

OPERATOR'S MANUAL

INFINICUT 2020 TURF MOWER

Record Product Information

Before setting up and operating your new equipment, please locate the model plate on the equipment and record the information in the provided area to the right. This information will be necessary, should you seek technical support via our web site or with your local authorized service dealer.

MODEL NUMBER

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SERIAL NUMBER

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⚠ WARNING

Read and follow all safety rules and instructions in this manual before attempting to operate this machine.
Failure to comply with these instructions may result in personal injury.

⚠ WARNING

California Proposition 65

Engine Exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.

NOTE: This Operator's Manual covers several models. Features may vary by model. Not all features in this manual are applicable to all models and the model depicted may differ from yours.



SAFE OPERATION PRACTICES

⚠ WARNING

 This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this mower. Failure to comply with these instructions may result in personal injury. When you see this symbol. **HEED ITS WARNING!**

⚠ DANGER

This mower was built to be operated according to the safe operation practices in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This mower is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

Training

1. Read the Operator's Manual and other training material. If the operator(s) or mechanic(s) cannot read English it is the owner's responsibility to explain this material to them.
2. Become familiar with the safe operation of the mower, operator controls and safety signs.
3. All operators and mechanics should be trained to operate or service the equipment. The owner is responsible for training them.
4. Never let children under the age of 16 or untrained people operate or service the equipment. Local regulations may further restrict the age of the operator.
5. The owner/operator can prevent, and is responsible for, accidents or injuries occurring to them, other people or property.

General Information

1. Read, understand and follow all instructions on the mower and in the manual(s) before attempting to assemble and operate. Keep this manual in a safe place for future and regular reference by each operator and for ordering replacement parts.
2. Be familiar with all controls and their proper operation. Know how to stop the mower and disengage the controls quickly.
3. Do not allow anyone to operate or maintain this mower who has not read the manual. Never permit children under the age of 16 to operate this mower.
4. Do not remove any shield, guards, labels or safety devices. If a shield, guard, label or safety device is damaged or does not function, repair or replace it before operating the mower.
5. Familiarize yourself with the location of the emergency drive stop.
6. If situations occur which are not covered in this manual, use care and good judgment. Contact your customer service representative for assistance.

Preparation Before Operating

1. Thoroughly inspect the area where the mower is to be used. Remove all stones, sticks, wire, bones, toys and other foreign objects that could be picked up and thrown by the cutting reel. Thrown objects can cause serious personal injury.
2. To help avoid cutting reel contact or a thrown object injury, keep bystanders, helpers, children and pets at least 75 feet from the mower while it is in operation. Stop mower if anyone enters the area.
3. Be aware of the mower and attachment discharge direction and do not point the mower discharge at anyone.
4. Always wear appropriate clothing and personal protective equipment (e.g. safety glasses, long pants, gloves, hearing protection, safety shoes, hard hat) when operating or maintaining this mower. Long hair, loose fitting clothing or jewelry may get entangled in moving parts. Follow all federal, state and local guidelines regarding the use of personal protective equipment.
5. Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Only use accessories and attachments approved by the mower manufacturer.

Operating

1. Data indicates that operators, age 65 years and above, are involved in a large percentage of mower-related injuries. Operators should evaluate their ability to operate the mower safely enough to protect themselves and others from serious injury.
2. Many injuries occur as a result of the mower being pulled over the foot during a fall caused by slipping or tripping. Do not hold on to the mower if you are losing your balance or footing; immediately release the handle.

3. The bale handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the cutting reel. The bale handle must operate freely in both directions and automatically return to the disengaged (off) position when released. The cutting reel continues to rotate for up to three (3) seconds after the cutting reel control is released. Never place any part of the body in the cutting reel area until you are certain the reel has stopped rotating.
4. If the mower should start to vibrate abnormally, stop the mower and check immediately for the cause. Vibration is generally a warning of trouble.
5. Never operate mower without the proper grass catcher (if applicable), blade control or other safety protective devices in place and working. Never operate mower with damaged safety devices. Failure to do so can result in personal injury.
6. Do not put hands or feet near rotating parts or near the cutting reel. Contact with the cutting reel(s) can amputate hands and feet.
7. Watch for holes, ruts, bumps, rocks or other hidden objects. Uneven terrain or hidden objects could cause a slip and/or trip accident. Tall grass can hide obstacles.
8. Your mower is designed to cut normal grass of a height no more than 2" (50 mm). Do not attempt to mow through unusually tall or dry grass (e.g. pasture).
9. Shut the mower off and wait until the cutting reel comes to a complete stop before removing the grass catcher (if applicable). The cutting reel continues to rotate for up to three (3) seconds after the bale handle is released. Never place any part of the body in the cutting reel area until you are certain the mower is off and the cutting reel has stopped rotating.
10. Do not operate mower without guards, shields, covers or entire grass catcher (if applicable) in its proper place.
11. Stop the cutting reel(s) when crossing gravel drives, walks or roads and while not cutting grass.
12. Mow only in daylight or good artificial light.
13. Do not operate the mower while under the influence of alcohol or drugs.
14. Back up slowly. Always look down and behind before and while backing.
15. Slow down before turning. Operate the mower smoothly. Avoid erratic operation and excessive speed. Be aware of your direction of travel to avoid accidents.
16. Disengage cutting reel, set parking brake and wait until reel comes to a complete stop before removing grass catcher (if applicable), emptying grass, removing any grass or debris or making any adjustments.
17. Never leave a running mower unattended. Always stop on level ground, turn off cutting reel, place drive speed control levers in neutral, set parking brake and remove key before leaving the operator position.
18. Use extra care when loading or unloading the mower on a trailer or truck. The mower should not be driven on unstable, unsecured or inadequate ramps because the mower could tip over causing serious personal injury.
19. Check overhead clearances carefully before mowing under low hanging tree branches, wires, door openings, etc., where the operator may be struck which could result in serious injury.
20. Motors may become very hot and can cause serious burn injuries. Do not touch.
21. Disengage reel, set parking brake and make sure speed control lever is in the neutral position before attempting to start the mower. Only start the mower from the operator's position.
22. Never attempt to operate the mower without the cutting reel attached; mower could tip over.

SAFE OPERATION PRACTICES

23. Use only accessories and attachments approved for this mower by the mower manufacturer. Read, understand and follow all instructions provided with the approved accessory or attachment.
24. Do not operate mowers that have been damaged or have not been properly maintained. If the mower has been damaged, have it repaired.

Slope Operation

Slopes are a major factor related to slip and fall accidents that can result in severe injury or death. All slopes require extra caution. If you feel uneasy on the slope, do not mow it.

For your safety, use the slope gauge device included as part of this manual to measure slopes before operating this mower on a sloped or hilly area. If the slope is greater than 3 degrees (5%) as shown on the slope gauge, do not operate this mower on that area or serious injury could result.

Do:

1. Mow across slopes, not up and down. Exercise extreme caution when changing direction on slopes.
2. Watch for holes, ruts, bumps, rocks or other hidden objects. Uneven terrain could overturn the mower. Tall grass can hide obstacles.
3. Use slow speed. Choose a low enough speed so you will not have to stop while on the slope. Avoid starting or stopping on a slope. If the drive roller is unable to maintain traction, disengage the cutting reel and proceed slowly and carefully straight down the slope.
4. Keep all movements on slopes slow and gradual. Do not make sudden changes in speed or direction. Rapid acceleration could cause loss of control, which could cause serious injury or death.
5. Use extra care with grass catchers or other attachments. These can change the stability of the mower.
6. The mower may speed up when turning downhill, always turn uphill. Maintain control of the mower at all times.
7. Stay at least 3 feet (1 meter) from drop-offs, ditches, embankments or the edge of water. You could lose your balance or footing.

Do Not:

1. Do not turn on slopes unless necessary; then turn slowly uphill and use extra care while turning.
2. Do not mow near drop-offs, ditches or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff, ditch or if an edge caves in.
3. Do not operate on slopes or near the edge of water such as a lake, pond, river or stream where the mower could slip, tip or roll-over into the water.
4. Do not use on slopes steeper than 3 degrees (5%).
5. Do not mow on wet grass. Reduced traction could cause sliding and/or loss of control.

Children

1. Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the mower and the mowing activity. They do not understand the dangers. Never assume that children will remain where you last saw them.
 - a. Keep children out of the mowing area and in watchful care of a responsible adult other than the operator.
 - b. Be alert and turn mower off if a child enters the area.
 - c. Always look behind and down for small children. Use slow speed.
 - d. Use extreme care when approaching blind corners, doorways, shrubs, trees or other objects that may block your vision of a child who may run into the path of the mower.
 - e. Remove key when mower is unattended to prevent unauthorized operation.
2. Never allow children under 16 years of age to operate this mower. Children 16 and over should read and understand the instructions and safe operation practices in this manual and on the mower and should be trained and supervised by an adult.

Transporting Mowers

1. Use extra care when loading or unloading mowers onto trailers or trucks.
2. If ramps are used, they must be full width, stable, have an adequate capacity rating and be secured to the trailer or truck. Ramp angle should not exceed 15 degrees and trailer or truck should be parked on level terrain.
3. Mowers must be secured onto trailers and trucks with straps, chains, cables, ropes or other means deemed adequate for that purpose. The front and rear of the mowers must be secured to the trailer or truck in both the lateral and vertical directions.
4. Inspect the mower on a regular basis for damage and improper operation. Replace all components that are damaged or are not functioning properly with authorized replacement parts.

Service

1. Keep mower in good working order. Replace worn or damaged parts.
2. It is recommended to use suitable lifting equipment to lift onto maintenance benches. If a manual lift is necessary, this must be a two (2) man lift, taking care to adopt a straight back posture.
3. Use caution when using steel benches or other smooth surfaces, mower may slide. Use wheel chocks or a non-slip mat.
4. To avoid serious injury or death, do not modify mower in any way.
5. Mower's cutting reel is sharp. Wrap the blade or wear gloves, and use extra caution when cleaning and servicing cutting reel.
6. Drive rollers could cause trap points, use gloves and use caution when cleaning.
7. Before cleaning, repairing or inspecting, make certain the reel(s) and all moving parts have stopped. Turn off the mower, remove key and disconnect battery module to prevent unintended starting.
8. Remove any buildup of grass and leaves on or around the cutting reel and underside of mower. Always remove the battery module before washing the mower. Never direct a hose or power washer at the battery module, generator, any electrical connector or components.
9. Ensure the cutting reel comes to a complete stop within three (3) seconds after disengaging the reel engage switch. If the reel does not stop completely in less than three seconds, your mower should be serviced professionally by an authorized dealer.
10. Regularly check the safety interlock system for proper function, as described later in this manual. If the safety interlock system does not function properly, have your mower serviced.
11. Never tamper with the bale handle or other safety devices.
12. Check the mower reel(s) for damage (e.g., excessive wear, bent, cracked). Replace the reel(s) with the original equipment manufacturer's (O.E.M.) reel(s) only. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
13. Use of service parts which do not meet the original equipment specifications may lead to improper performance and compromise safety.
14. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
15. After striking a foreign object (or if abnormal vibration occurs), stop the reel and mower, remove key and disconnect the battery module. Thoroughly inspect the mower for any damage. Repair the damage before starting and operating.
16. Never attempt to make height adjustments or repairs while the mower is running.
17. Grass catcher components are subject to wear and damage which could expose moving parts or allow objects to be thrown. For safety protection, frequently check components and replace immediately with original equipment manufacturer's (O.E.M.) parts only. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
18. Maintain or replace safety and instruction labels, as necessary.

SAFE OPERATION PRACTICES

Battery Module Tool Use & Care

1. Do not store battery module below 0° C/32° F and avoid prolonged exposure to temperatures above 40° C/104° F.
2. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery module may create a risk of fire when used with another battery module.
3. Use power tools only with specifically designated battery modules. Use of any other battery modules may create a risk of injury and fire.
4. When battery module is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery module terminals together may cause burns or a fire.

5. Under abusive conditions, liquid may be ejected from the battery module; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help. Liquid ejected from the battery module may cause irritation or burns.
6. Do not use a battery module or tool that is damaged or modified. Damaged or modified battery modules may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
7. Do not expose a battery module or tool to fire or excessive temperature. Exposure to fire or temperature above 130° C/266° F may cause explosion.
8. Follow all charging instructions and do not charge the battery module or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery module and increase the risk of fire.

Safety Symbols

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

Symbol	Description
	READ THE OPERATOR'S MANUAL(S) Read, understand and follow all instructions in the manual(s) before attempting to assemble and operate.
	DANGER — ROTATING BLADES To reduce the risk of injury, keep hands and feet away. Do not operate unless guards, shields, covers and grass bagger (if applicable) are in their proper place. If damaged, replace immediately.
	DANGER — BYSTANDERS Do not mow when children or others are around.
	DANGER — HAND/ FOOT CUT Keep hands and feet away from rotating parts.
	DANGER — ROTATING REEL(S) Do not put hands or feet near rotating parts or under the cutting reel. Contact with moving reel(s) can amputate hands and feet. Be sure reel(s) and power are off before placing hands or feet near reel(s).

Symbol	Description
	DANGER — SLOPES Use extra caution on slopes. The mower is heavy and can speed up when going downhill. Be prepared to maintain control of the mower. To avoid loss of control, operate across slopes, not up and down. When turning, turn uphill, not down. Do not operate on slopes greater than 3° or 5%.
	DANGER — THROWN DEBRIS Remove objects that can be thrown by the blade in any direction. Wear safety glasses.
	WARNING — ELECTRIC SHOCK Do not charge mower in rain or wet locations. Do not operate mower in rain.
	DANGER — SERVICE Many components on this mower should only be serviced by an authorized service dealer. Read this Operator's Manual before attempting to service this mower.

⚠ WARNING

Your Responsibility — Restrict the use of this power mower to persons who read, understand and follow the warnings and instructions in this manual and on the mower.

SAVE THESE INSTRUCTIONS!

Slope Gauge

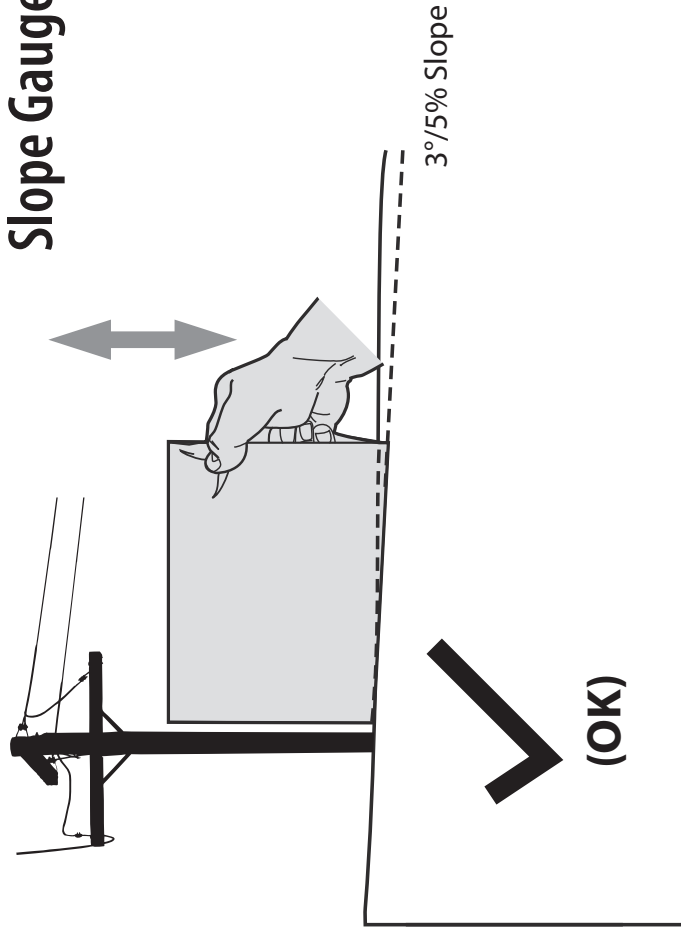


Figure 1

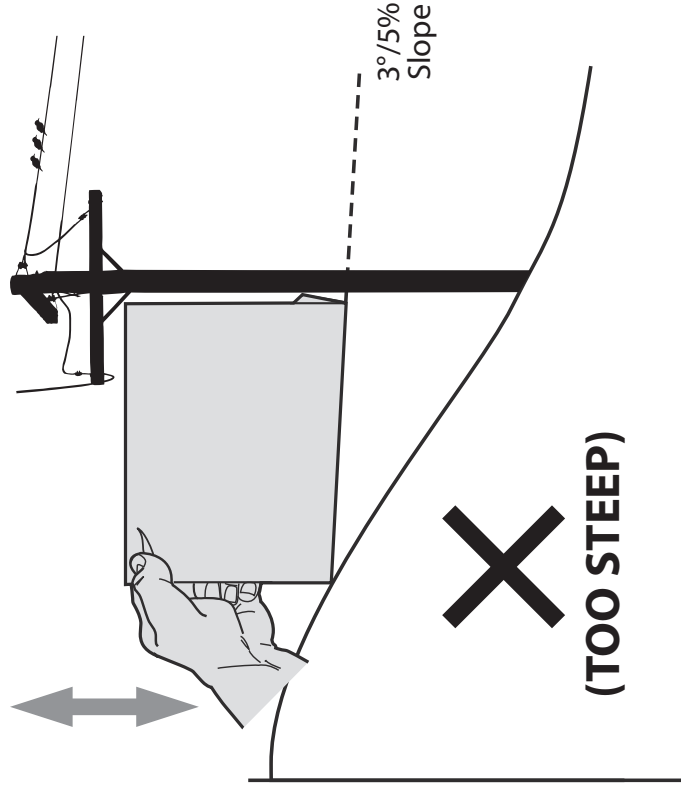


Figure 2

USE THIS SLOPE GAUGE TO DETERMINE IF A SLOPE IS TOO STEEP FOR SAFE OPERATION!

To check the slope, proceed as follows:

1. Remove this page and fold along the dashed line.
2. Locate a vertical object on or behind the slope (e.g. a pole, building, fence, tree, etc.)
3. Align either side of the slope gauge with the object (See Figure 1 and Figure 2).
4. Adjust gauge up or down until the left corner touches the slope (See Figure 1 and Figure 2).
5. If there is a gap below the gauge, the slope is too steep for safe operation (See Figure 2 above).

3°/5% dashed line

⚠ WARNING

Slopes are a major factor related to tip-over and roll-over accidents which can result in severe injury or death. **DO NOT** operate machine on slopes in excess of 3 degrees or 5 percent. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

ASSEMBLY

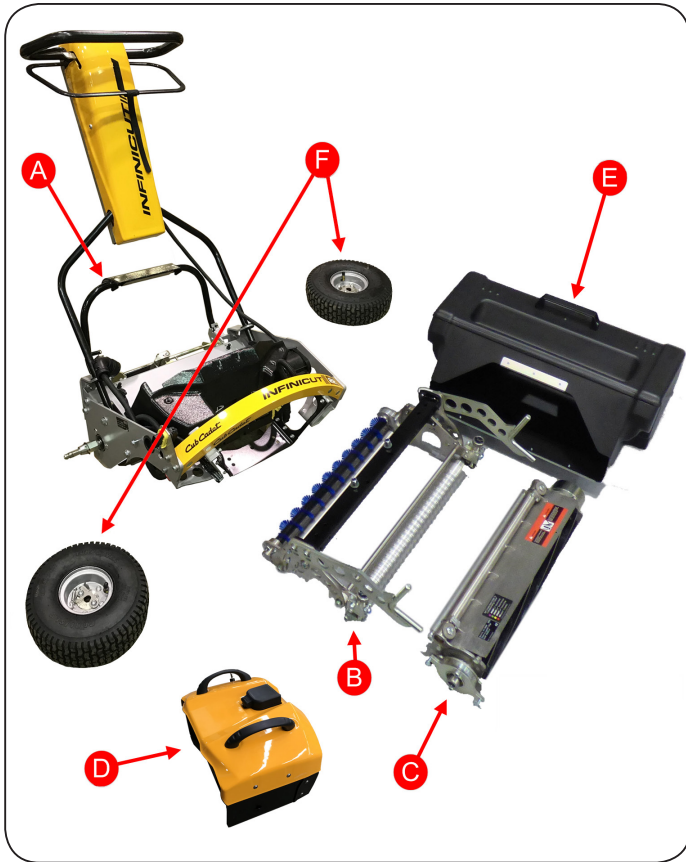


Figure 1

Main Components and Controls

Traction Mower (A)

The traction mower is considered the main hub of the mower and includes the upper handle and lower base portion of the mower. The mower controls and switch options are located on the upper portion of the mower.

NOTE: Ensure you are fully familiar with the location of all controls and their functions prior to operating the mower. See Operator Controls, Figure 2.

Chassis (B)

The chassis is located at the front of the mower. It is the front assembly where all attachments and reel cassettes are attached.

Reel Cassette (C)

The reel cassette attaches to the chassis and is the main cutting mechanism on the mower. Multiple reel options and sizes are available for this mower.

Battery Module (D)

The battery module powers the mower using battery power.

Grass Box (E)

The grass box attaches to the mower in order to collect grass clippings.

Transport Wheels (F)

Transport wheels allow for easy transportation of the mower to and from mowing area.

Operator Controls (See Figure 2)

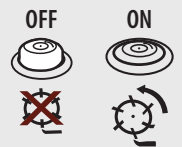
- Main Operating/Steering Handle (A)
- Bale Handle (B)
- Throttle (C)
- Operator Panel (D)



Figure 2

Operator Panel (See Figure 3)

- Bluetooth Connected LED (A)
- Reel Engage Switch (B)
- Reel LED (C)
- Low Battery Indicator LED (D)
- Headlight Engage Switch (E)
- OPC LED (F)



Direction Switch & Hour Meter (See Figure 4)

- Direction (FORWARD/REVERSE) (G)
- Hour Meter (H)

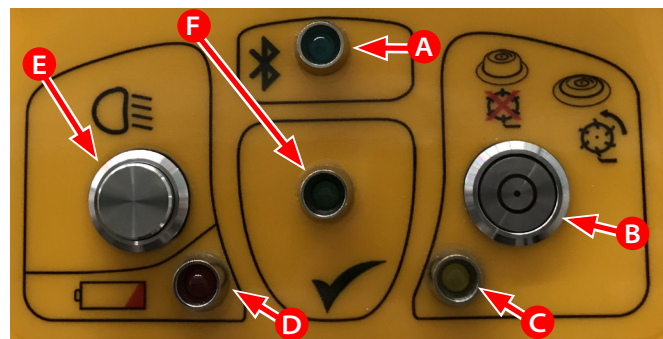


Figure 3

IMPORTANT: The Low Battery Indicator LED (D) will show solid red when battery life falls to 20% and blinking red when battery life falls to 5%.

IMPORTANT: When the Bluetooth Connected LED (A) and the Low Battery Indicator LED (D) are flashing, there has been a fault in the system.



Figure 4

ASSEMBLY

NOTE: This Operator's Manual covers several models. Mower features may vary by model. Not all features in this manual are applicable to all mower models and the mower depicted may differ from yours.

NOTE: All references in this manual to left or right side and front or back of mower are from the operating position only. Exceptions, if any, will be specified.

Preparation

Installing the Battery Module

The battery module is placed by:

1. With charge port cover (Figure 7) facing rear of mower, match the four gaskets on bottom of battery module housing to four studs on mower.
2. Once battery module is seated, secure to mower by locating the two rubber straps (right and left side of frame) and pulling them up until they reach tabs located on right and left of battery module. Connect rubber straps over tabs as shown in Figure 5.
3. Connect power by turning connector clockwise until it locks into place.



Figure 5

Handle Height Setup

New operators will need to set up the mower for their specific comfort based on stature. The main operating/steering handle is height adjustable.

1. To adjust handle height, loosen the two (2) bolts on each side of the traction unit, see Figure 6.
2. Move handle up/down until desired height is achieved.
3. Re-tighten bolts fully before operation.



Figure 6

NOTE: Only two bolts are shown in Figure 6. Remaining two bolts located on opposite side (not shown).

WARNING

Failure to ensure bolts are fully tight may result in loss of mower control causing serious injury.

Checking Charge Level (Battery Module)

1. Check battery charge level before starting mower.
2. Ensure battery module is secured to mower correctly. Refer to Installing the Battery Module section.

Charging the Battery Module

WARNING

- **California Proposition 65: Cancer and reproductive harm –** www.P65Warnings.ca.gov.
- The battery module contains corrosive fluid and toxic material — **HANDLE WITH CARE.** Keep away from children. Do not puncture, disassemble, mutilate, or incinerate. Explosive gases could be vented during charging or discharging. Charge in a well ventilated area, away from sources of ignition.
- **Recharge only with charger provided with this mower. A charger that is not suitable for this mower may damage the batteries or create the risk of fire.**
- **Do not charge or operate mower in the rain or in wet conditions.**

Battery module is charged using the supplied charging unit, which is plugged into a main power supply. Refer to manual packed with your battery module charger for further information and instructions on charging the battery module. The charging port is located on top of the battery module.

To charge battery module:

1. Lift charge port cover. See Figure 7.
2. Insert charging cord into charging port. See Figure 8.
3. Plug charger power cord into wall receptacle (outlet).
4. Check LEDs on side of charging unit. See Figure 9.

NOTE: It will take approximately 4 hours to fully charge battery module.

NOTE: The charger display LED's will blink continuously when charging and the LCD display (Figure 9, A) will display percentage of charge. Battery module is completely charged when all green lights are illuminated and LCD displays 100%.

NOTE: When charging cord is plugged into battery module and not yet plugged into the wall, LED's will illuminate continuously until cord is plugged into the wall.



Figure 7

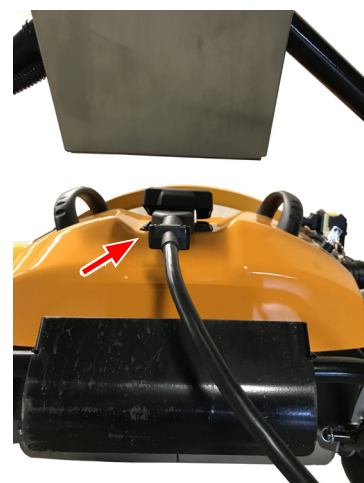


Figure 8

If at any time your charger displays a fault while charging your battery module, follow these procedures:

1. Turn key off.
2. Unplug charging cord from battery module.
3. Unplug charger power cord from power source.
4. Plug charger power cord back into power source.



Figure 9

ASSEMBLY

5. Plug charging cord back into battery module.
6. If fault persists, contact qualified service personnel.

NOTE: Rechargeable batteries degrade with time and use. Battery module may eventually need to be replaced. To have battery module replaced, contact your authorized service dealer.

NOTE: Using an old or faulty battery module could cause a system fault that results in loss of power.

Battery Module Charging Tips

- Battery module should be fully charged before initial use.
- Battery module should be fully charged after each use. Storing battery module in a discharged state could reduce performance.
- Battery module will turn off automatically after a complete charge.
- It will take approximately 4 hours to fully charge battery module. Leaving battery module connected to charger for more than 4 hours will not damage battery module.
- Battery module does not develop a memory and does not need to be fully discharged before recharging.
- Always disconnect battery module charger (or extension cord, if used) from electrical receptacle (outlet) first, then disconnect charging cord from charging port.
- Never charge a frozen battery module.
- It is recommended battery module be charged once every month during off-season storage.

IMPORTANT: Always store battery module above 0° C/32° F and avoid prolonged exposure to temperatures above 40° C/104° F.

ADJUSTMENTS

Operating Adjustments

Transport Mower for Operation

Prior to operation, transport mower to the designated mowing area with the transport wheels attached. Once mower is in the desired mowing area, transport wheels should be removed. Follow steps below to raise mower and attach/remove transport wheels, as necessary.

WARNING

This mower is heavy. Risk of serious crush/trap injury could occur if these guidelines are not observed. The stand is only to be used for attaching/removing transport wheels and to act as a brake with the mower switched off. Not to be used for maintenance work.

Follow these steps to raise/lower mower prior to attaching/removing transport wheels (all models):

1. Ensure mower is on firm level ground.
2. Press down on kick stand with your foot to take up slack.
3. Pull mower back using main operating (steering) handle, while simultaneously pressing down on stand with your foot (see Figure 9).



Figure 9

WARNING

Ensure the stand is fully engaged, angled under mower and mower is stable. See Figure 10.



Figure 10

4. Remove wheels. Refer to Attaching/Removing Transport Wheels section.

To lower mower from stand:

1. Place your foot against stand.
2. Push mower forwards off stand.

CAUTION

When pushing off kick-stand, stand kicks up under spring tension, take care to keep feet clear.

Attaching/Removing Transport Wheels

Perform the following on both sides of mower to remove transport wheels:

CAUTION

Risk of trapping fingers on clips/wheel slide. Please wear protective gloves.

1. Push wheel release clip in direction indicated by arrow, shown in Figure 11.



Figure 11

2. Remove transport wheel.

Perform the following on both sides of mower to attach transport wheels:

1. Re-attach wheel and push wheel release clip in the opposite direction indicated by the arrow, shown above in Figure 11.

NOTE: When re-attaching transport wheels, ensure clips are locked securely in position. Check that wheel is not able to be pulled back off shaft. If not secured, wheels may detach while in motion.

ADJUSTMENTS

Attach/Remove Grass Box

You can use the grass box to collect clippings while you are operating the mower. To attach grass box:

1. Lift grass box using lifting handle.
2. Locate the two attaching points at front of mower. Opposite side not shown. See Figure 12.
3. Lift rear of box to hook onto attaching points.
4. Make sure box is fully engaged and you are not able to pull it off hooks.
5. If necessary, adjust positioning of grass box:
 - Adjust grass box position to achieve a good fit with grass box clear of ground. See Figure 12.

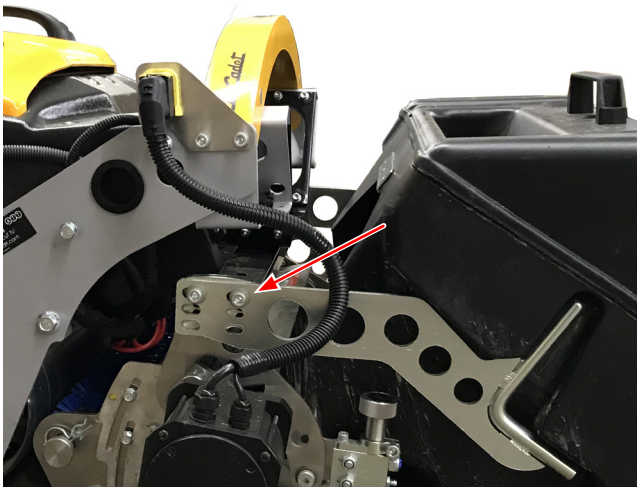


Figure 12

- Gap between grass box and mower should be small. See Figure 13.

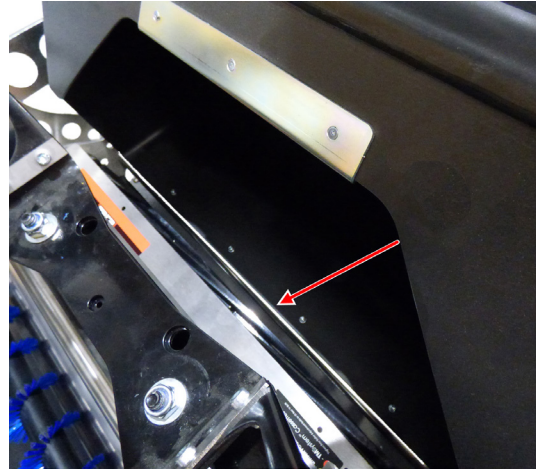


Figure 13

CAUTION

Do not overfill grass box. It may become heavy and could cause injury, or spilling of grass could occur.

To remove grass box:

1. Stop mower completely, refer to Stopping the Mower section. Make sure mower and cutting reel have come to a complete stop.
2. Lift grass box up using lifting handle to remove box. Dispose of grass clippings and reinstall box when complete.

OPERATION

Safety Interlock System

This mower is equipped with a safety interlock system for the protection of the operator. If the interlock system should ever malfunction, do not operate mower. Contact your authorized service dealer.

The safety interlock system prevents the mower from starting unless bale handle is engaged, Reel Engage Switch is in disengaged (OFF) position and throttle is fully up and back towards steering handle.

Mower will automatically shut off if operator releases bale handle.

WARNING

Do not operate mower if safety interlock system is malfunctioning. This system was designed for your safety and protection.

Starting the Mower

WARNING

Be sure no one other than the operator is standing near the mower while starting or operating mower. Keep hands, feet, hair and loose clothing away from any moving parts on mower.

1. Switch mower on using key.
2. Set Direction Switch (FORWARD/REVERSE) to desired direction of travel and make sure throttle (A) is fully pulled up and back towards steering handle. See Figure 14.

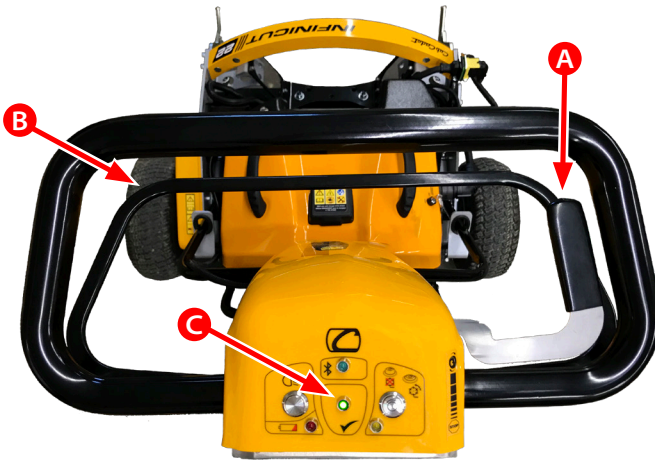


Figure 14

3. Pull up on bale handle (B) and hold in position, the green OPC light should be on (C). See Figure 14.

4. Press Reel Engage Switch (D). The yellow Reel LED (E) should be on. See Figure 15.



Figure 15

5. Push throttle down (A).

IMPORTANT: Reel Engage Switch must be reengaged after operator steps away.

NOTE: To ensure a quality cut, push throttle all the way down when mowing so that reel is at full speed.

Reel Drive Engagement

WARNING

The cutting reel and other attachments on this mower are very sharp and powerful. Never engage drive when your hands or others hands are near the cutting reel. You risk severe cut/trap injury if your hands or others' hands become trapped in the cutting reel.

1. Once power is connected, continue holding bale handle and press Reel Engage Switch, the adjacent LED will illuminate.
2. Slowly engage throttle.
3. Refer to Stopping the Mower section to stop mower.

NOTE: Do not run cutting reel when not cutting grass. Heating will occur which will damage reel and bedknife surfaces.

WARNING

Never attempt to clean cutting reel/groomer, clear a blockage or change an accessory without disconnecting main power connector. You risk severe cut/trap injury if you manually work on mower with power connected, especially when using battery module.

OPERATION

Turning the Mower

WARNING

The mower is powerful and heavy, as such it builds up significant momentum when operating at higher speeds. You risk severe injury to yourself or others if at any time you are not in full control.

1. Slow forward speed to a comfortable rate.
2. Pull throttle back towards you.
3. Tilt mower back on transport roller, lifting cutting reel off ground and turn mower a complete 180°.
4. Gently throttle up while making a controlled turn and simultaneously lower mower back on to turf.
5. Push throttle away from you.

Stopping the Mower

1. Pull throttle back to stop position.
2. Press the Reel Engage Switch, if engaged. The adjacent Reel LED will switch off.
3. Release bale handle.

NOTE: If stopping for a prolonged period, shut down mower. (see Long Term Storage section)

4. Turn mower key to OFF position to stop cutting reel and mower.

WARNING

Wait for cutting reel and mower to stop completely before performing any work on the mower or to remove reel cassette or other attachments.

5. Engage parking brake by pulling handle backward off right pin (A), rotating clockwise (B) and securing on left pin (C). See Figure 16.

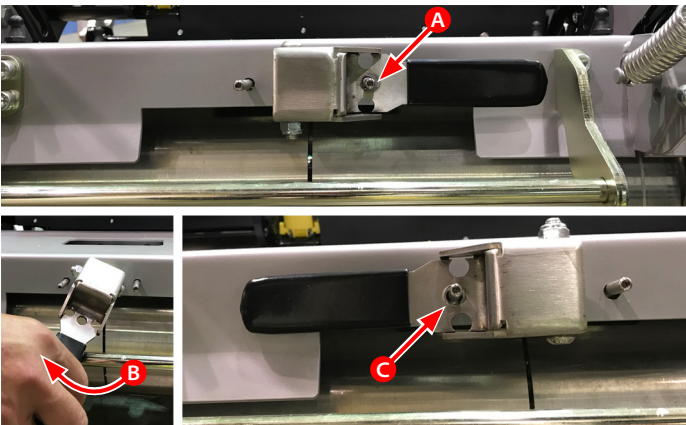


Figure 16

Emergency Stopping

To stop the drive to the cutter and traction drum, let go of bale handle and make sure all moving parts have come to a complete stop:

- after striking a foreign object, and to inspect mower for damage and make repairs before restarting and operating mower;
- if mower starts to vibrate abnormally, and then to immediately inspect for damage, replace or repair any damaged parts and to check for and tighten any loose parts.

IMPORTANT

Do not hesitate to let go of the bale handle if you sense danger or are unsure in any way. The mower is still powered even with the bale handle released and must be switched off using key located on battery module.

Engaging/Disengaging the Groomer (If Equipped)

IMPORTANT

Make sure groomer, if equipped, is either fully engaged or fully disengaged. Any position in between causes excessive wear.

If equipped, groomer can be engaged and disengaged at any time by adjusting control on side of mower. See Figure 17.

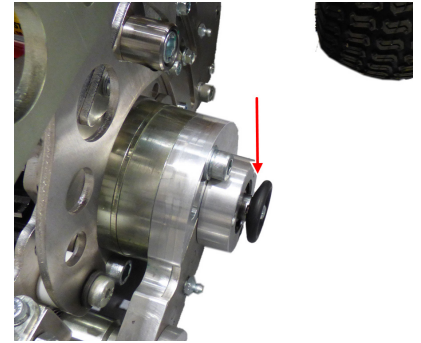


Figure 17

Groomer is engaged (shown on left, Figure 18) when there is no gap visible; it is disengaged (shown on right, Figure 18) when pin is in slot.

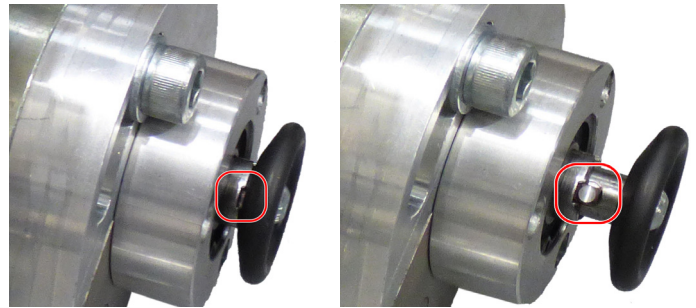


Figure 18

Groomer is partially engaged (incorrect, see Figure 19) as pin is NOT in slot and there is a visible gap.

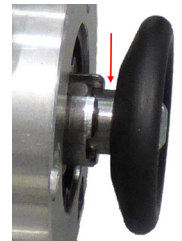


Figure 19

Smithco Trailer Mount (If Equipped)

If equipped, the Smithco trailer mount enables mower to easily be transported between locations. See Figure 20.

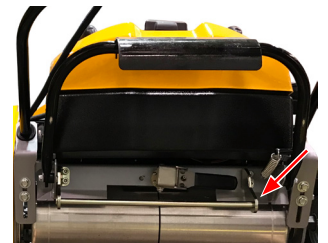


Figure 20

Leaving the Mower Unattended/Parking

1. Park mower on level ground.
2. Switch off battery module and remove key.
3. Unplug main power connector.

SERVICE AND MAINTENANCE

NOTE: This Operator's Manual covers several models. Mower features may vary by model. Not all features in this manual are applicable to all mower models and the mower depicted may differ from yours.

Routine Maintenance

Before each use, check that all bolts are tightened and mower is not damaged. If damaged, repair before further use.

Lubricate Chains and Tension Adjustment

Lubricate chain every three months or every 30 hours (whichever comes first) with a dry lubricant.

To access chains:

1. Remove transport wheels, if necessary. Refer to Attaching/Removing Transport Wheels for more information.
2. Remove chain guard, using a 10mm wrench to remove nut holding guard in position. See Figure 23.

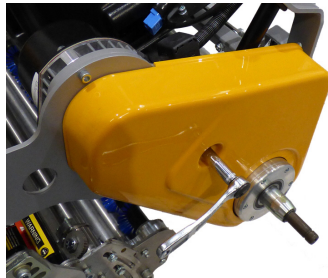


Figure 23

To adjust tension of chain (A) in Figure 24:

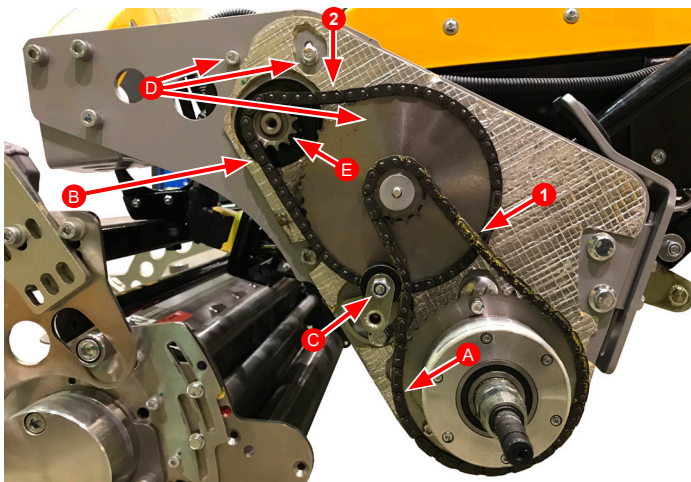


Figure 24

1. Loosen chain tensioner (C).
2. Adjust chain tensioner assembly until the chain travel distance measures between 10-14 mm (1).
3. Secure chain tensioner (C).

To adjust tension of chain (B) in Figure 24:

1. Loosen the three nuts (D).
2. Adjust position of motor (E) until chain travel distance measures between 8-12 mm (2).
3. Re-tighten all three nuts (D).

NOTE: Lubricate chain before replacing chain guard.

⚠ WARNING

Do not overtighten chain or damage could occur to the drive line. Overtightening chains can also cause reduced battery module runtime.

Lubricate Grease Points

Apply grease to the following grease points:

1. There are two grease points at front of mower (one on either side). See Figure 25.

NOTE: Only one side is shown in Figure 25.

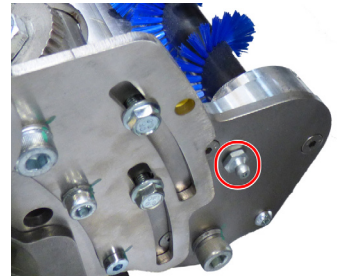


Figure 25

- One grease point is located on the groomer gearbox assembly (if equipped). See Figure 26.

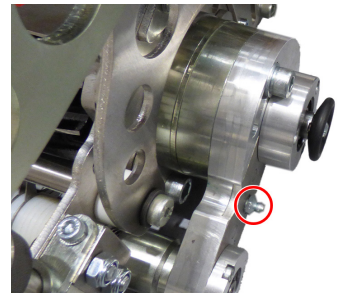


Figure 26

- The motor assembly also has three locations. See Figure 27.

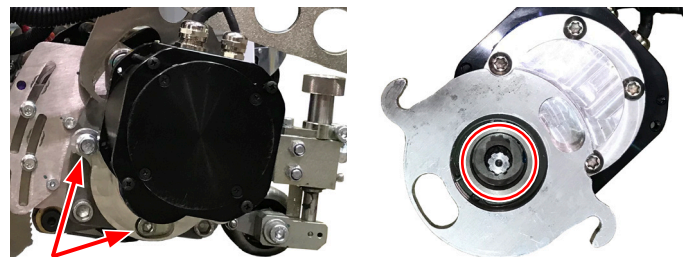


Figure 27

Rear Roller Power Brush Position Adjustment (If Equipped)

As brush wears, brush must be adjusted to move it closer to roller.

Adjust brush as follows, if necessary:

1. Remove R-clip to access nuts behind it. See Figure 28.

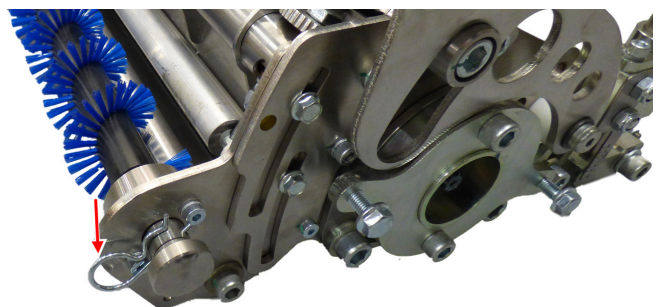


Figure 28

SERVICE AND MAINTENANCE

- Loosen the two nuts, shown in Figure 29.

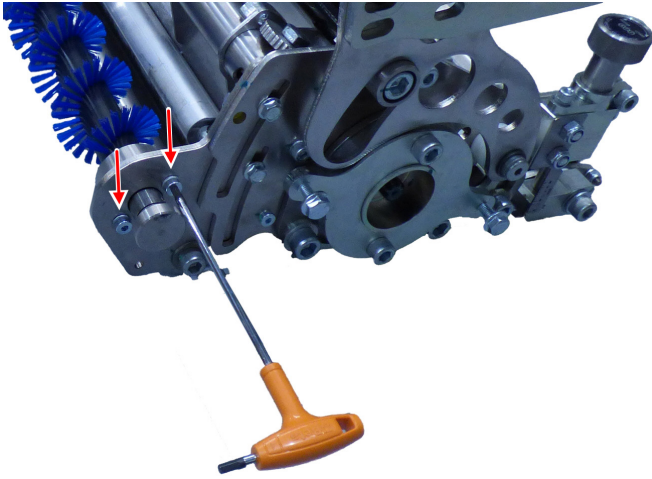


Figure 29

- Loosen nut at opposite end of brush. See Figure 30.



Figure 30

- Adjust position of brush, ensuring it is parallel.
- Re-tighten all nuts.
- Replace R-clip.

To remove brush:

- Remove R-clip from bolt that secures brush, refer to Figure 28.
- Remove bolt.
- Lift the brush out of mower.

NOTE: Reverse steps 1-3 to replace brush.

Floating Head Removal

To remove floating head:

- Loosen and remove the two bolts holding motor to mower. See Figure 31.

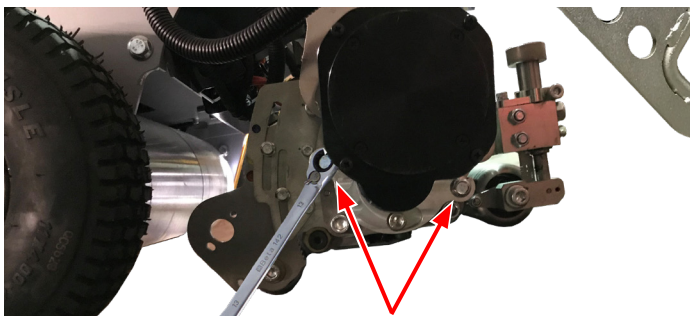


Figure 31

- Lift motor away from floating head and place it on support brackets. See Figure 32.

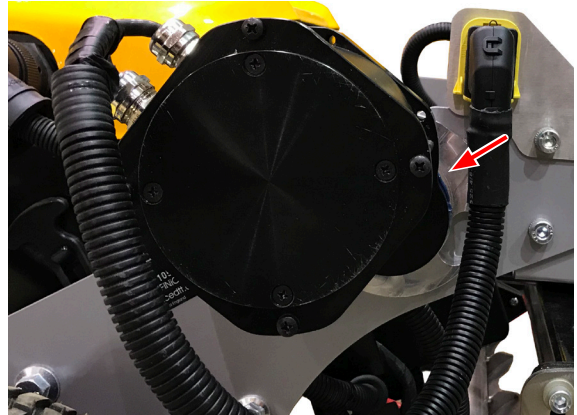


Figure 32

- Loosen and remove nuts and washers from securing bolts fixing floating head to traction unit. See Figure 33.

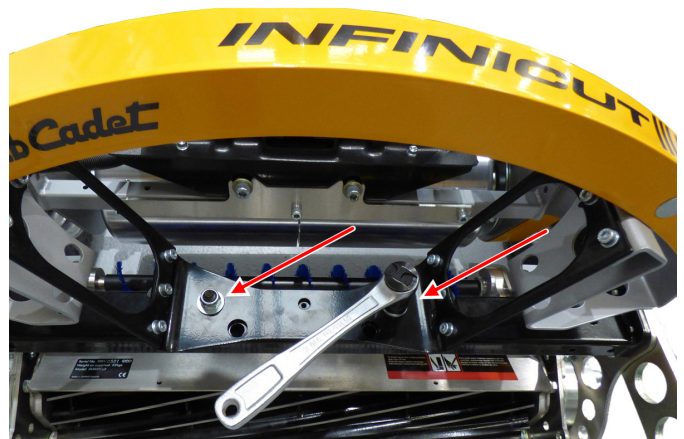


Figure 33

- Tilt traction unit back using main operating/steering handle to lift traction unit off bolts attaching it to floating head. See Figure 34.

NOTE: To replace floating head, reverse steps 1-4 above.



Figure 34

SERVICE AND MAINTENANCE

InfiniApp

The Infinicut maximum walking speed and maximum reel speed are configured by an Android app, the InfiniApp. Please see your authorized service dealer to access this feature.

Desired Frequency of Cut (FOC) settings are also available through the app, removing guesswork out of setting reel speed by allowing the software to calculate the correct setting.

Additional advanced settings and diagnostics are also available through the InfiniApp.

Long-Term Storage

IMPORTANT

Take great care if using power washing equipment to clean this mower. Do not wash battery modules or bearings. Serious damage may occur. Clean the mower only after battery modules have been removed, taking care not to damage bearings with direct pressure washer cleaning.

- Lubricate bare metal surfaces with a rust inhibiting maintenance fluid.
- Stand on kickstand or ground rollers to remove load from pneumatic transport tires.
- Put wooded blocks/sheets under rollers (under contact points with ground).
- Always store battery module above 0° C/32° F and avoid prolonged exposure to temperatures above 40° C/104° F.

TROUBLESHOOTING

WARNING

Before performing any type of maintenance/service, disengage all controls and stop the mower. Wait until all moving parts have come to a complete stop. Place throttle in neutral, set parking brake and remove key to prevent unintended starting. Always wear safety glasses during operation or while performing any adjustments or repairs.

General

Please see mobile app (InfiniApp) to address minor service issues. For more detailed guidance see specialist maintenance personnel or your authorized service dealer.

Chassis and Cassettes

Problem	Cause	Remedy
Chassis is not level when setting HOC	1. Rear roller not in correct color dots or not in matching positions 2. Cassette is not in correctly in chassis 3. Front roller adjustment is not correct	1. Make sure teeth are locked in correctly and check colors match conditions you are in 2. When putting cassettes in, there is a small half moon cut out that should not be seen when cassette is in correctly 3. Work on gauges on roller to start, then use a height cut bar for finer adjustments to level front roller
Grass box dropping clippings	1. Grass box mounts not fixed in correct position	1. Adjust grass box mounts when mower is on rear traction drum not transport wheels. Slacken brackets and adjust accordingly
Cassette running lower on one side	1. Cassette is not correctly in chassis 2. Height of cut adjusted incorrectly	1. When putting cassette in there is a small half moon cut out that should not be visible when cassette is in correctly 2. Ensure you use correct setting bar or accessory gauge to get designated cut height
Reel not spinning	1. Coupler is damaged	1. Remove motor check for wear. If worn, replace coupler