.

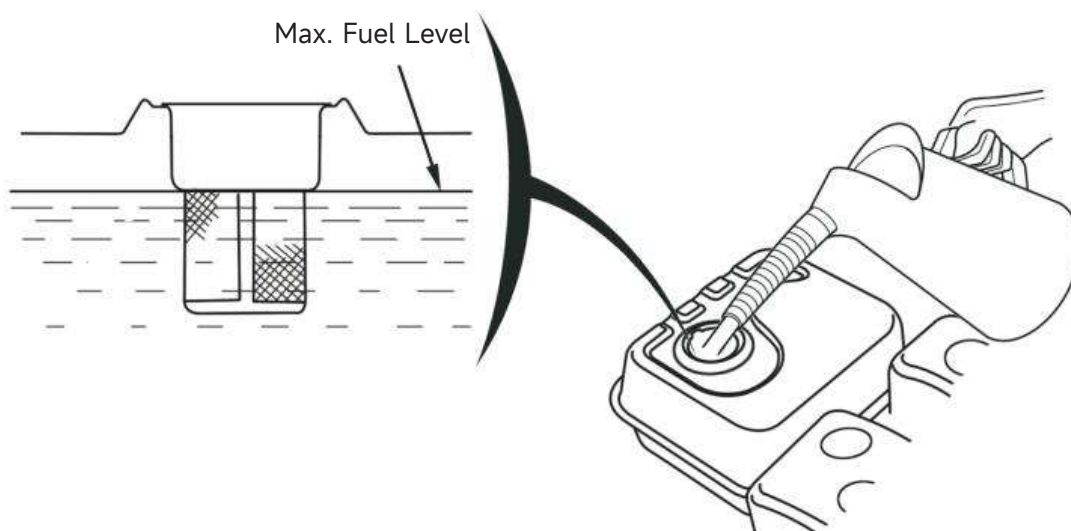
- The area is well-lit and ventilated.
- **NO** open flames or sparks are nearby.
- The fuel valve lever is in the **OFF** position.
- The mower is parked on a level surface.
- The engine is shut off and has cooled down to room temperature.
- Your fuel is correct (≥ 92 Octane Gasoline, E0 or E10).

1. Unscrew the fuel filler cap.



2. Carefully pour your fuel into the fuel tank. **DO NOT** overfill.

For best results, use a clean funnel (not included) or a similar tool to prevent fuel from spilling around.



3. Reattach and fully tighten the cap.
4. Clean up any spilled oil.

5.4 Checking the Engine Oil Level

Danger

Ensure that **ALL** of the following conditions **ARE** fulfilled **BEFORE** checking the engine oil level.

- The area is well-lit and ventilated.
- **NO** open flames or sparks are nearby.
- The mower is parked on a level surface.
- The engine is shut off and has cooled down to room temperature.

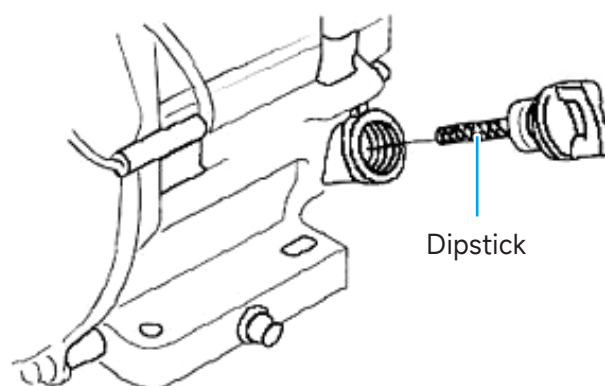
Warning

DO NOT run the engine without oil or with insufficient or excessive oil.

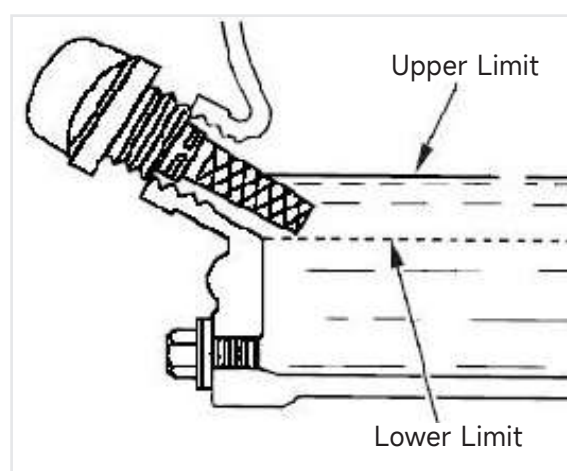
1. Remove the oil filler cap from the engine.
2. Wipe clean the dipstick on the cap.



Oil Filler Cap



3. Insert and remove the dipstick without screwing it into the filler neck.
4. Check the oil level shown on the dipstick, ensuring it is between the maximum and minimum marks.



5. If the oil level is below the minimum mark, fill the engine oil tank to the edge of the oil filler hole with SAE 10W-30 oil.
6. Reinsert the dipstick and fully tighten the oil filler cap.
7. Clean up any spilled oil.

5.5 Preparing Your Lawn

- If your lawn is wet, allow time for the grass to dry before proceeding.
- Use barriers or warning signs to restrict access for bystanders, children, and animals.
- Remove obstacles from the lawn, such as branches, stones, snow, ice, toys, and potted plants.
- Mark or enclose the locations of water sources, precipices, and hidden objects such as hoses, pipes, and electrical wires.

5.6 Putting on PPE

- **Eyes:** Use safety glasses or goggles to protect your eyes from flying debris.
- **Hearing:** Wear earplugs or earmuffs to guard against the noise generated by the mower.
- **Breathing:** Consider dust masks or respirators to prevent inhaling airborne particles.
- **Legs:** Wear long pants to shield your legs from sharp flying debris.
- **Feet:** Choose sturdy, closed-toe shoes or boots with slip-resistant soles to protect your feet while ensuring good traction.
- **Sun Protection:** Choose wide-brimmed hats and apply sunscreen to protect against sunburn if you plan to mow in the sun.

6 Operation

6.1 Powering on the Mower

1. Rotate the power switch clockwise to turn on the mower.

The power display lights up, displaying the current voltage of the batteries.



2. If the voltage is below 24 V, charge the batteries using the provided charger (C) before further use.

For details, see **§7.6 Charging the Batteries** on **Page 30**.

6.2 Initiating the Engine

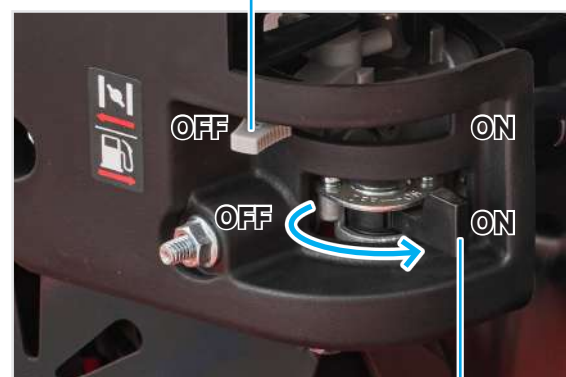
1. Ensure the blade control lever is in the **STOP** position.

Blade Control Lever



2. Turn the fuel valve lever to the **ON** position.
3. Ensure the choke lever is in the "OFF" position.

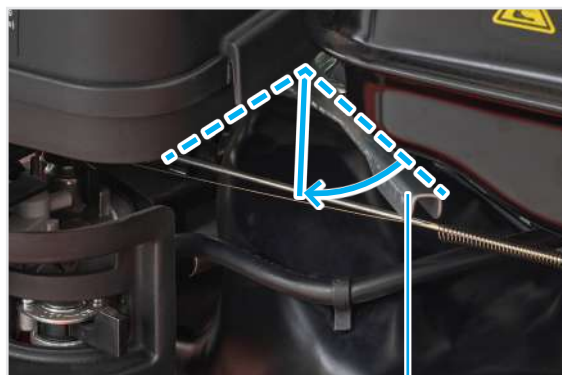
Choke Lever



Fuel Valve Lever

Operation

4. Move the throttle lever to the middle position.



Throttle Lever

5. Start the engine using either the ignition switch or the starter grip.

- **Using the ignition switch:** Flip the ignition switch to **II** and hold it until the engine starts.
- **Using the starter grip:** Pull the starter grip briskly and let it return to its original position. Repeat this several times until the engine starts.



Ignition Switch

Starter Grip

6. If you are operating at a high altitude or the specific conditions make it hard for the engine to start, turn the choke lever to the “ON” position.

After the engine starts, remember to return the lever to the “OFF” position.



6.3 Driving the Mower to Your Lawn

You can control the mower's movement in two ways: using the remote control or the direction control joystick. Generally, the remote control is more convenient; however, if it runs out of power and you have no spare batteries nearby, the direction control joystick allows you to continue controlling the mower.

For details on the two control methods, see the corresponding sections below.

6.3.1 Using the Remote Control

1. Open the mower's rear access cover and turn the control mode switch to **Control**.



Control

2. Hold the power button on the remote control (B) to activate it.

The power and RF indicator lights come on and the display screen lights up.



3. Select a traveling speed using the speed selector on the remote control's upper left corner.

- Push it down for low speed.
- Pull it up for high speed.

Speed Selector



4. Control the mower's movement using the two control rods.

- To move it forward, push the left control rod forward.
- To move it backward, pull the left control rod backward.
- To turn it left, pull the right control rod to the left.
- To turn it right, pull the right control rod to the right.
- To stop the movement, release both control rods.



5. (Optional) Activate cruise control to drive the mower at a constant speed without holding the left control rod.

- a. Hold the left control rod forward or backward while pulling up the cruise control switch on the remote control's upper right corner.
- b. When the RF indicator light flashes, release the left control rod to activate cruise control for automatic forward or reverse motion.
- c. Use the right control rod to turn left or right as needed.
- d. To deactivate cruise control, pull the cruise control switch again.

The mower stops and the RF indicator light ceases flashing.



Caution

The remote's function buttons were pre-locked at the factory. **DO NOT** attempt to unlock them and make ANY adjustments.

ALL factory settings **ARE** already optimized for seamless compatibility between your remote and mower. Making random adjustments may lead to inaccurate responses from your remote control.

6.3.2 Using the Direction Control Joystick

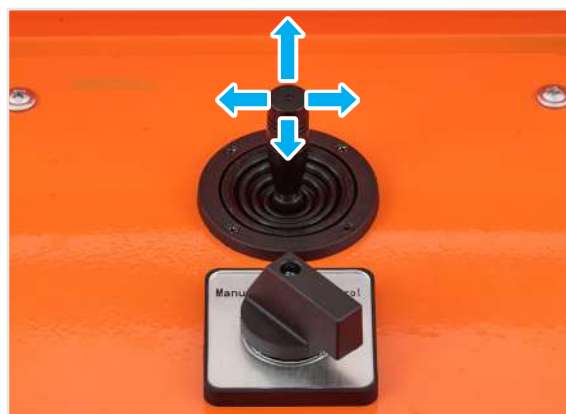
1. Open the mower's rear access cover and turn the control mode switch to **Manual**.



Manual

2. Control the mower's movement using the direction control joystick.

- To move it forward, push the joystick forward.
- To move it backward, pull the joystick backward.
- To turn it left, pull the joystick to the left.
- To turn it right, pull the joystick to the right.
- To stop the movement, release the joystick.



6.4 Mowing

1. Adjust the cutting height as needed.

Warning

ALWAYS ensure the cutting blades are deactivated before making any adjustments.

- a. Locate the height adjustment bolt, then release the locking clip on it.



Locking Clip

Height Adjustment Bolt

Operation

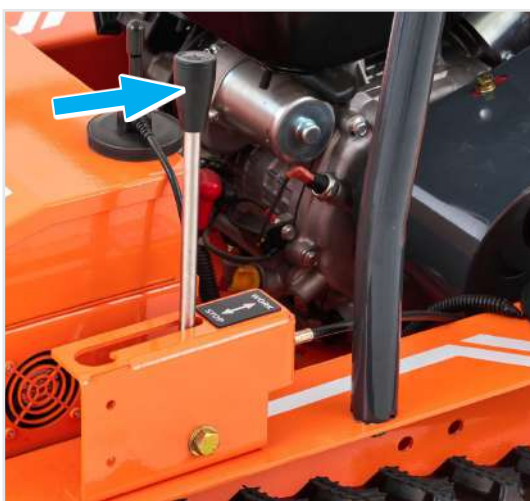
- b. Turn the bolt using the jack ratchet wrench (D) to adjust the mower deck's height.
 - Turn it clockwise to raise the mower deck.
 - Turn it counterclockwise to lower the mower deck.



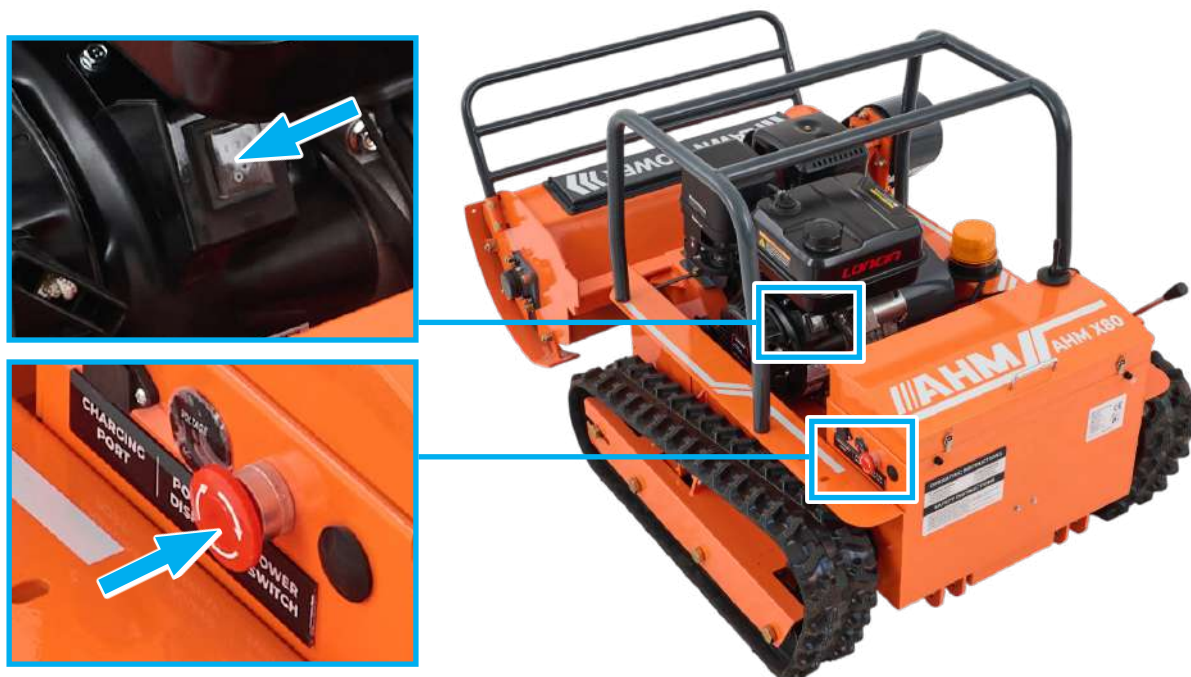
- c. After adjustments, reattach the locking clip to the bolt.
2. Activate the cutting blades by **SLOWLY** pushing the blade control lever forward to the **WORK** position and holding it until the blades have fully accelerated to their operating speed.

Note

The lever operates similarly to a car's clutch—it requires gradual engagement to prevent shocking the engine. Avoid pushing the lever forward or releasing it too quickly; otherwise, the engine may stall.



3. Use the remote control to drive the mower as described above, allowing its cutting blades to mow each desired area of your lawn.
4. If any accidents occur, turn off the mower immediately by flipping the ignition switch to **O** and pressing down the power switch.



6.5 After Mowing

1. Use the remote control to move the mower to a clean, dry location away from direct sunlight and rain.
2. Pull the blade control lever backward to the **STOP** position.



3. Shut off the engine by flipping the ignition switch to **O**.



Operation

4. Move the throttle lever to the rightmost position.



5. Turn the fuel valve lever to the "OFF" position.



6. Open the rear access cover and turn the control mode switch to **Stop**.



7. Turn off the mower's power by pressing down the power switch.



8. Deactivate the remote control by holding its power button.



7 Maintenance

Danger

Ensure that **ALL** of the following conditions **ARE** fulfilled before performing any maintenance or repair.

- The mower is parked on a level surface.
- The engine, throttle, and electric power are **COMPLETELY** shut off.
- **ALL** heated parts, especially the engine and cutting blades, have cooled before touching.
- The maintenance area is clean, ventilated, well-lit, and free from sources of ignition.
- **ALL** proper PPE necessary for your work is put on.

7.1 General Instructions

- Clean the external surface of this mower after each use.

Wipe off grass clippings and other debris using a soft cloth or brush or blow them away using OSHA-compliant levels of compressed air. For stubborn stains or dirt, apply mild detergent as needed. Avoid using harsh abrasives or caustic chemicals.

- Periodically check the mower for looseness, wear, damage, and any signs of malfunction. Retighten, repair, or replace any faulty components before further use.

For the engine and electrical parts, seek professional assistance from trained technicians as needed.

- If the mower is not to be used for an extended period, store it in a cool, dry location out of children's reach and away from direct sunlight and rain.

7.2 Replacing the Engine Oil

As you continue to use the engine, the oil will darken or become turbid, leading to reduced lubrication, overheating, sludge buildup, decreased fuel efficiency, and increased emissions.

To maintain optimal engine performance, replace the engine oil after the first 20 hours of operation, again after the next 50 hours, and then every 100 hours thereafter.

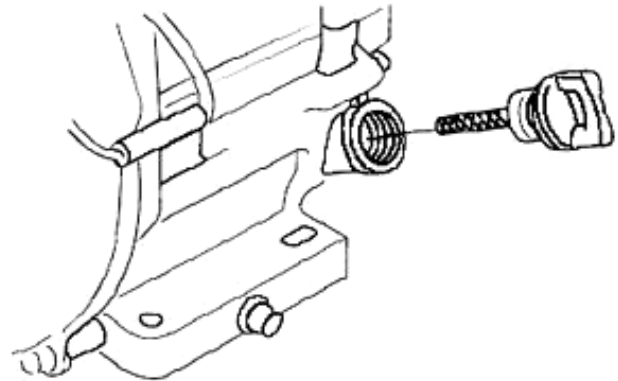
1. Place a suitable container below the engine to catch the used oil.
2. Remove the drain plug.



3. Allow the used oil to drain completely, then reinstall and fully tighten the drain plug.
4. Remove the oil filler cap from the engine.



Oil Filler Cap



5. Fill the engine oil tank to the edge of the oil filler hole with SAE 10W-30 oil.
6. Reinsert the dipstick and fully tighten the oil filler cap.
7. Clean up any spilled oil.

7.3 Inspecting the Air Filter

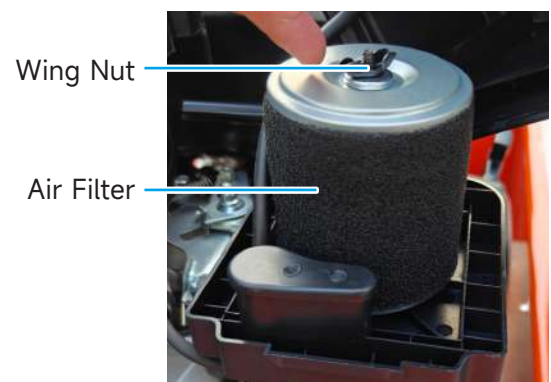
A dirty air filter restricts airflow to the carburetor, reducing engine performance.

Inspect the air filter after each use. Clean it if it's dirty or after every 50 hours of operation, and replace it if it's damaged or after 300 hours of operation.

1. Remove the air filter cover.



2. Inspect the air filter and clean any dirt using a clean brush.
3. Replace the air filter if necessary.
 - a. Unscrew the wing nut.
 - b. Replace the filter with an identical one.
 - c. Reattach and tighten the wing nut.
4. Reattach the air filter cover.



7.4 Replacing the Cutting Blades

Replace any worn or damaged blades before further use.

1. Loosen and remove the bolts and nuts on the blades using an adjustable wrench.
2. Replace them with identical ones.
3. Reattach and tighten the bolts and nuts.

Note

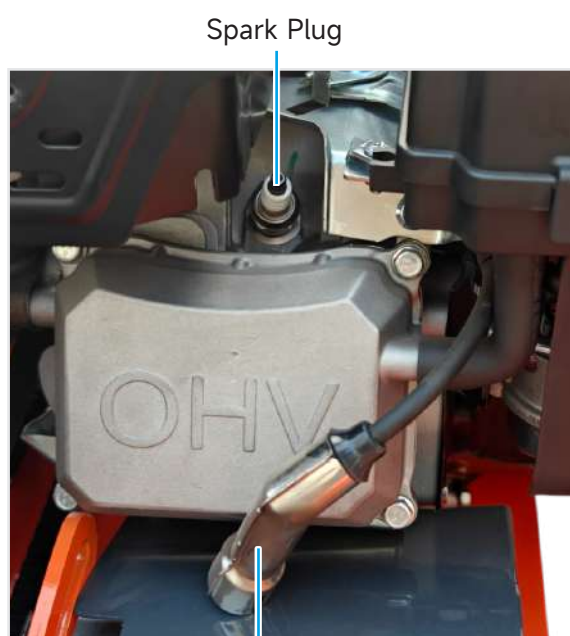
For the blades' model, contact customer service.



7.5 Inspecting the Spark Plug

Inspect the spark plug after every 100 hours of operation.

1. Disconnect the spark plug cap, then remove any dirt around the spark plug area.
2. Remove the spark plug using the socket wrench (E & F).
3. Inspect the spark plug.
Replace it with an identical one if the electrodes are worn, or if the insulator is cracked or chipped.
4. Reinstall the spark plug carefully by hand to avoid cross-threading.
5. Properly seat the spark plug, then tighten it securely with the socket wrench.
 - If reinstalling the used spark plug, tighten 1/8–1/4 turn after it seats.
 - If reinstalling a new spark plug, tighten 1/2 turn after it seats.
6. Reattach the spark plug cap.



Spark Plug Cap

7.6 Charging the Batteries

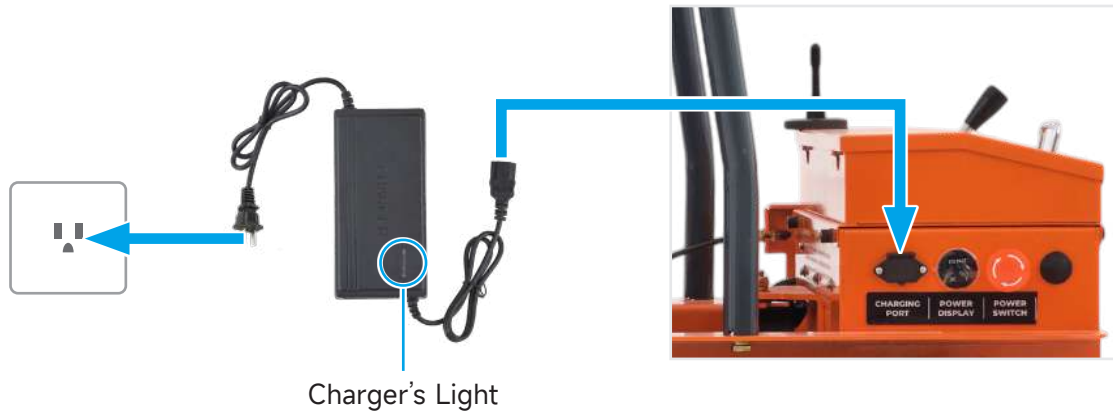
If the mower has not been used for an extended period or the voltage display shows less than 24 V, charge the batteries before further use.

1. Flip up the mower's charging port cover and connect the provided charger to the port.
2. Connect the charger to a stable and compatible power source.

The charger's light turns red and charging begins.

3. When the light turns green, the batteries are fully charged.

Disconnect the charger from the mower and the power source.

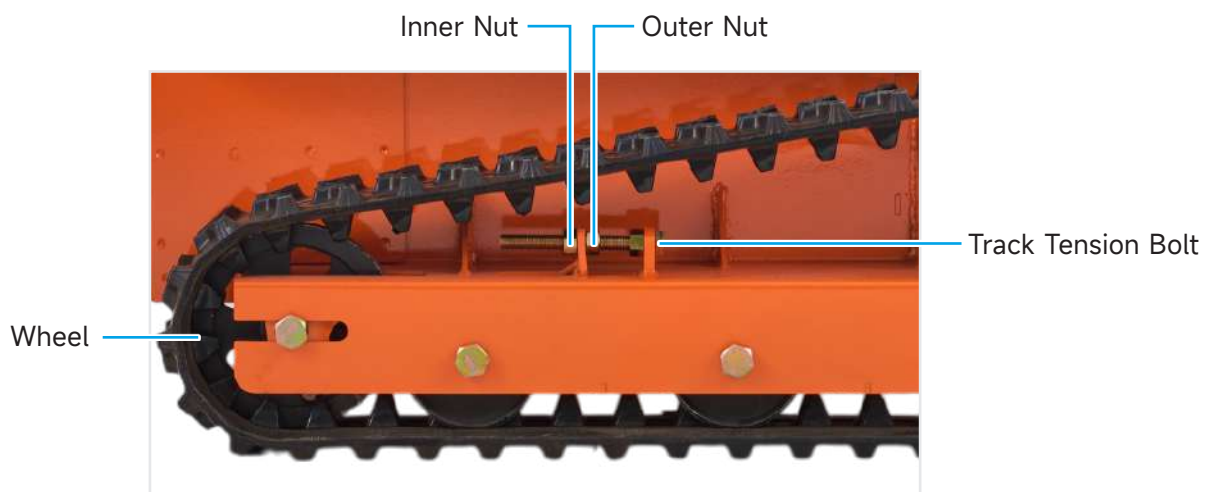


7.7 Retightening the Tracks

After extended use, the mower's tracks may become loose.

To retighten a loose track:

1. Reposition the loose track until it is well aligned with its wheels.
2. Loosen the inner nut on the track tension bolt using an adjustable wrench.
3. Tighten the outer nut on the bolt, which pushes the bolt and wheel outwards to tighten the track.
4. Test the track tension to ensure it is tightened.
5. When finished, retighten the inner nut to secure the track.

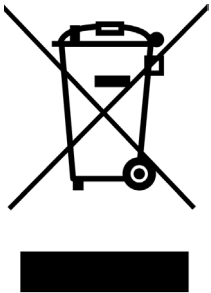


8 Troubleshooting

Problems	Solutions
The engine does not start.	Ensure that the fuel type is correct.
	Ensure that the fuel tank has sufficient gasoline.
	Ensure that the engine filter is clean and unclogged.
	Ensure that the throttle lever is in the middle position.
	When using the ignition switch, ensure it is flipped to II and held in place.
	When using the starter grip, ensure it is pulled quickly and forcefully. Try this multiple times as needed.
The engine starts but immediately stops.	Have the engine inspected, repaired, or replaced with a new identical one. Seek professional assistance as needed.
	Ensure that the engine oil level is NOT below the minimum mark.
	Turn the choke lever to its “ON” position and try again.
The engine emits smoke or excessive exhaust.	Have the engine inspected, repaired, or replaced with a new identical one. Seek professional assistance as needed.
	Ensure that the engine oil level is NOT above the maximum mark.
The mower vibrates excessively.	Stop use IMMEDIATELY . Have a trained technician inspect for any leaks and address the issue.
	Ensure that the tracks and wheels are properly aligned and securely attached.
	Ensure that the cutting blades are not bent or damaged.
The mower leaves unkempt grass.	Retighten the bolts and nuts that secure the cutting blades.
	Readjust the cutting height.
The remote control cannot control the mower.	Ensure that the cutting blades are sharp and balanced.
	Ensure that BOTH the remote and mower ARE powered on.
The remote control cannot control the mower.	Use the remote control in a location closer to the mower.

9 Disposal

Electrical products should not be disposed of with household products. In the EU and UK, according to the European Directive 2012/19/ EU for the disposal of electrical and electronic equipment and its implementation in national laws, used electrical products must be collected separately and disposed of at the collection points provided for this purpose. Locations in Australia, Canada, and the United States may have similar regulations. Contact your local authorities or dealer for disposal and recycling advice.



Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us and we'll address your issues ASAP!

 support@ahmcorp.com

 (949) 694-4991, Monday – Friday from 9:00 am – 5:00 pm (PT)

