

JOHN DEERE
AG & TURF DIVISION

Walk Greens Mower
180 E-Cut Hybrid
220 E-Cut Hybrid

OMTCU32639 B2

OPERATOR'S MANUAL



JOHN DEERE

⚠ WARNING: The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

California Proposition 65 Warning

North American Version
Printed in U.S.A.

Introduction

Thank You for Purchasing a John Deere Product

We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

Using Your Operator's Manual

This manual is an important part of your machine and should remain with the machine when you sell it.

Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Knowing how to operate this machine safely and correctly will allow you to train others who may operate this machine.

If you have an attachment, use the safety and operating information in the attachment operator's manual along with the machine operator's manual to operate the attachment safely and correctly.

This manual and safety signs on your machine may also be available in other languages (see your authorized dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions. A convenient index located at the end of this book will help you to find needed information quickly.

The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand our instructions.

RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line (-----), the item referred to is hidden from view.

Before delivering this machine, your dealer performed a predelivery inspection to ensure best performance.

Special Messages

Your manual contains special messages to bring attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.



CAUTION: Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.

IMPORTANT: Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

Product Identification

Record Identification Numbers

Walk Greens Mower

180 E-Cut Hybrid PIN (010001-)

220 E-Cut Hybrid PIN (040001-)

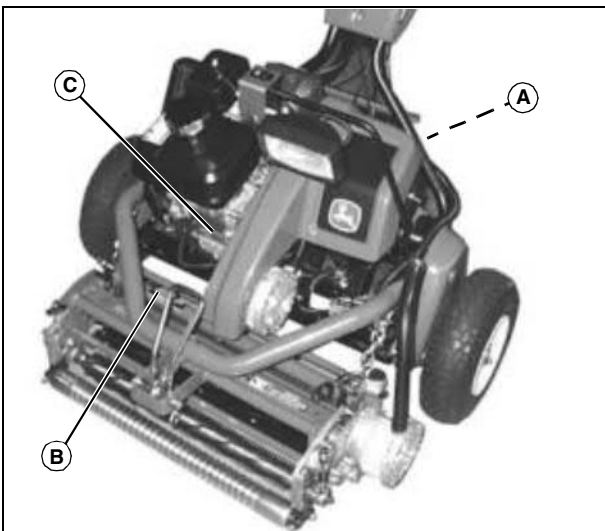
If you need to contact an Authorized Service Center for information on servicing, always provide the product model and serial number.

You will need to locate the model and serial number for the machine and for the engine of your machine and record the information in the spaces provided below.

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:



MX42308

PRODUCT IDENTIFICATION NUMBER, MOWER (A):

PRODUCT IDENTIFICATION NUMBER, REEL (B):

ENGINE SERIAL NUMBER (C):

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Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

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Original Instruction

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John Deere Ag & Turf Division

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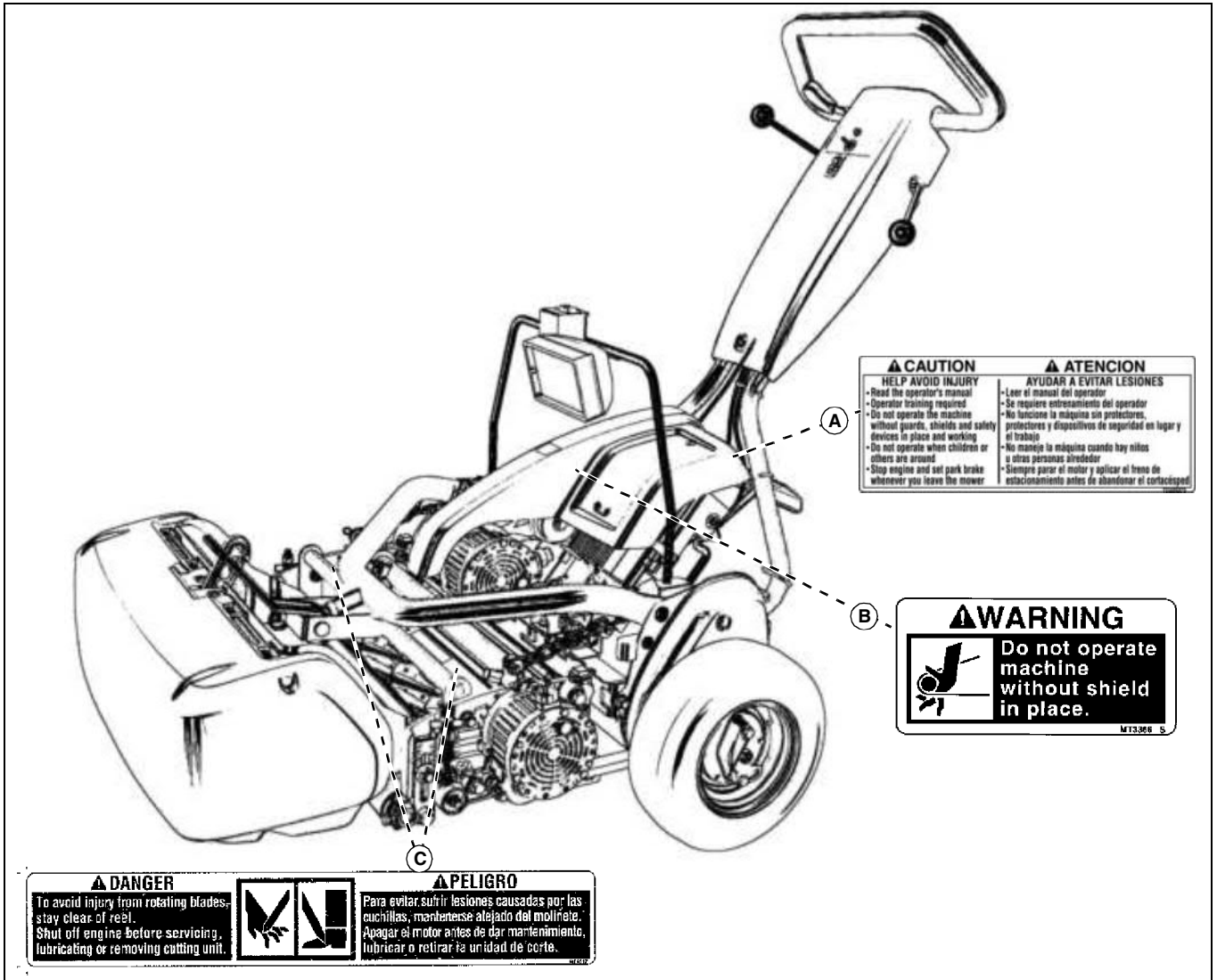
Previous Editions

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OMTCU32639 B2 -

Safety Labels

Safety Label Location



⚠ CAUTION HELP AVOID INJURY <ul style="list-style-type: none"> Read the operator's manual Operator training required Do not operate the machine without guards, shields and safety devices in place and working Do not operate when children or others are around Stop engine and set park brake whenever you leave the mower 	⚠ ATENCION AYUDAR A EVITAR LESIONES <ul style="list-style-type: none"> Leer el manual del operador Se requiere entrenamiento del operador No funcione la máquina sin protectores, protectores y dispositivos de seguridad en lugar y el trabajo No maneje la máquina cuando hay niños o otras personas alrededor Siempre parar el motor y aplicar el freno de estacionamiento antes de abandonar el cortacésped
--	--

⚠ WARNING  Do not operate machine without shield in place. <small>MT3366 S</small>

⚠ DANGER To avoid injury from rotating blades, stay clear of reel. Shut off engine before servicing, lubricating or removing cutting unit.	 	⚠ PELIGRO Para evitar sufrir lesiones causadas por las cuchillas, manténgase alejado del molinete. Apagar el motor antes de dar mantenimiento, lubricar o retirar la unidad de corte.
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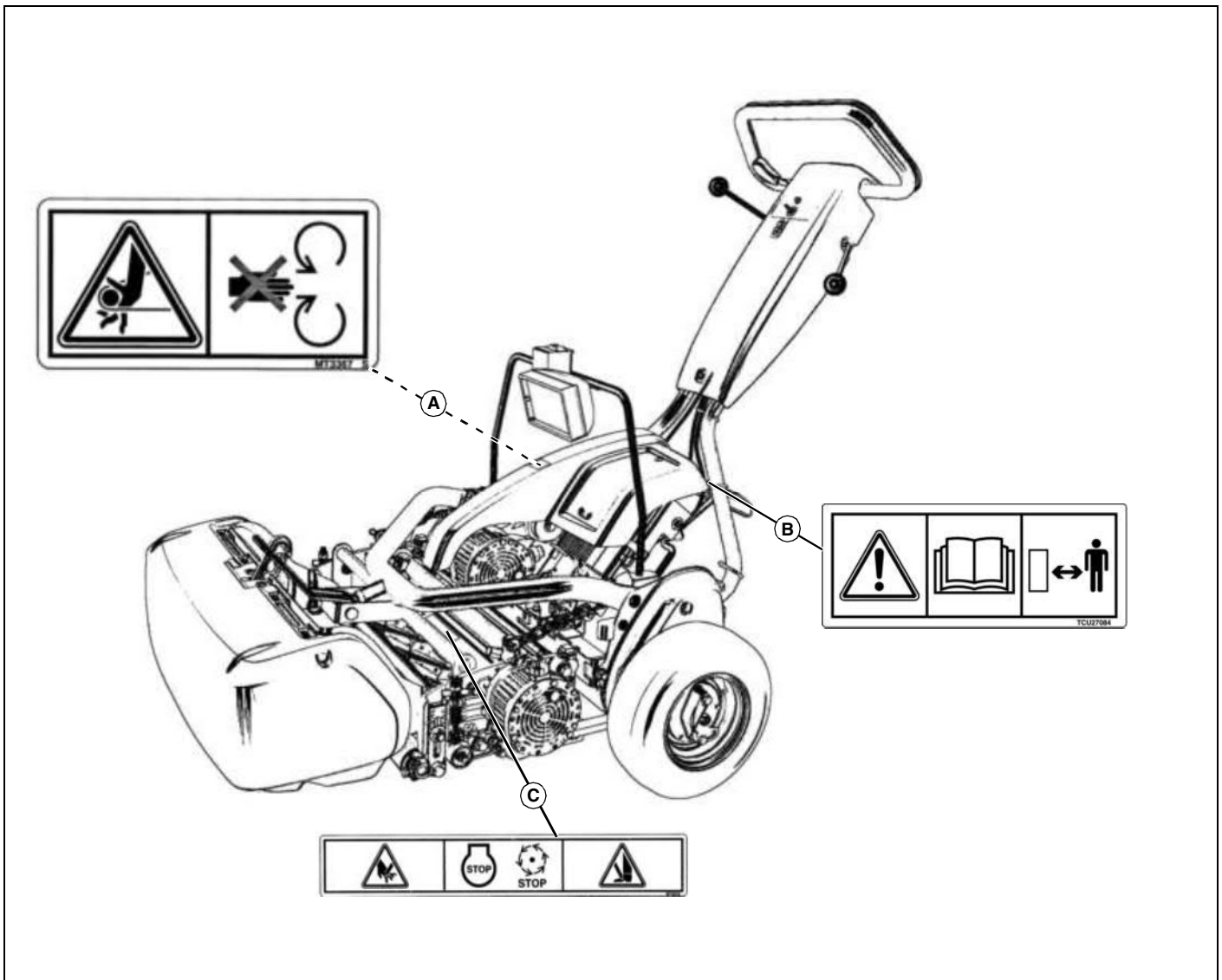
MX42307

Picture Note: Use label number listed in table below to locate complete text of safety label message following this illustration. Pictorial labels are required for certain parts of the world. Your machine may not be equipped with these labels.

- A - CAUTION TCU25373
- B - WARNING MT3366
- C - DANGER MT6517

Safety Labels

Safety Label Location



MX42307

Picture Note: Use label number listed in table below to locate complete text of safety label message following this illustration. Pictorial labels are required for certain parts of the world. Your machine may not be equipped with these labels.

- A - WARNING MT3367**
- B - CAUTION TCU27084**
- C - DANGER MT6732**

information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown in this Safety section.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

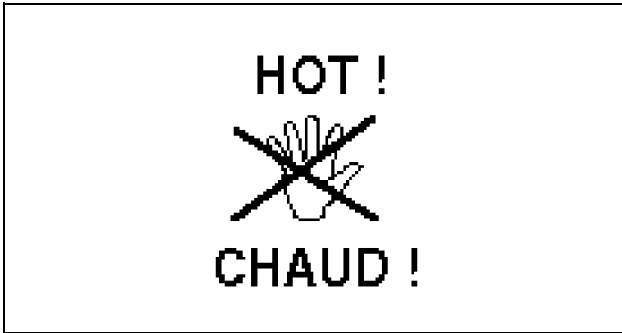


Pictorial Safety Signs

At several important places on this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides

Safety Labels

Warning



- Hot surface

Warning

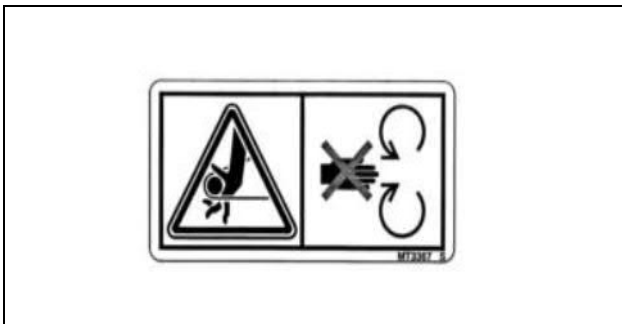


MT3366

- Do not operate machine without shield in place.

Warning MT3367

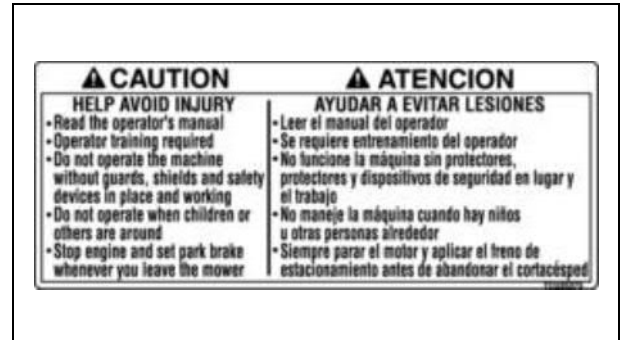
Keep All Shields In Place



MT3367

- Do not operate machine without shield in place.

Label TCU25373 Caution Avoid Injury

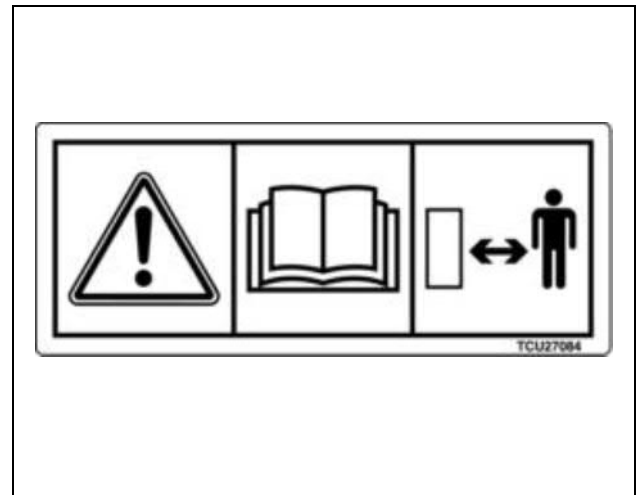


TCU25373

Help Avoid Injury

- Read the operator's manual.
- Operator training required.
- Do not operate the machine without guards, shields and safety devices in place and working.
- Do not operate when children or others are around.
- Stop engine and set park brake whenever you leave mower.

Warning TCU27084



TCU27084

Help Avoid Injury

- Read operator's manual for operating and training instructions.
- Keep shields in place.
- Keep people a safe distance away.
- Maintain all safety devices.
- Stop engine whenever you leave the mower.

Safety Labels

Danger MT6517

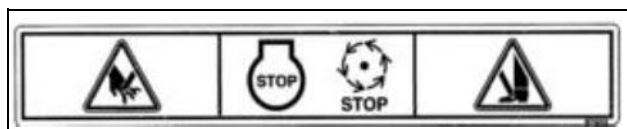


MT6517

- To avoid injury from rotating blades, stay clear of reel.
- Shut off engine before servicing, lubricating or removing cutting unit.

Danger - MT6732

Avoid Injury From Rotating Blades



MT6732

- Keep hands and feet away from rotating blades.
- Shut off engine before servicing, lubricating or removing cutting units.

Emission Control System Certification Label

NOTE: Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by EPA and/or CARB authorized service centers. Contact your John Deere Retailer concerning emission controls and component questions.

The presence of an emissions label signifies that the engine has been certified with the United States Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB).

The emissions warranty applies only to those engines marketed by John Deere that have been certified by the EPA and/or CARB; and used in the United States and Canada in off-road mobile equipment.

Emission Compliance Period

If your engine has the emission compliance category listed on the emission control system certification or air index label, this indicates the number of operating hours for which the engine has been certified to meet EPA and/or CARB emission requirements. The following table provides the

engine compliance period in hours associated with the category found on the certification label.

Agency	Category	Hours
EPA	C	125
EPA	B	250
EPA	A	500
CARB	Moderate	125
CARB	Intermediate	250
CARB	Extended	500

Certification

Your product has been certified for compliance with American National Standards Institute B-71.4-2004, Safety Specifications for Commercial Turf Care Equipment.

Safety

Operator Training Required

- Read the operator's manual and other training material. If the operator or mechanic cannot read English, it is the owner's responsibility to explain this material to them. This publication is available in other languages.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- All operators and mechanics should be trained. The owner of the machine is responsible for training the users.
- Never let children or untrained people operate or service the equipment. Local regulations may restrict the age of the operator.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, or property.
- Operate the machine in an open, unobstructed area under the direction of an experienced operator.

Preparation

- 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 manufacturer.
- Wear appropriate clothing including hard hat, safety glasses and hearing protection. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Inspect the area where the equipment is to be used and remove all objects such as rocks, toys and wire which can be thrown by the machine.
- Use extra care when handling gasoline and other fuels. They are flammable and vapors are explosive.
 - a. Use only an approved container.
 - b. Never remove gas cap or add fuel when engine is running. Do not smoke.
 - c. Never refuel or drain the machine indoors.
- Check that the operator's presence controls, safety switches and shields are attached and functioning properly. Do not operate unless they are functioning properly.

Operating Safely

- Never run an engine in an enclosed area where dangerous carbon monoxide fumes can collect.
- Only operate in good light, keeping away from holes and hidden hazards.
- Be sure all drives are in neutral and parking brake is

engaged before starting engine. Only start engine from the operator's position.

- Be sure of your footing while using pedestrian-controlled equipment, especially when backing up. Walk, don't run. Never operate on wet grass. Reduced footing could cause slipping.
- Slow down and use extra care on hillsides. Be sure to travel in the recommended direction on hillsides. For this machine, mow across hillsides, not up and down. Turf conditions can affect the machine's stability. Use caution while operating near drop-offs.
- Slow down and use caution when making turns and when changing directions on slopes. Stop blades if not mowing.
- Stop the blades if the mower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the mower to and from the area to be mowed.
- Never operate with guards not securely in place. Be sure all interlocks are attached, adjusted properly, and functioning properly.
- Do not change the engine governor settings or overspeed the engine. Operating an engine at excessive speed can increase the hazard of personal injury.
- Stop on level ground, disengage drives, engage parking brake, and shut off engine before leaving the operator's position for any reason including emptying the grasscatchers or clearing blockages.
- Stop equipment and inspect reels after striking objects or if an abnormal vibration occurs. Make necessary repairs before resuming operations.
- Keep hands and feet away from the cutting units.
- Look behind and down before backing up to be sure of a clear path.
- Do not operate the machine while under the influence of alcohol or drugs.
- Use care when loading or unloading the machine into or off of a trailer or truck.
- Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Never pick up or carry a mower while the engine is running.
- Stop machine if anyone enters the area.
- Use only accessories and attachments approved by the manufacturer of the machine.

Safety

- Do not wear radio or music headphones. Safe service and operation requires your full attention.

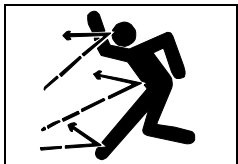
7. Remove the spark plug wire (for gasoline engines) before servicing the machine.

Using a Spark Arrestor

The California Public Resources Code, section 4442.5 provides as follows:

No person shall sell, offer for sale, lease, or rent to any person any internal combustion engine subject to Section 4442 or 4443, and not subject to Section 13005 of the Health and Safety Code, unless the person provides a written notice to the purchaser or bailee, at the time of sale or at the time of entering into the lease or rental contract, stating that it is a violation of Section 4442 or 4443 to use or operate the engine on any forest-covered, brush-covered, or grass-covered land unless the engine is equipped with a spark arrestor, as defined in Section 4442, maintained in effective working order or the engine is constructed, equipped, and maintained for the prevention of fire pursuant to Section 4443. Cal. Pub. Res. Code 4442.5.

Other states or jurisdictions may have similar laws. A spark arrestor for your machine may be available from your authorized dealer. An installed spark arrestor must be maintained in good working order by the operator.



Checking Mowing Area

- Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.
- Low-hanging branches and similar

obstacles can injure the operator or interfere with mowing operation. Before mowing, identify potential obstacles such as low-hanging branches, and trim or remove those obstacles.

- Study mowing area. Set up a safe mowing pattern. Do not mow where traction or stability is doubtful.

Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage cutting unit(s).
3. Lock the park brake.
4. Stop the engine.
5. Wait for engine and all moving parts to stop before you leave the operator's station.
6. Close fuel shut-off valve, if your machine is equipped.



Avoid Injury From Contacting Blades

- Rotating cutting cylinders can cut off arms and legs, and throw objects. Failure to observe safety instructions

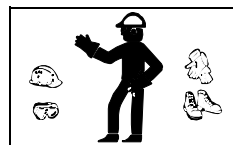
could result in serious injury or death.

- Keep hands, feet and clothing away from rotating cutting cylinders when engine is running.
- Be alert at all times, operate machine carefully. People, especially children can move quickly into the mowing area before you know it.
- Shut off cutting cylinders when you are not mowing.
- Park machine safely before leaving the operator's station for any reason including emptying the grasscatchers.
- Always wear gloves when manually rotating reel.
- Use a long-handled brush when applying reel-sharpening compound.

Rotating Blades are Dangerous - Protect Children and Prevent Accidents

Protect Children:

- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to lawn-mowing machines and mowing activity. Stay alert to the presence of children. Never assume that children will remain where you last saw them.
- Keep children indoors, out of the mowing area, and in the watchful eye of a responsible adult, other than the operator, when a mower is being operated.
- Be alert and turn mower off if a child enters the work area. They don't understand the dangers of rotating blades or the fact that the operator is unaware of their presence.



Wear Appropriate Clothing

- Always wear safety goggles, or safety glasses with side shields when operating the machine.

- Wear close fitting clothing and safety equipment appropriate for the job.

Safety

- While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.



Maintenance and Storage

- Never operate machine in a closed area where dangerous carbon monoxide fumes can collect.
- Disengage drives, lock parking

brake, stop engine and remove key or disconnect spark plug (for gas engines). Wait for all movement to stop before adjusting, cleaning or repairing.

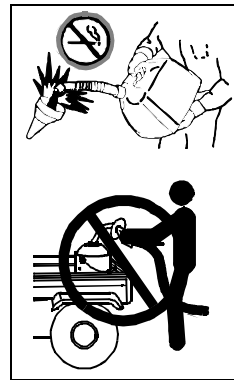
- Clean grass and debris from cutting units, drives, mufflers, and engine to help prevent fires. Clean up oil or fuel spillage.
- Let engine cool before storing and do not store near flame.
- Shut off fuel while storing or transporting. Do not store fuel near flames or drain indoors.
- Park machine on level ground. Never allow untrained personnel to service machine. Understand service procedure before doing work.
- Use jack stands to support components when required.
- Carefully release pressure from components with stored energy.
- Use care when checking cutting units. Wear gloves, and use caution when servicing cutting units.
- Only replace blades. Never straighten or weld them.
- Keep hands, feet, clothing, jewelry and long hair away from moving parts. If possible, do not make adjustments with the engine running.
- Keep all parts in good working condition and all hardware tightened. Replace all worn or damaged decals.
- Be careful during adjustment of the machine to prevent entrapment of the fingers between moving blades and fixed parts of the machine.

Prevent Fires

- Machine fires and structure fires can occur if a machine is stored before allowing it to cool, if debris is not removed from critical areas of the machine, or if machine is stored near combustible materials.
- Remove grass and debris completely from engine compartment and muffler area, and from on top of the

mower deck, before and after operating machine, especially after mowing or mulching in dry conditions.

- Empty any grasscatcher bags or containers completely before storing.
- Always shut off fuel when storing or transporting machine, if the machine has a fuel shutoff.
- Do not store machine near an open flame or source of ignition, such as a water heater or furnace.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.



Handling Fuel Safely

To avoid personal injury or property damage, use extreme care in handling fuel. Fuel is extremely flammable and fuel vapors are explosive:

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only an approved fuel container. Use only non-metal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials (ASTM). If using a funnel, make sure it is plastic and has no screen or filter.
- Never remove the fuel tank cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never add fuel to or drain fuel from the machine indoors. Move machine outdoors and provide adequate ventilation.
- Clean up spilled fuel immediately. If fuel is spilled on clothing, change clothing immediately. If fuel is spilled near machine, do not attempt to start the engine but move the machine away from the area of spillage. Avoid creating any source of ignition until fuel vapors have dissipated.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliance.
- Prevent fire and explosion caused by static electric discharge. Static electric discharge can ignite fuel vapors in an ungrounded fuel container.
- Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before fueling.
- Remove fuel-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.

Safety

- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- Never overfill fuel tank. Replace fuel tank cap and tighten securely.
- Replace all fuel container caps securely after use.
- For gasoline engines, do not use gas with methanol. Methanol is harmful to your health and to the environment.

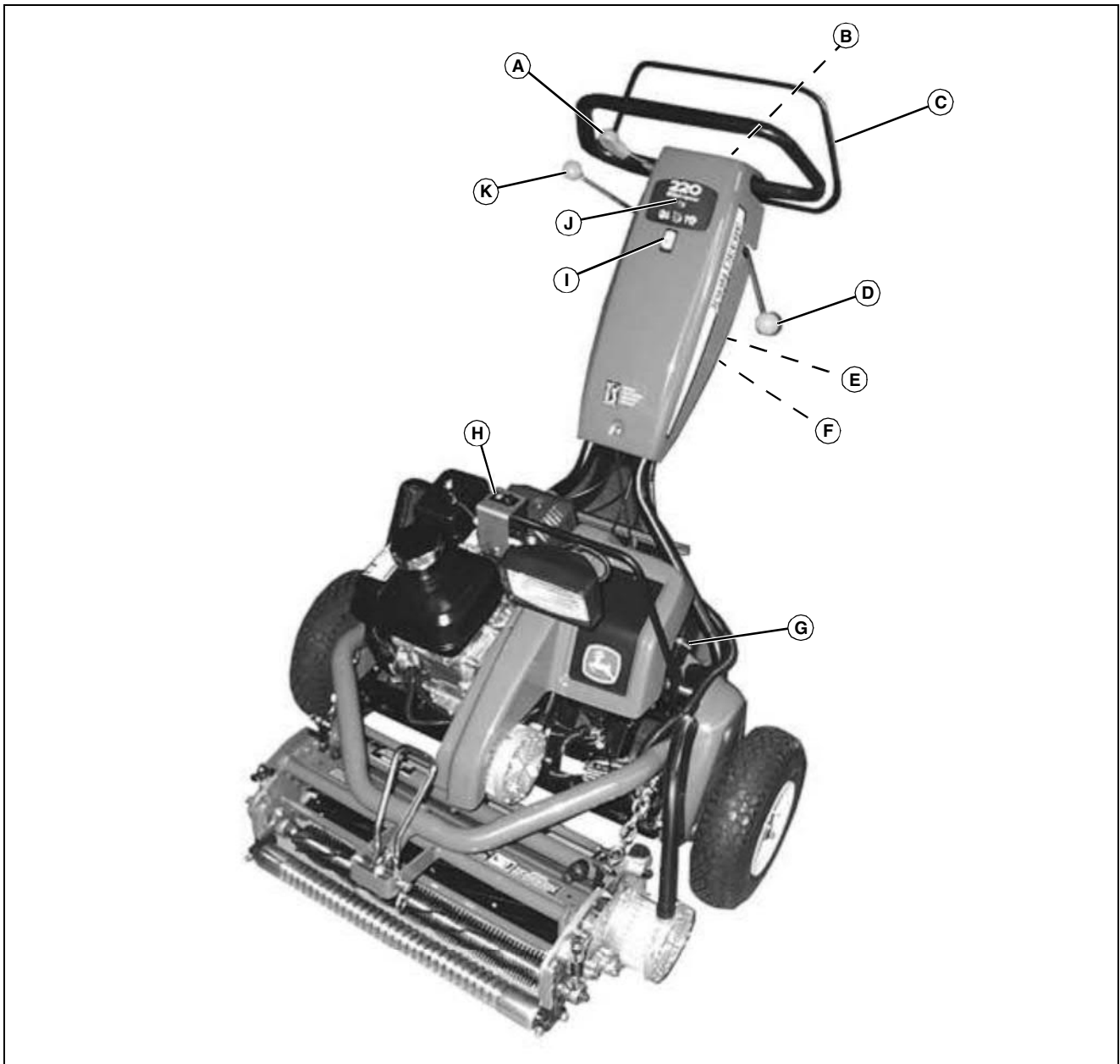
Handling Waste Product and Chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:

- Do not use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or authorized dealer to learn how to recycle or get rid of waste products.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. The seller of the chemical products used with your machine is responsible for providing the MSDS for that product.

Operating Controls

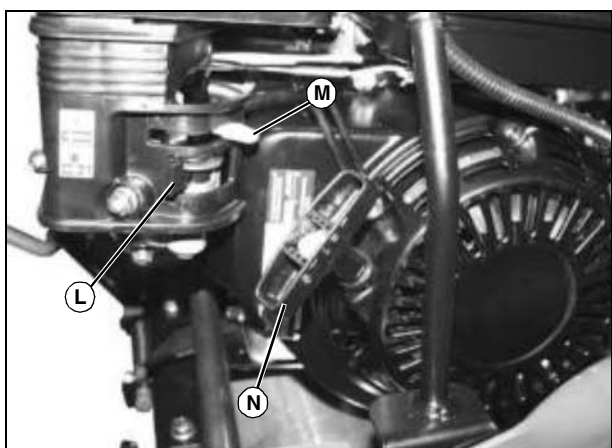
Operating Controls



MX42546

Key	Description	Key	Description
A	Throttle Lever	G	Mow/Backlap Switch
B	Diagnostic Indicator Light	H	Light Switch (Optional)
C	Operator Presence Bail	I	PTO Switch
D	Park Brake Lever	J	Run/Stop Switch
E	Frequency Of Clip (FOC) Control	K	Travel Clutch Lever
F	Hourmeter		

Operating Controls



MX42309

Picture Note: Engine Controls

Key	Description
L	Fuel Shut-Off Valve
M	Choke Lever
N	Starter Handle

Operating

Daily Operating Checklist

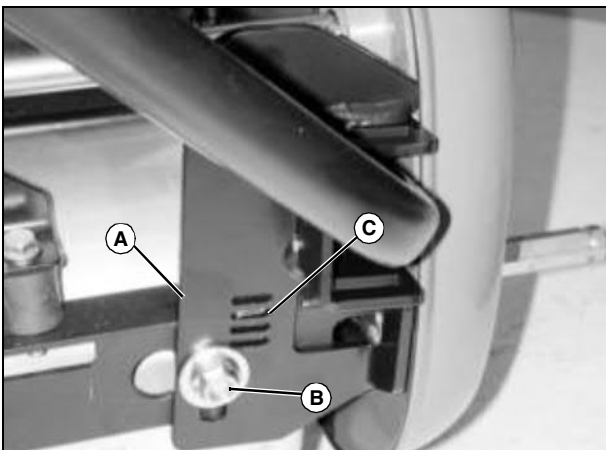
- Test safety systems.
- Check tire pressure.
- Check fuel level.
- Check engine oil level.
- Remove grass and debris from engine compartment and muffler area, and on top of cutting unit, before and after operating machine.
- Clean air intake screen.
- Check area below machine for leaks.

Avoid Damage to Plastic and Painted Surfaces

- Do not wipe plastic parts unless rinsed first. Using a dry cloth may cause scratches.
- Insect repellent spray may damage plastic and painted surfaces. Do not spray insect repellent near machine.
- Be careful not to spill fuel on machine. Fuel may damage surface. Wipe up spilled fuel immediately.
- Prolonged exposure to sunlight will damage hood surfaces.

Adjusting Handlebar Height

NOTE: Make sure bracket (A) is straight up and down, and not at an angle.



MX12973

1. Loosen nut (B) on each side of machine.
2. Move handlebar to desired position with tab (C) in one of four available slots and tighten nut (A).

Using Operator Controls

Using Run Switch

- Push run/stop toggle switch forward to run engine.
- Pull run/stop toggle switch back (toward operator) to stop engine.

Using Operator Presence Bail



CAUTION: Avoid injury! This machine is equipped with an operator presence system to protect the operator and bystanders. Do not attempt to alter the function of the operator presence system.

The operator presence bail stops the machine forward travel and cutting unit when released.

The operator presence bail when squeezed with handlebar permits engagement of the travel lever and cutting unit.

Using Travel Lever (Forward Travel)

1. Hold operator presence bail to handlebar.
2. Push travel lever forward to engage drive.
3. Release bail to stop travel.

Using Park Brake Lever

Release operator presence bail and pull brake lever back to stop mower movement.

Using Throttle Lever

Use throttle lever to adjust engine speed and rate of travel.

Pull lever back (toward operator) to reduce engine speed.

Adjust throttle lever depending on rate of travel, cutting height, and ground contour.

Using Choke Lever

Move choke lever left toward the decal for the choke position.

Using Fuel Shut-Off Valve

This unit is equipped with a 2-position fuel shut-off valve. Slide lever to the right to open or to the left to close the fuel shut-off valve.

Closed (OFF) position:

- When performing any type of service.
- When transporting.
- During storage.

Operating

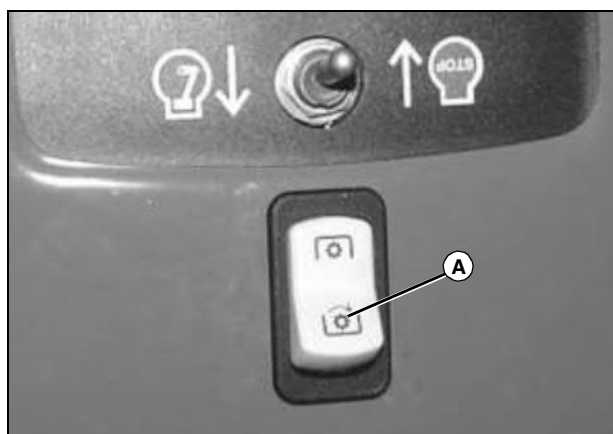
Open (ON) position:

- Fuel shut-off valve must be in the full open (ON) position for proper fuel delivery when operating the engine.

Using Mow/Backlap Switch

The Mow/Backlap switch should be in the MOW position for all mowing and transport operation. The BACKLAP position is only used during machine service. (See Backlapping Cutting Units in SERVICE section.)

Using PTO Switch



Pushing the PTO switch to the engaged (A) position will start the cutting unit for mowing operation only if all the following conditions are met:

- the operator presence bail is pushed forward and held with the handlebar.
- the parking brake is released.
- the travel lever is pushed forward into the engaged position.
- the backlap/mow switch is in MOW position.

Pushing the PTO switch to the engaged position will start the cutting unit for backlapping service only if all following conditions are met:

- the backlap/mow switch is in BACKLAP position.
- the parking brake is engaged.
- the travel lever is released.

Pushing the PTO switch to the disengaged position will stop mowing and backlapping reel rotation.

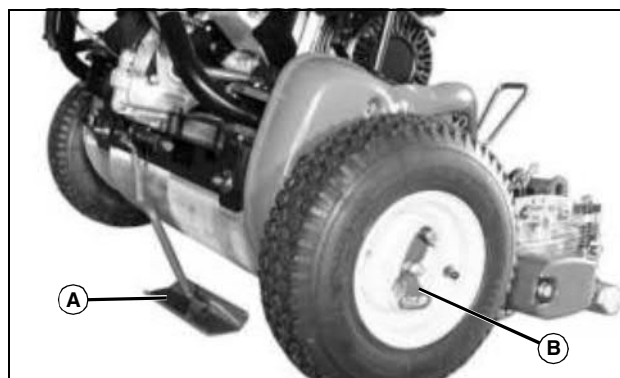
Machine Hourmeter



The machine hourmeter (A) records actual run time of the engine and is graduated in 1/10 hour intervals. It can be used to schedule service for the machine and document when service was performed.

To check the hourmeter, park machine safely (see Parking Safely in SAFETY section), engage park brake and turn PTO switch to the disengaged position. Look under handlebar to read display.

Removing Transport Wheels



1. Place machine on stand (A).
2. Release latch (B) and slide wheel from shaft. Repeat procedure for other side.

Operating

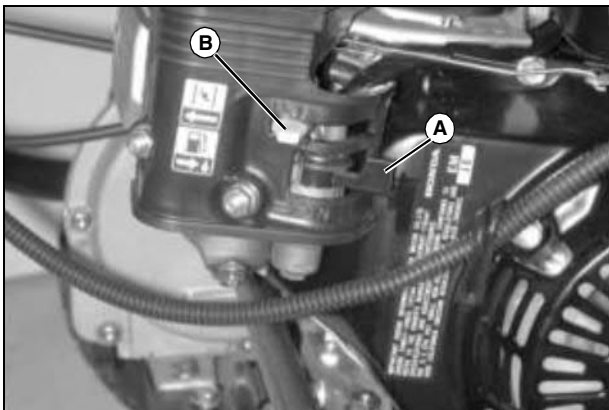
Starting the Engine



CAUTION: Avoid injury! Engine exhaust fumes contain carbon monoxide and can cause serious illness or death.

- Move the machine to an outside area before running the engine.
- Do not run an engine in an enclosed area without adequate ventilation.
- Connect a pipe extension to the engine exhaust pipe to direct the exhaust fumes out of the area.
- Allow fresh outside air into the work area to clear the exhaust fumes out.

1. Lock park brake lever.
2. Disengage drive clutches.
3. Push run/stop switch forward to the run position.
4. Move throttle lever to half open position.



MX11246

5. Turn fuel shut-off valve (A) to the ON position.
6. Set choke (B) at closed position.
7. Pull starter handle.

NOTE: If engine fails to start after three attempts, return choke to open.

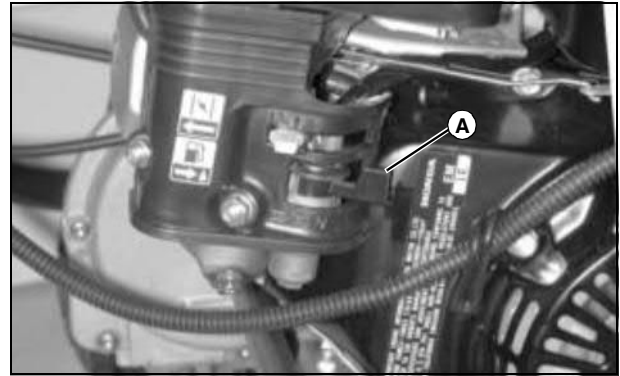
8. Move choke to the open position after engine has started.
9. Allow engine to warm up before applying load.

Stopping the Engine

1. Release operator presence bail.
2. Pull throttle lever all the way back (toward operator). Let engine idle 2-4 minutes to allow engine to cool down.

NOTE: If mower will not be used for a long period, close fuel shut-off valve (A) and allow engine to run until remaining fuel in carburetor is exhausted and engine stops running (The engine will continue to run for a few minutes).

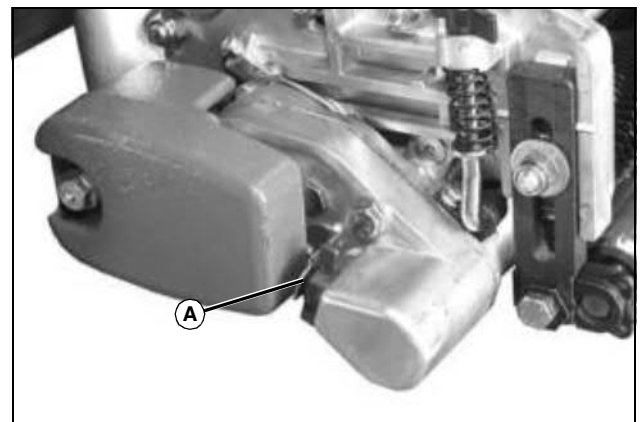
3. Pull run/stop switch back (toward operator) to STOP position.



MX11246

4. Turn fuel shut-off valve (A) to the OFF position.

Operating Turf Conditioner or Rotary Turf Brush (Optional)



MX42311

The rotary brush is controlled by a knob (A) on the cutting unit gearcase.

NOTE: Before operating, always release the operator presence bail, engage the park brake, and place the PTO switch into the disengaged position. Verify the reel has completely stopped spinning.



Suggest:

If the above button click is invalid.

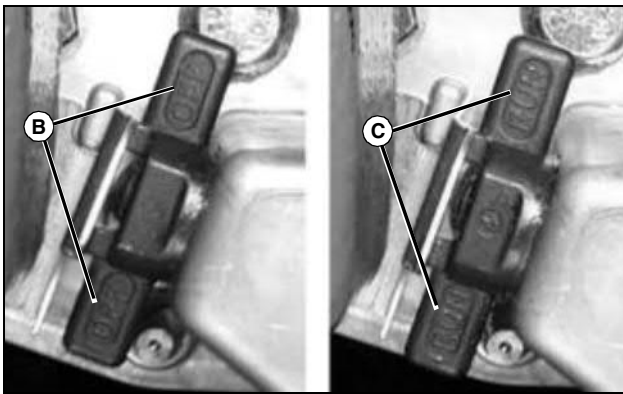
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to download the complete manual.

Thank you so much for reading

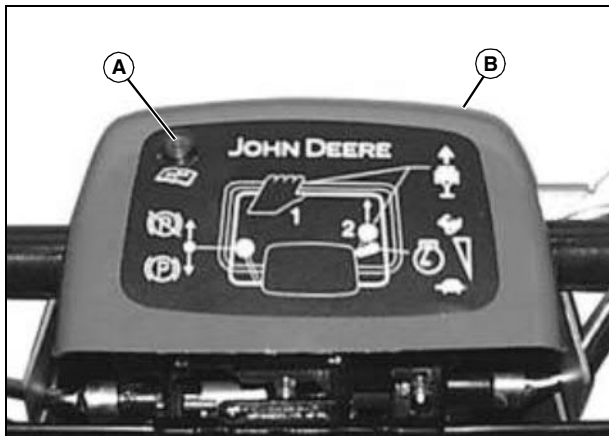
Operating



MX42692

- The turf conditioner or rotary turf brush is not engaged (neutral) when the control knob is placed in a vertical position and the word OFF (B) is visible on both ends.
- To engage the turf condition or rotary turf brush, rotate the knob 180° until the word RUN (C) is visible on both ends.

E-Cut Hybrid System Operation



MX42514

After starting engine, the diagnostic indicator light (A) on the handlebar cover (B) will illuminate momentarily (one quick flash, followed by a 2-3 second flash). This indicates the E-Cut Hybrid 48-Volt System controller has been activated.

If the E-Cut Hybrid System controller detects an abnormal condition or malfunction during operation of the machine, it will flash a diagnostic code number on the indicator light (A) while the engine is running. The code number will appear as one or a series of pulses, followed by a short pause and another single or series of pulses. The code or codes will continue to repeat until the engine is stopped.

NOTE: If an E-Cut Diagnostic code is displayed while the engine is running at less than full throttle, increase the throttle fully and continue machine use. If the displayed code continues, record the code (or codes)

and stop the machine. See the Service Electrical and Troubleshooting sections of this manual for additional information.

The controller may automatically shut down and stop reel rotation depending on the type of code detected. The diagnostic indicator light will display a quick flash, followed by a 2-3 second flash. The controller may be reset with the following method:

1. Turn the PTO switch to the disengaged position and then engaged position. If no codes are displayed and reel rotation is restored, continue machine operation. If the indicator light displays a quick flash, followed by a 2-3 second flash, proceed to the next step.
2. Pull the run/stop switch to STOP position to stop the engine. Push the run/stop switch to the run position, start the engine and engage the cutting unit. If no codes are displayed and reel rotation is restored, continue machine operation.

If any code is displayed or reel rotation cannot be restored, stop the machine. See the Service Electrical and Troubleshooting sections of this manual for additional information.

Frequency of Clip (FOC) Adjustment



MX42458

Reel speed can be adjusted depending on the type of application for your greensmower, the type of cutting unit used and grass and height conditions. Adjust the FOC control (A) as required for your specific application. (See Adjusting Frequency of Clip in the SERVICE section.)

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