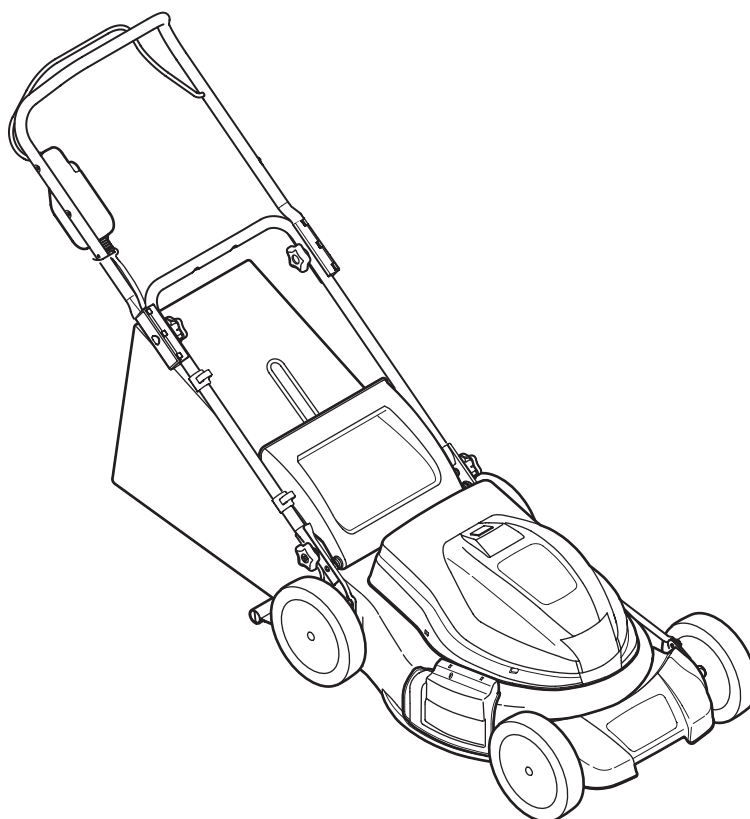


OPERATOR'S MANUAL

Cub Cadet®



19-Inch 3-in-1 Rechargeable Lawn Mower — Model 188

IMPORTANT

READ SAFETY RULES AND INSTRUCTIONS CAREFULLY BEFORE OPERATION



This symbol on the product's nameplate
means it is listed by
UNDERWRITERS LABORATORIES INC.

This Operator's Manual is an important part of your new lawn mower. It will help you assemble, prepare and maintain the unit for best performance. Please read and understand what it says.

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Cub Cadet LLC reserves the right to change product specifications, designs, and equipment without notice and without incurring obligation.

Finding and Recording Model Number

BEFORE YOU BEGIN TO ASSEMBLE YOUR NEW EQUIPMENT, please locate the model plate on the equipment and copy the information to the sample model plate provided to the right. You can locate the model plate by standing at the operating position and looking down at the rear of the deck. This information will be necessary to use the manufacturer's web site, to obtain assistance from the Customer Support Department, or when contacting an authorized service dealer.

Model Number	Serial Number
<i>Cub Cadet</i> www.cubcadet.com	CUB CADET LLC P. O. BOX 361131 CLEVELAND, OH 44136
DEALER LOCATOR PHONE NUMBER: 877-282-8684	

Customer Support

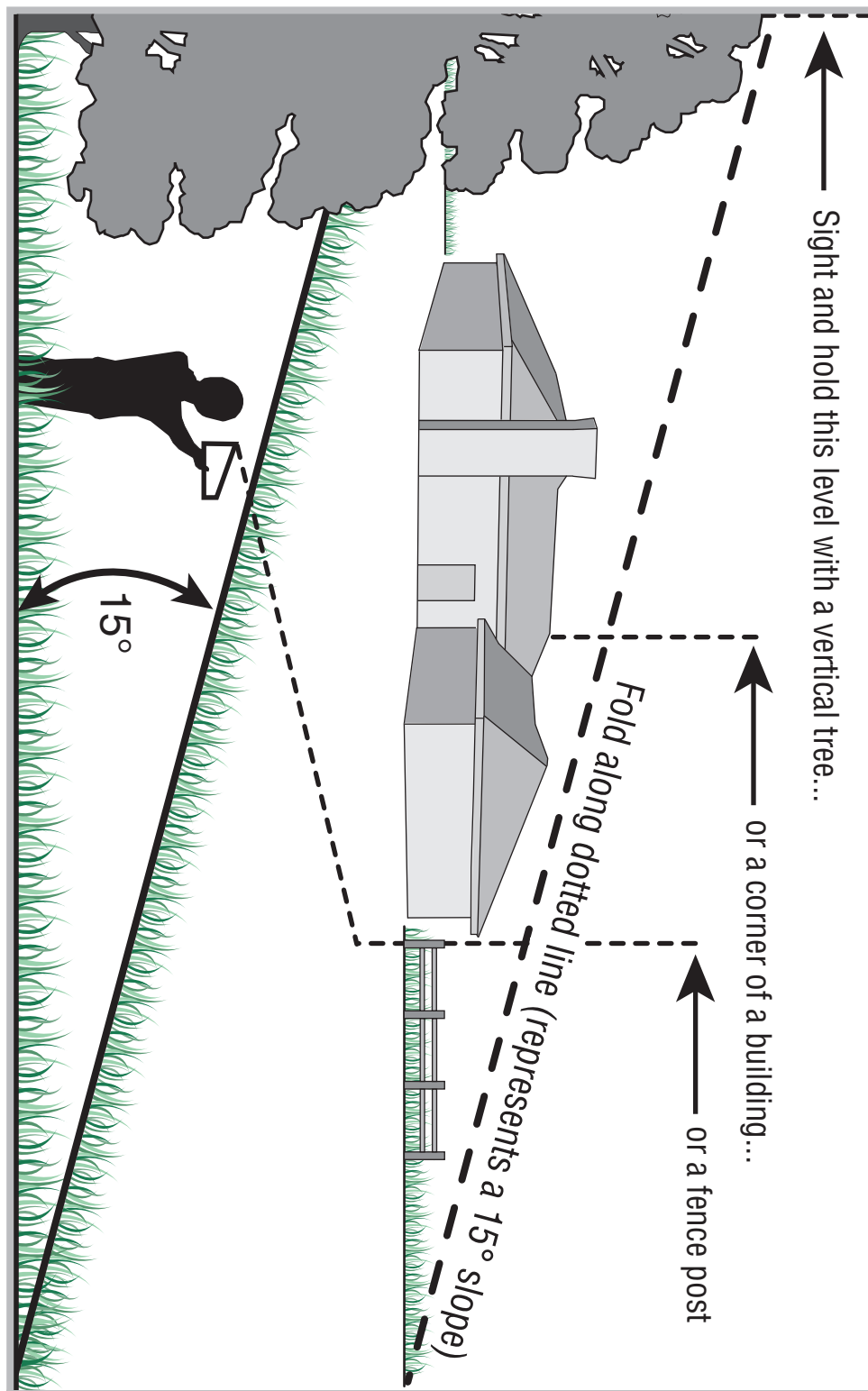
Please do *NOT* return the unit to the retailer from which it was purchased, without first contacting Customer Support.

If you have difficulty assembling this product or have any questions regarding the controls, operation, or maintenance of this unit, you can seek help from the experts. Choose from the options below:

- Visit **www.cubcadet.com** for many useful suggestions. Click on the Customer Service link and you will get several options to help in answering your questions. Click on the appropriate button and help is immediately available.
- Phone our **Customer Dealer Referral Line**, to find a dealer nearest you, at 1(877) 282-8684.

Use this page as a guide to determine slopes where you may not operate safely.

Do not operate your lawn mower on such slopes.



1

Slope Gauge



WARNING

Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2-1/2 feet every 10 feet).

Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

2

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 machine. Failure to comply with these instructions may result in personal injury. When you see this symbol.

HEED ITS WARNING

Your Responsibility

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



WARNING: When using electric lawnmowers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. These basic precautions include the following:

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

Children

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

1. Keep children out of the mowing area and under watchful care of a responsible adult other than the operator.
2. Be alert and turn mower off if a child enters the area.
3. Before and while moving backwards, look behind and down for small children.
4. Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your vision of a child who may run into the mower.
5. Never allow children under 14 years old to operate a power mower. Children 14 years old and over should read and understand operation instructions and safety rules in this manual and should be trained and supervised by a parent.

Operation

General Operation:

1. Read this operator's manual carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manual(s) before operation. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. This machine is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
3. Don't force lawn mower - it will do the job better and safer at the rate for which it was designed.
4. Never allow children under 14 years old to operate this machine. Children 14 years old and over should read and understand the instructions in this manual and should be trained and supervised by a parent. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use this machine.
5. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones, toys and other foreign objects which could be tripped over or picked up and thrown by the blade. Thrown objects can cause serious personal injury. Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. Also, avoid discharging material against a wall or obstruction which may cause discharged material to ricochet back toward the operator.
6. To help avoid blade contact or a thrown object injury, stay in operator zone behind handles and keep children, bystanders, helpers and pets at least 75 feet from mower while it is in operation. Stop machine if anyone enters area.
7. Always wear safety glasses or safety goggles during operation and while performing an adjustment or repair to protect your eyes. Thrown objects which ricochet can cause serious injury to the eyes.
8. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs and steel-toed shoes are recommended. Never operate this machine in bare feet, sandals, slippery or light weight (e.g. canvas) shoes.
9. Do not put hands or feet near rotating parts or under cutting deck. Contact with blade can amputate hands and feet.
10. A missing or damaged discharge cover can cause blade contact or thrown object injuries.
11. 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 falling; release the handle immediately.
12. Never pull the mower back toward you while you are walking. If you must back the mower away from a wall or obstruction first look down and behind to avoid tripping and then follow these steps:
 - a. Step back from mower to fully extend your arms.
 - b. Be sure you are well balanced with sure footing.
 - c. Pull the mower back slowly, no more than half way toward you.
 - d. Repeat these steps as needed.
13. Do not operate the mower while under the influence of alcohol or drugs.
14. Stay alert - Watch what you are doing. Use common sense. Do not operate lawn mower when you are tired.
15. The motor/blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The motor/blade control handle must operate easily in both directions and automatically return to the disengaged position when released.
16. Do not charge the mower in rain, or in wet conditions.
17. Never operate the mower in rain or wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your footing, release the motor/blade control handle immediately and the blade will stop rotating within three seconds.
18. Mow only in daylight or good artificial light. Walk, never run.

19. Stop the blade when crossing gravel drives, walks or roads.
20. If the equipment should start to vibrate abnormally, stop the motor and check immediately for the cause. Vibration is generally a warning of trouble.
21. Shut the motor off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the motor is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
22. Never operate mower without proper trail shield, discharge cover, grass catcher, motor/blade control handle 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.
23. Only use parts and accessories made for this machine by manufacturer. Failure to do so can result in personal injury.
24. If situations occur which are not covered in this manual, use care and good judgment. Telephone Customer Support for the name of your nearest dealer.

Slope Operation:

Slopes are a major factor related to slip and fall accidents which can result in severe injury. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15 degrees, do not mow it.

Do:

1. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.
2. Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles.
3. Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance, release the motor/blade control handle immediately, and the blade will stop rotating within three (3) seconds.

Do Not:

1. Do not mow near drop-offs, ditches or embankments, you could lose your footing or balance.
2. Do not mow slopes greater than 15 degrees as shown on the slope gauge.
3. Do not mow on wet grass. Unstable footing could cause slipping.

Service

1. If the mower's built-in overload protection switch frequently trips, contact your nearest authorized service dealer for repair.
2. Remove key and store idle lawn mower indoors when not in use. Allow motor to cool before storing in any inclosure. Lawn mower should be stored indoors in a dry, high, or locked-up place, out of reach of children.
3. When servicing use only identical replacement parts listed in this manual. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
4. Before cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped. Remove the key to prevent accidental starting.
5. Remove key before servicing, cleaning, or removing material from the lawn mower.
6. Follow instructions for lubricating and changing accessories.
7. Keep handles dry, clean and free from oil and grease.
8. To reduce a fire hazard, keep the motor cover free of grass, leaves and debris build-up.
9. Check the blade and motor mounting bolts at frequent intervals for proper tightness. Also, visually inspect blade for damage (e.g., bent, cracked, and worn). Replace blade with the original equipment manufacturer's (OEM) blade only, listed in this manual.
10. Maintain your mower with care — Keep mower blade sharp and clean for best and safest performance. Mower blades are sharp and can cut, wrap the blade or wear gloves and use extra caution when servicing them.
11. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
12. Never tamper with safety devices. Check their proper operation regularly.
13. Never attempt to make wheel or cutting height adjustments while the motor is running.
14. After striking a foreign object, stop the motor, remove the key, and thoroughly inspect the mower for any damage. Repair the damage before operating the mower.
15. Grass catcher components, discharge cover, and trail shield 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 (OEM) parts only, listed in this manual.

SAVE THESE INSTRUCTIONS!

2

Safe Operation Practices



WARNING

3

Setup and Adjustment



NOTE: Stand behind the mower as if you were going to operate it. Your right hand corresponds to the right side of the mower; your left hand corresponds to the left side of the mower.

IMPORTANT

Be certain to charge the battery for at least 14 hours before operating your mower. Refer to Operation section.

NOTE: Each end of the lower handle must be placed in the same relative position.

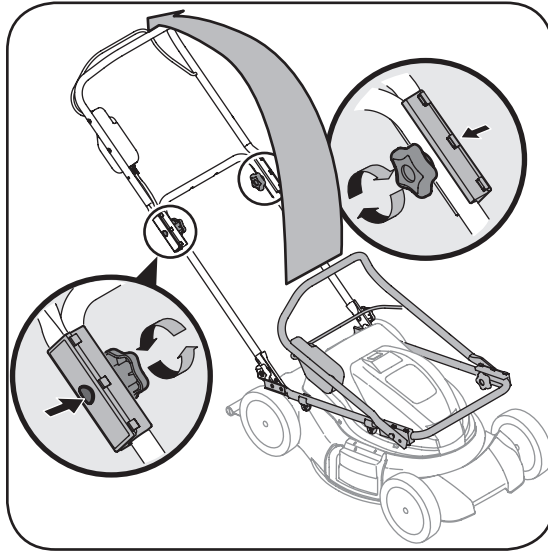


Figure 3-1: Unfold handle and tighten hardware.

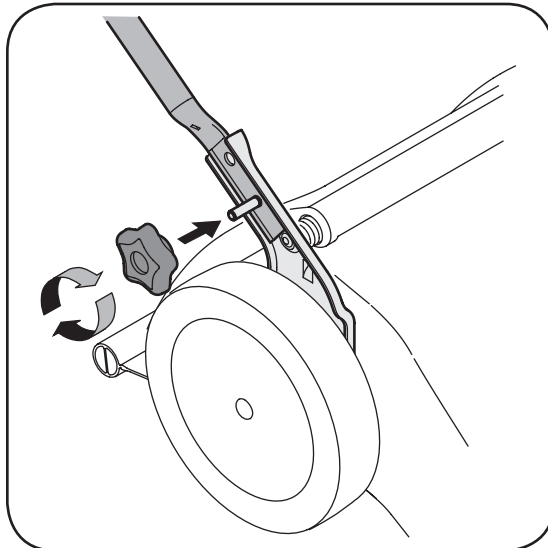


Figure 3-2: Secure lower handle to mounting brackets.

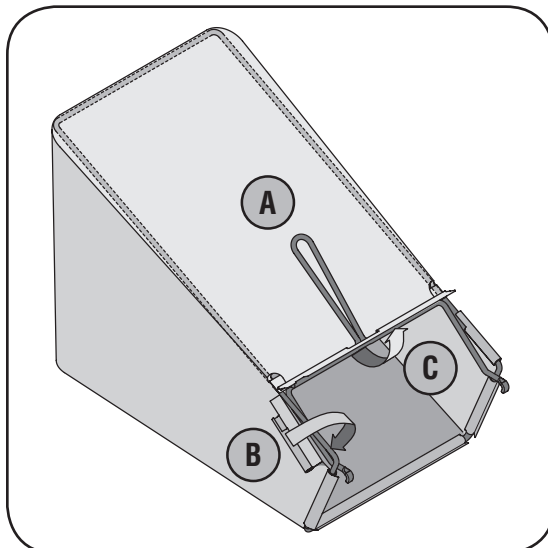


Figure 3-3: Assemble the grass catcher.

IMPORTANT: Be certain to charge the battery for at least 14 hours before operating your mower. Refer to Operation section.

1. Remove any packing material which may be between upper and lower handles.
 - a. Loosen each hand knob found on the inside of the upper handle.
 - b. Gently lift and pivot the upper handle into the operating position as shown in Figure 3-1.
 - c. Remove star knobs from handle mounting brackets and secure the lower handle onto the handle brackets by placing the lower hole of the lower handle onto the pins of the handle brackets.
 - d. Secure the upper handle and lower handle by tightening the hand knobs. Each carriage bolt must be seated properly into the square hole found in the plastic connector.
2. Tighten star knobs securing lower handle to handle brackets. See Figure 3-2. Make certain the lower handle is seated securely into the handle mounting brackets.
3. Follow steps below to assemble the grass catcher (if needed). Make certain bag is turned right side out before assembling (warning label will be on the outside).
 - a. Place bag over frame so that its black plastic side is at the bottom.
 - b. Slip plastic channel of grass bag over hooks on the frame. See Figure 3-3. All the plastic channels except center top of bag attach from outside of bag.
 - c. Attach center top of bag from inside of bag.
4. Follow steps below to attach the grass catcher:
 - a. Lift rear discharge door.
 - b. Remove mulching baffle. See Figure 3-4.

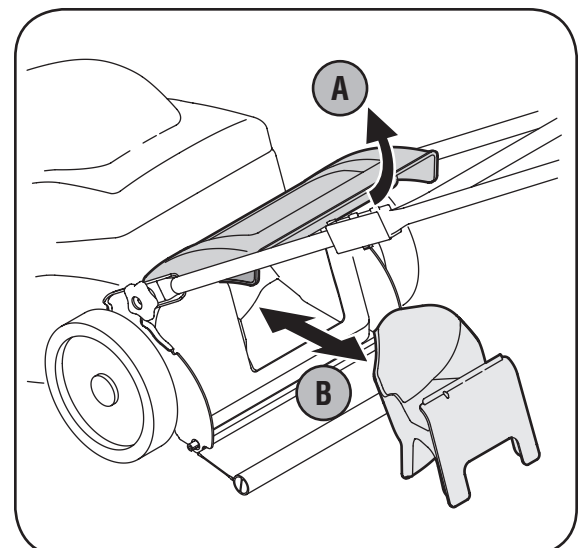


Figure 3-4: Removing mulching baffle.

- c. Place grass catcher on the pivot rod. Let go of discharge door so that it rests on the grass catcher. See Figure 3-5.

To remove the grass catcher, lift the rear discharge door on the mower. Lift the grass catcher up, off of the pivot rod. Release the rear discharge door.

5. To convert to side discharge, make sure grass catcher is off of the unit. Replace the rear mulching baffle and close rear discharge door. To discharge grass to the side:
 - a. Lift mulching plug on the right side of mower.
 - b. Slide two hooks of side discharge chute under the hinge pin on the mulching plug assembly and lower the side mulching plug. See Figure 3-6.

NOTE: Do not remove the side mulching plug at any time, even when you are not mulching.

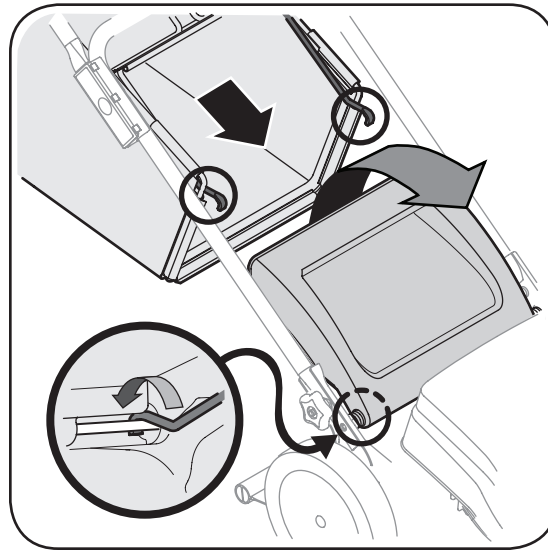


Figure 3-5: Attach the grass catcher.

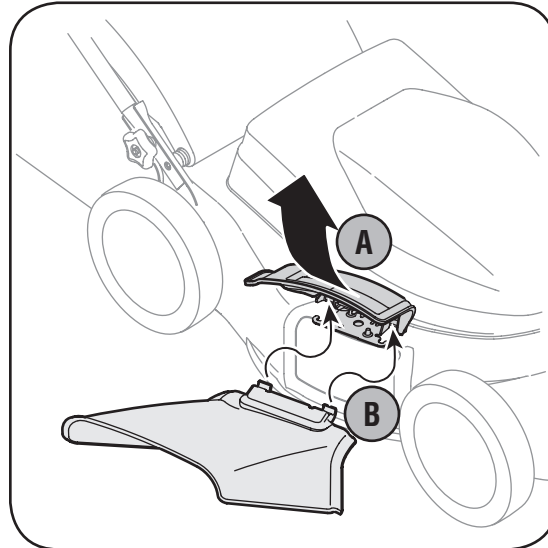


Figure 3-6: Converting to side discharge.

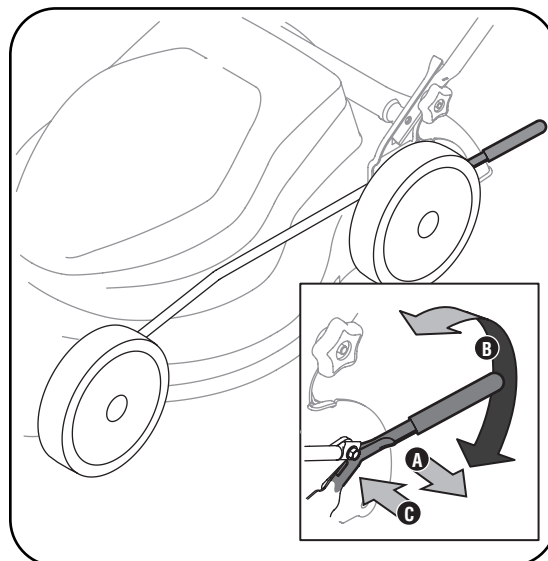


Figure 3-7: Use adjustment levers to change height.

3

Setup and Adjustment



WARNING

Never operate mower unless the hooks on the grass catcher are firmly seated on the pivot rod and the rear discharge door rests firmly against top of the grass catcher.

Do not at any time make any adjustment to lawn mower without first stopping motor and removing key.



WARNING: Never operate mower unless the hooks on the grass catcher are firmly seated on the pivot rod and the rear discharge door rests firmly against top of the grass catcher.

Adjustments

1. The cutting height adjustment lever is located above the rear left wheel. See Figure 3-7.
 - a. Pull the lever out and away from the mower.
 - b. Move the lever forward or back for desired cutting height.
 - c. Release lever towards mower deck.



WARNING: Do not at any time make any adjustment to lawn mower without first stopping motor and removing key.

4

Operating Your Lawn Mower



WARNING

The motor/ blade control handle is a safety device. DO NOT bypass its operations.

The blade will be rotating whenever the motor is running.

The battery 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. Use in a well ventilated area, away from sources of ignition.

Know Your Lawn Mower

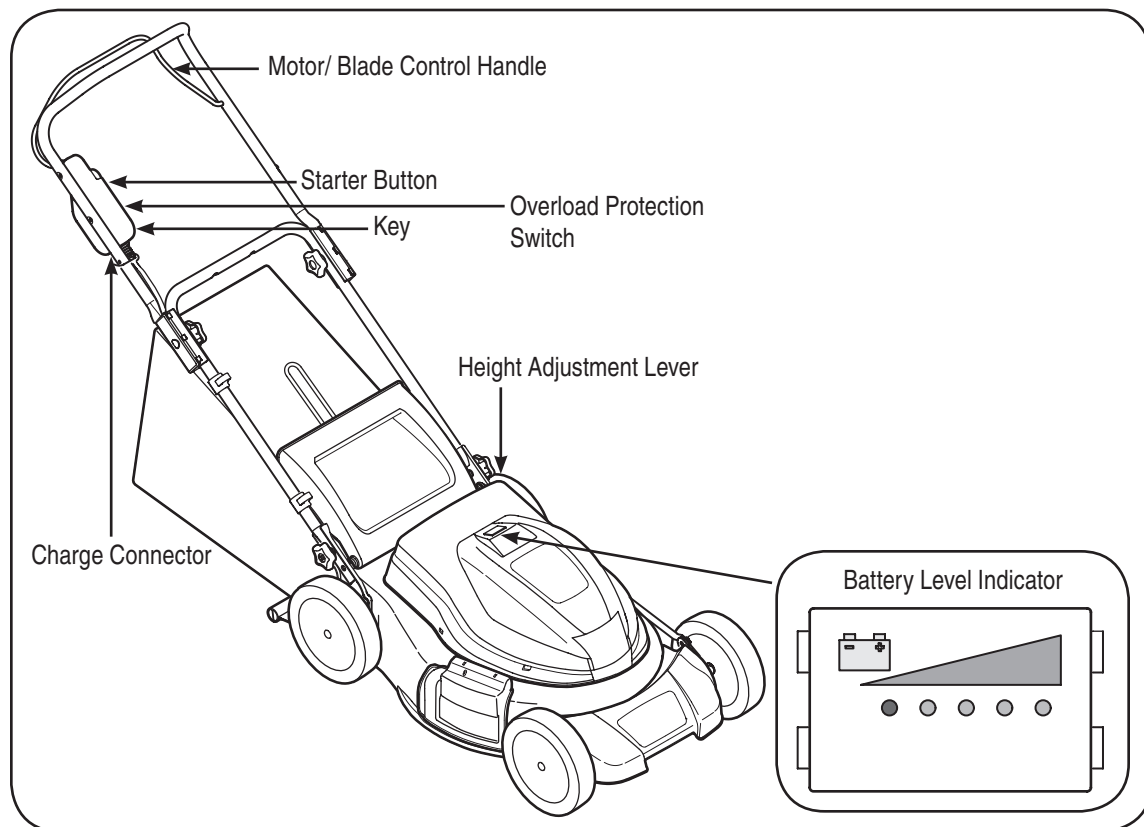


Figure 4-1: The main components on the mower.

Now that you have setup your lawn mower, its important to become acquainted with its controls and features.

Motor/Blade Control Handle



WARNING: The motor / blade control handle is a safety device. Never attempt to bypass its operations.

The motor/blade control handle is located on the upper handle of the mower. See Figure 4-1. The motor/blade control handle engages and disengages the motor and blade. The motor blade control consists of three parts - starter button, motor/blade control handle, and key.

Release the motor/blade control handle to stop the motor and blade. Remove the key to prevent accidental starting when equipment is unattended.



WARNING: The blade will be rotating whenever the motor is running.

Height Adjustment Lever

The cutting height adjustment lever is located above the left rear wheel. To adjust the cutting height, refer to the Setup & Adjustment Section.

Battery Level Indicator

The battery level indicator is located on the motor cover. The indicator shows the condition of the battery and is on when the motor is on. The indicator lit all the way

to the right indicates the battery is fully charged; as the indicator is lit more toward the left, it indicates the battery is discharging. See Figure 4-1 inset.

IMPORTANT: If the far left red light illuminates, the batteries will need to be recharged before further use. Continued operation before charging may shorten the life of the batteries.

Overload Protection Switch

The mower is equipped with a overload protection switch, located on the motor/blade control. Refer to Figure 4-1. This overload protection switch may pop out when too much strain is placed on the motor. Refer to Maintenance Section to reset this switch.

Key

The key must be present and inserted before the motor can be started.

Charging the Battery



WARNING: The battery 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. Use in a well ventilated area, away from sources of ignition.

Charge the mower for 14 hours before initial use.
Charge mower indoors in a dry area out of the weather.
DO NOT charge in rain or wet locations.

IMPORTANT: Use only the battery charger provided with this mower (Part number 725-04387).

Plug the battery charger into the mower first, and then into any standard 110/120 volt household electrical outlet. See Figure 4-2 for battery charging location on mower.

NOTE: If an extension cord is required, use one that is at least wire size 16 AWG. Connect the extension cord to charger before plugging extension cord into electrical outlet.

IMPORTANT: Always recharge mower fully. It takes 14 hours to recharge a completely discharged battery. A flashing light on the battery charger indicates battery is charging; a solid green light indicates battery is fully charged. A full charge will be achieved in less than 14 hours if the batteries were only partially discharged.

NOTE: It is recommended that the mower be charged once every two months during storage.

IMPORTANT: Always disconnect battery charger (or extension cord, if used) from the electrical outlet first, then disconnect battery charger from mower.

Starting the Mower and Blade

1. Insert key. Refer to Figure 4-3.
2. Depress starter button on the motor blade control.
3. Pull motor/blade control handle up against upper handle.
4. Release starter button.

Stopping the Motor and Blade

1. Release motor/blade control handle to stop motor and blade.



WARNING: The blade continues to rotate for a few seconds after the motor is shut off. If motor does not come to a stop when the motor/blade control handle is released, contact an authorized service dealer.

2. Remove the key to prevent accidental starting when equipment is unattended.
3. Charge the mower.

Using Your Lawn Mower



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

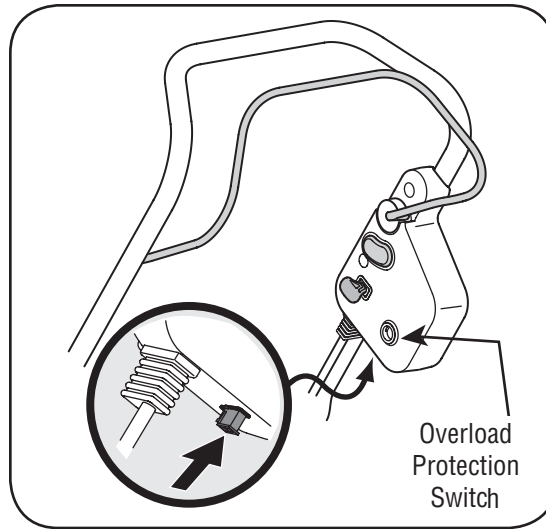


Figure 4-2: Charging the battery.

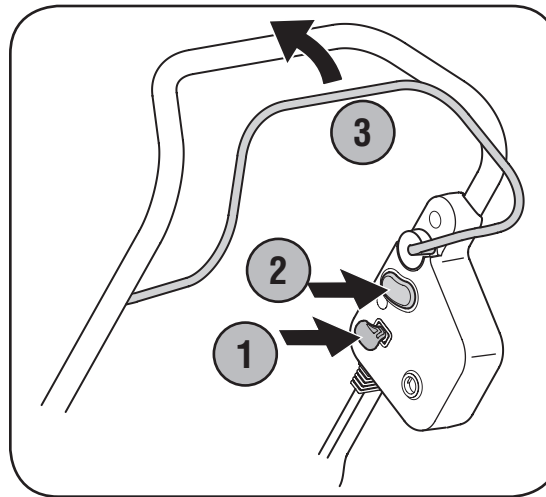


Figure 4-3: Starting the motor and blade.

- Be sure that lawn is clear of stones, sticks, wires, or other objects which could damage the lawn mower or motor. Such objects could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator and others.



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

- When using the side discharge, the most effective mowing pattern is one that allows the clippings to discharge towards the uncut part of the lawn.
- DO NOT use mower in the rain.
- For a healthy lawn, always cut off one-third or less of the total length of the grass.
- For best results, do not cut wet grass because it tends to stick to the underside of the deck preventing proper mulching or discharge of grass clippings. New or thick grass may require a narrower cut.

4

Operating Your Lawn Mower



WARNING

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

If you strike a foreign object, stop the motor, and remove the key. Thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower. Excessive vibration of the mower during operation is an indication of damage.

The unit should be promptly inspected and repaired.

5

Maintaining Your Lawn Mower



WARNING

Always stop the motor, and remove key before cleaning, lubricating or performing any repairs or maintenance on the lawn mower.

To reduce the risk of electric shock, do not expose the mower to water.

Never operate mower unless the trail shield is in place and working. Never operate mower with damaged safety devices.

Failure to do so, can result in personal injury.

Due to a potential shock hazard, DO NOT attempt to remove the motor/battery shroud. There are no user serviceable parts inside. Contact your nearest Authorized Service Center if repairs are needed.

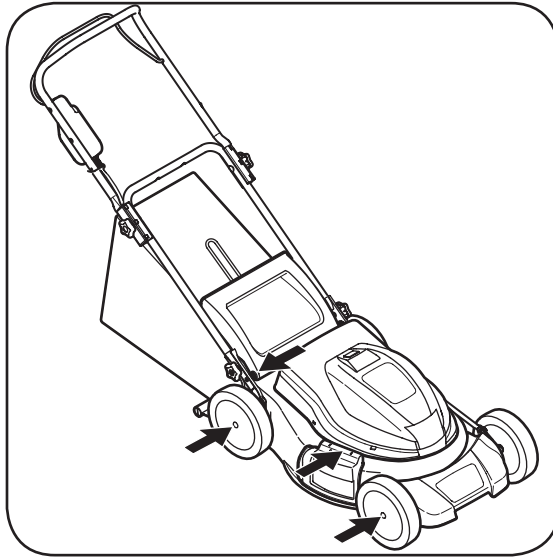


Figure 5-1: Areas to lubricate on the mower.

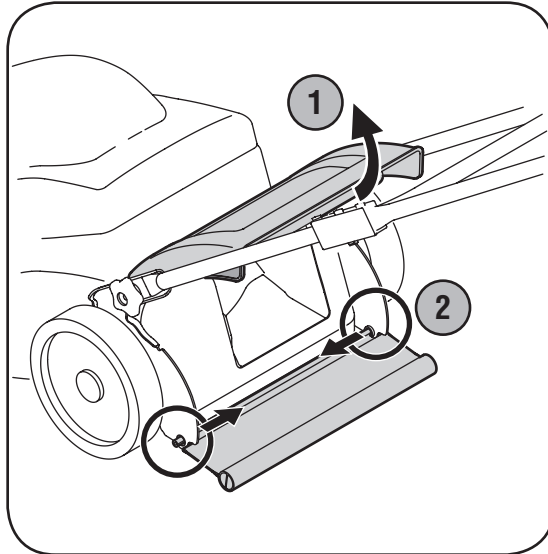


Figure 5-2: Remove the trail shield.

General Recommendations

- Always observe safety rules when performing any type of maintenance.
- The warranty on this lawn mower does not cover items that have been subjected to operator abuse or negligence. To receive full value from warranty, operator must maintain the lawn mower as instructed here.
- All adjustments should be checked at least once each season.
- Periodically check all fasteners and make sure these are tight.



WARNING: Always stop the motor and remove key before cleaning, lubricating or performing any repairs or maintenance on the lawn mower.

Lubrication

- Lubricate the wheels at least once a season with light oil (or motor oil). If wheels are removed for any reason, lubricate surface of the pivot arm and inner surface of the wheel with light oil. See Figure 5-1.
- Lubricate the torsion spring and pivot point on the rear discharge door and side mulch plug periodically with light oil to prevent rust. See Figure 5-1.

Deck Care



WARNING: To reduce the risk of electric shock, do not expose the mower to water.

The underside of mower deck should be cleaned after each use as grass clippings, leaves, dirt and other debris will accumulate. This accumulation of grass clippings, etc., is undesirable as it will promote rust and corrosion.

1. Remove any buildup of grass and leaves on or around the motor cover (do not use water). Wipe the mower clean with a dry cloth occasionally.
2. If debris is allowed to build up on the underside of the unit, tilt the mower and scrape it clean with a suitable tool (make certain the key is removed).

Replacing Trail Shield



WARNING: Never operate mower unless the trail shield is in place and working. Never operate mower with damaged safety devices. Failure to do so, can result in personal injury.

The trail shield is subject to wear and damage which could expose moving parts or allow objects to be thrown. For safety protection, frequently check the trail shield and replace immediately with original equipment manufacturer's (OEM) part only, listed in this manual.

1. To remove trail shield, lift rear door, and press shield in on either side to remove from hole. See Figure 5-2.
2. Remove shield from opposite hole and replace with new shield in the opposite order and manner of removal.

Resetting Overload Protection Switch

This mower is equipped with an overload protection switch to prevent overheating damage to the motor. If the overload protection switch pops out:

1. Release the motor/blade control handle and do NOT re-start the mower for at least one minute, allowing for the motor time to cool.
2. Press the overload protection switch inward to reset. See Figure 4-2 in Operation section.

If the overload protection switch pops out shortly after resetting:

1. Release the motor/blade control handle and do NOT re-start the mower for at least 15 minutes to allow the motor extra time to cool.
2. Press the overload protection switch inward to reset.
3. Restart unit.

NOTE: If the overload protection switch pops out repeatedly during operation or will not remain in when attempting to reset, contact your Authorized Service Center to arrange for repair.

Battery Care

IMPORTANT: Replace with only the identical batteries provided with this mower (Part number 725-04381). The batteries should only be replaced by an authorized service dealer.



WARNING: Due to a potential shock hazard, DO NOT attempt to remove the motor/battery shroud. There are no user serviceable parts inside. Contact your nearest Authorized Service Center if repairs are needed.

Blade Care



WARNING: When removing the cutting blade for sharpening or replacement, protect your hands with a pair of heavy gloves or use a heavy rag to hold the blade. Be certain to stop motor and remove key.

Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary. Follow the steps below for blade service.

1. Stop the motor and remove ignition key. Turn the mower on its side.
2. Use a block of wood between blade and mower deck to prevent the blade from turning when the bolt is removed.
3. Loosen and remove the blade bolt, locking plate, and blade. See Figure 5-3.

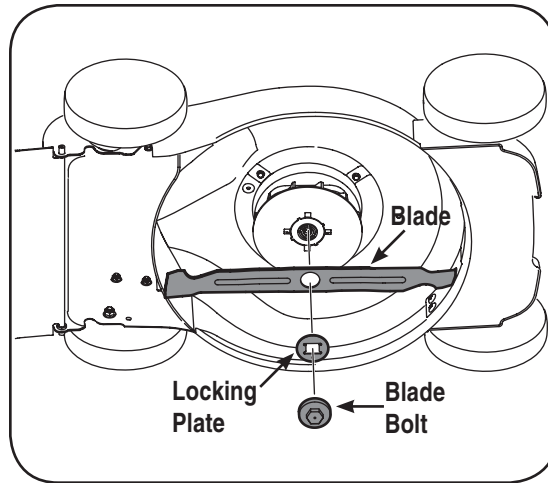


Figure 5-3: Remove blade and hardware.

4. The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen the blade while it is still on the mower. When sharpening blade, follow original angle of grind. Grind cutting edges equally to keep blade balanced.
5. Remove blade from the adapter for testing balance. Balance the blade on a round shaft screwdriver to check. Remove metal from the heavy side until it balances evenly.



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

6. Place the cutting blade, locking plate, and blade bolt on the motor shaft and thread the blade bolt in finger tight. Refer to Figure 5-3.

NOTE: Make certain to replace the parts in the exact order in which they were removed. When installing the cutting blade, be sure it is installed with the curved ends pointing towards the mower deck and not towards the ground.

7. Torque the blade bolt down using a torque wrench to assure the bolt is tightened properly. The recommended torque for the blade bolt is 170-220 in. lbs.



WARNING: The blade hardware is not only used to attach the blade assembly, but is also an insulated safety device and should never be altered in any way. If replacement is necessary, use original equipment parts as shown in the parts list.

To ensure safe operation of your mower, periodically check the blade bolt for correct torque.

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Maintaining Your Lawn Mower



WARNING

When removing the cutting blade for sharpening or replacement, protect your hands with a pair of heavy gloves or use a heavy rag to hold the blade.

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

The blade hardware is not only used to attach the blade assembly, but is also an insulated safety device and should never be altered in any way. If replacement is necessary, use original equipment parts as shown in the parts list.

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Trouble Shooting



NOTE: For repairs beyond the minor adjustments listed here, contact an authorized service dealer.

NOTE: Specifications are subject to change without notification or obligation. Images may not reflect your exact model and are for reference purposes only.

Problem	Cause	Remedy
Motor fails to start	1. Key not in switch. 2. Motor/blade control disengaged. 3. Battery discharged. 4. Mower deck clogged with grass and debris.	1. Insert Ignition key. 2. Depress starter button, and engage motor blade control. 3. Charge battery. 4. Unclog mower deck. Make certain blade is free to move.
Mower stops while mowing	1. Discharged battery. 2. Cutting too much grass. 3. Clogged deck. 4. Overload protection switch is tripped.	1. Charge battery. 2. Raise cutting height. 3. Unclog mower deck. Raise cutting height, or cut a narrower swath. 4. Reset the overload protection switch following the instructions in the Maintaining Your Lawn Mower section of this manual.
Excessive vibration	1. Cutting blade loose or unbalanced. 2. Bent cutting blade. 3. Bent motor shaft.	1. Tighten blade and adapter. Balance blade. 2. Replace blade. 3. Contact nearest authorized service center.
Mower will not mulch grass	1. Mower deck clogged. 2. Wet grass. 3. Excessively high grass. 4. Dull blade.	1. Unclog mower deck. Make certain blade is free to move. 2. Do not mow when grass is wet; wait until later to cut. 3. Mow once at a high cutting height, then mow again at desired height or make a narrower cutting swath (1/2 width). 4. Sharpen or replace blade.
Uneven cut	1. Wheels not positioned correctly. (Individual height adjusted units only) 2. Dull blade.	1. Place all four wheels in same height position. 2. Sharpen or replace blade.

Off-Season Storage

The following steps should be taken to prepare your lawn mower for storage.

- Clean and lubricate mower thoroughly as described in the lubrication instructions.
- We do not recommend the use of a pressure washer or garden hose to clean your unit.
- Store mower fully charged.

IMPORTANT: We strongly recommend the mower be charged once every two months during storage.

IMPORTANT: Always recharge mower fully. The charger is a two stage charger. The first stage, equalize, supplies a higher voltage to the batteries. This helps speed charge time and balance the charge across the individual batteries. The second stage, float, supplies a lower

voltage. This prevents the batteries from experiencing overcharging damage and also “tops off” the battery charge. Depending on battery condition the equalize stage will complete in approximately 8 hours. When the equalize stage is complete the charger’s green LED will stop blinking. This starts the float stage. During the float stage the charger’s green LED will be on continuously. The float stage will “top off” the batteries in approximately 4-6 hours, again, depending on the condition of the battery. However, a full 14 hour charge is always recommended.

- Store mower in a dry, clean area. Do not store next to corrosive materials, such as fertilizer.
- Wipe the cord to remove any stains or foreign substance such as oil.
- Coat mower’s cutting blade with chassis grease to prevent rusting.

Safety Labels Found On Your Rechargeable Lawn Mower



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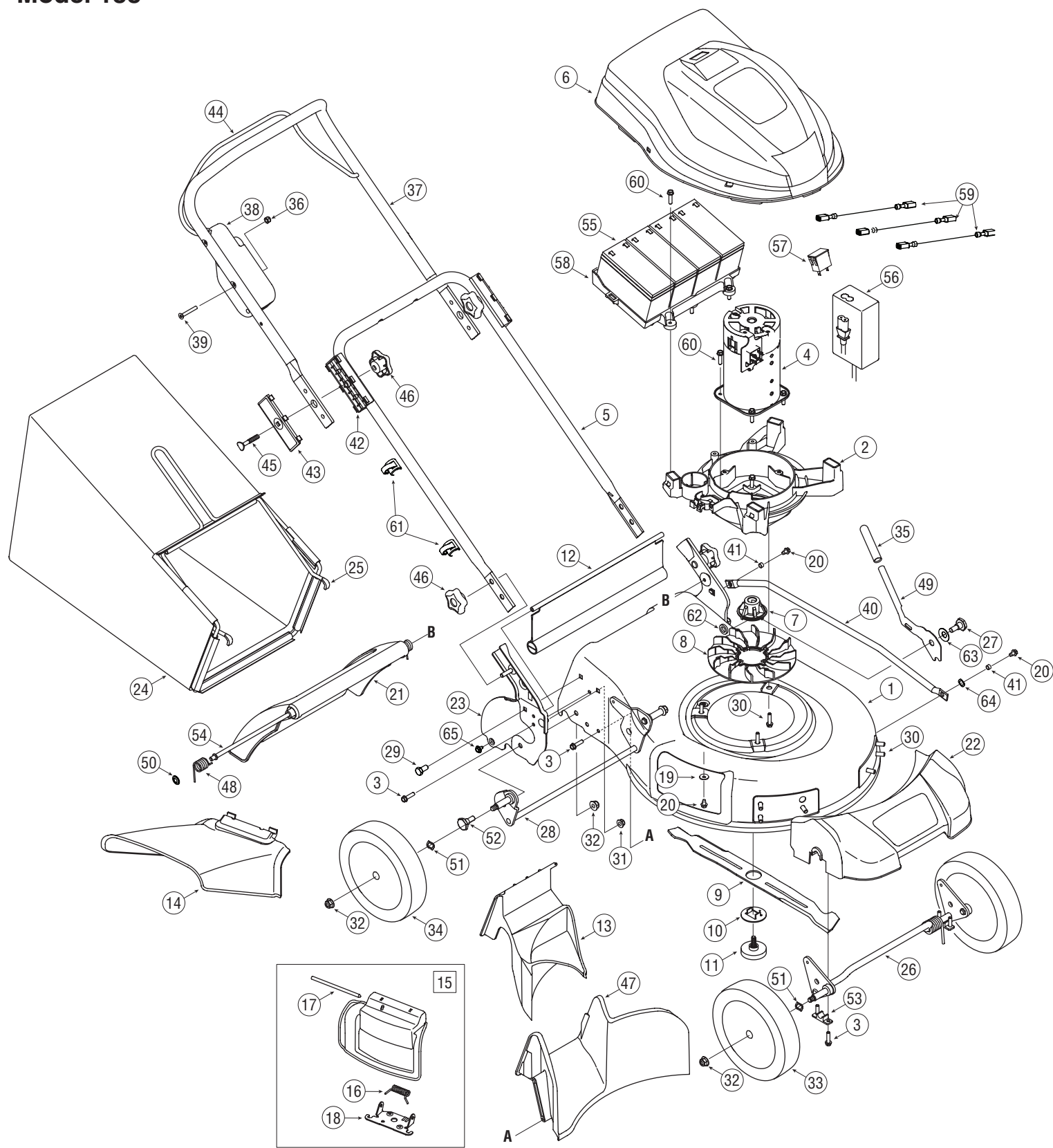
Off Season Storage and Safety Labels



WARNING

DO NOT remove safety (or any) labels from mower for any reason.

Model 188



Ref. No.	Part No.	Description
1	787-01583	19" Deck
2	731-05727	Motor Bracket
3	710-1241	Screw, 1/4-15 x 1.000
4	724-04025	Motor, 48V
5	749-04312	Lower Handle
6	731-05753	Battery Shroud
7	731-2095A	Blade Hub
8	731-05832	Electric Fan
9	742-04152	Mulching Blade
10	782-7051	Blade Locking Plate
11	624-0078	Blade Bolt Assembly
12	731-05639A	Trail Shield
13	731-05746	Rear Mulch Plug
14	731-04177	Side Discharge Chute
15	687-02055	Mulch Plug (Incl. 16-18)
16	732-1014	Torsion Spring
17	747-0710	Hinge Pin
18	17032A	Chute Deflector Adapter
19	736-0270	Beleville Washer
20	710-0599	Screw
21	731-05686	Rear Door
22	731-05634	Front Cover
23	687-02325	Handle Bracket - RH
	687-02324	Handle Bracket - LH
24	664-04066	Grass Bag
25	647-04082	Grass Bag Frame
26	687-02225	Front Bracket Assembly
27	738-0148	Screw, Shoulder, .50 x .66
28	687-02228	Rear Bracket Assembly
29	710-3025	Hhcs, 5/16-18 x .625
30	710-1242	Screw, 5/16-14 x .750
31	712-04063	Nut, Flange Lock, 5/16-18
32	712-04065	Nut, Flange Lock, 3/8-16
33	634-04346	Front Wheel

Ref. No.	Part No.	Description
34	634-04347	Rear Wheel
35	720-0230	Foam Grip
36	712-0324	Nut, Hex Lock, 1/4-20
37	749-04353	Upper Handle
38	625-04037	Motor/Blade Control
39	710-04213	Screw, Flat, 1/4-20 x 1.75
40	749-04356	Cross Bracket
41	750-04305A	Spacer, 6.60mm ID x 9mm OD
42	731-05186	Lower Handle Insulator
43	731-05178	Upper Handle Insulator
44	747-04663	Motor/Blade Control Handle
45	710-0572	Bolt Carriage, 5/16-18 x 2.50
46	720-04072	Star Knob
47	731-05710	Rear Baffle
48	732-04264	Door Torsion Spring - RH
	732-04265	Door Torsion Spring - LH
49	732-04377	Spring Lever
50	726-0201	Nut, Speed
51	736-0504	Washer, Wave, .510 x .750 x .017
52	738-0507B	Screw, Shoulder, .500 Dia. X .434
53	741-0492A	Bushing, Block, .505 Dia. X .62
54	747-04589	Rear Door Pivot Rod
55	725-04381	Battery, 12V
56	725-04387	Battery Charger
57	725-04438	Battery Level Indicator
58	731-05754	Battery Tray
59	725-04497	Battery Jumper
60	710-0895	Screw, 1/4-15 x .750
61	731-2422	Cable Guide
62	731-05880	Spacer, .515 x 1.00 x .310 Lg.
63	736-0255	Washer, Bell, .510 x 1.14 x .040
64	736-3012A	Washer, Wave, .390 x .825 x .016
65	710-1268	Screw, #10-16 x .375

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Parts List



To order replacement parts, call the Customer Dealer Referral Line at 1-877-282-8684, or visit www.cubcadet.com to find the nearest Cub Cadet service dealer in your area.

CUB CADET LLC MANUFACTURER'S LIMITED WARRANTY FOR WALK-BEHIND MOWERS

IMPORTANT: To obtain warranty coverage owner must present an original proof of purchase and applicable maintenance records to the servicing dealer. Please see the operator's manual for information on required maintenance and service intervals.

The limited warranty set forth below is given by Cub Cadet LLC with respect to new merchandise purchased or leased and used in the United States and/or its territories and possessions, and by MTD Products Limited with respect to new merchandise purchased or leased and used in Canada and/or its territories and possessions (either entity respectively, "Cub Cadet").

Cub Cadet warrants this product (excluding its *Normal Wear Parts and Batteries*, as described below) against defects in material and workmanship for a period of three (3) years, commencing on the date of original retail purchase or lease and will, at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship.

Normal Wear Parts are warranted to be free from defects in material and workmanship for a period of thirty (30) days from the date of original purchase or lease. Normal wear parts include, but are not limited to items such as: belts, blades, blade adapters, grass bags, engine oil, air filters, spark plugs and wheels.

Batteries have a one-year prorated limited warranty against defects in material and workmanship, with 100% replacement during the first three months. After three months, the battery replacement credit is based on the months remaining in the twelve (12) month period dating back to the original date of original sale or lease. Any replacement battery will be warranted only for the remainder of the original warranty period.

This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster. Damage resulting from the installation or use of any part, accessory or attachment not approved by Cub Cadet for use with the product(s) covered by this manual will void your warranty as to any resulting damage. In addition, Cub Cadet may deny warranty coverage if the hour meter, or any part thereof, is altered, modified, disconnected or otherwise tampered with.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE AND APPLICABLE MAINTENANCE RECORDS, through your local authorized service dealer. To locate the dealer in your area:

In the U.S.A.:

Check your Yellow Pages, or contact Cub Cadet LLC at P.O. Box 361131, Cleveland, Ohio 44136-0019, call 1-877-282- 8684 or log on to our website at www.cubcadet.com.

In Canada:

Contact MTD Products Limited, Kitchener, ON N2G 4J1, call 1-800-668-1238 or log on to our website at www.mtdcanada.com.

Without limiting the foregoing, this limited warranty does not provide coverage in the following cases:

- a. Routine maintenance items such as lubricants, filters, blade sharpening, tune-ups, brake adjustments, clutch adjustments, deck adjustments, and normal deterioration of the exterior finish due to use or exposure.
- b. Service completed by someone other than an authorized service dealer.
- c. Cub Cadet does not extend any warranty for products sold or exported outside of the United States and/or Canada, and their respective possessions and territories, except those sold through Cub Cadet's authorized channels of export distribution.
- d. Replacement parts and/or accessories that are not genuine Cub Cadet parts.
- e. Transportation charges and service calls.
- f. Cub Cadet does not warrant this product for commercial use.

There are no implied warranties, including without limitation any implied warranty of merchantability or fitness for a particular purpose. No warranties shall apply after the applicable period of express written warranty above. No other express warranties beyond those mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product, shall bind Cub Cadet. The exclusive remedy is repair or replacement of the product as set forth above. The terms of this warranty provide the sole and exclusive remedy arising from the sale and/or lease of the products covered hereby. Cub Cadet shall not be liable for any incidental or consequential loss or damage including, without limitation, expenses incurred for substitute or replacement lawn care services or for rental expenses to temporarily replace a warranted product.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. **Alteration of safety features of the product shall void this warranty.** You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser or to the person for whom it was purchased as a gift.

HOW LOCAL LAWS RELATE TO THIS WARRANTY: This limited warranty gives you specific legal rights, and you may also have other rights that vary in different jurisdictions.

**Cub Cadet LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019, Phone: 1-877-282-8684
MTD Products Limited, Kitchener, ON N2G 4J1, Phone: 1-800-668-1238**