

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

John Deere Ultimate Series Tractors
X700, X720, X724, X728, X729
Ultimate Series
OMM162947 G0
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
Litho 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.

Attachments for Your Machine

There's a John Deere attachment or kit to make your new machine perform more tasks or be more versatile, whether your machine is a lawn tractor or compact utility tractor or a utility vehicle.

You can check out the entire line of attachments for your machine at JohnDeere.com or ask your John Deere dealer. From aerators to electric lift kits to tillers, there's a John Deere attachment or kit to fill every need.

PRODUCT IDENTIFICATION

Record Identification Numbers

Ultimate™ Series Tractors

X700, X720, X724, X728, X729 PIN (060001-)

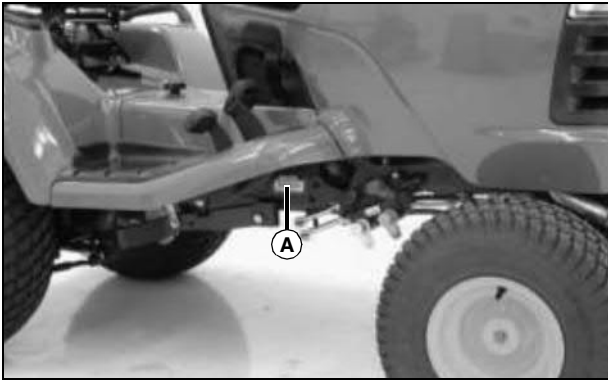
If you need to contact an Authorized Service Center for information on servicing, always provide the product model and serial number.

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:

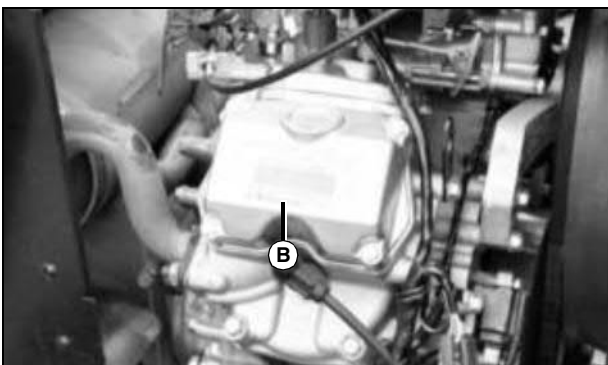
DEALER NAME:

DEALER PHONE:



MX13553

PRODUCT IDENTIFICATION NUMBER (A):



MX35710

ENGINE SERIAL NUMBER (B):

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Original Instruction

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John Deere Worldwide Commercial and Consumer Equipment Division

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Previous Editions

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OMM162947 G0 - English

SAFETY LABELS

Safety Label Location

TRACTION ASSIST

LOWER
RAISE
FLIGHT
LOWER
RAISE

Assembled by John Deere in Waterloo, IA USA

CRUISE

CRUISE ON
• Depress Forward Pedal
• Raise Latch
CRUISE OFF
• Depress Forward Pedal or Brake Pedal

BRAKE

FWD REV
PARK BRAKE
• Depress brake
• Raise latch
• Depress brake
• Lower latch

ROTATING BLADES CUT OFF ARMS AND LEGS

• Do not mow when children or others are around.
• Do not mow in reverse.
• Lock, stores and behind before and while backing up.
• Never carry children even with blades off.

AVOID SERIOUS INJURY OR DEATH

• Read operator's manual.
• Drive up and down slopes, not across.
• Avoid sudden turns.
• Avoid slopes (beliefs for operating conditions and machine capabilities). Slope grade is marked.
• If traveling down going uphill, stop blades and lock down slowly.
• Keep safety devices (guards, shields and switches) in place and working.
• Remove objects that can be thrown by blade.
• When leaving machine:
• Stop engine. Set park brake. Remove key.

LIFT ADJUST STOP

Adjust with implement in raised position.

LOWER HIGHER

TRACTION ASSIST

LOWER
RAISE
FLIGHT
LOWER
RAISE

Assembled by John Deere in Waterloo, IA USA

CRUISE

CRUISE ON
• Depress Forward Pedal
• Raise Latch
CRUISE OFF
• Depress Forward Pedal or Brake Pedal

BRAKE

FWD REV
PARK BRAKE
• Depress brake
• Raise latch
• Depress brake
• Lower latch

ROTATING BLADES CUT OFF ARMS AND LEGS

• Do not mow when children or others are around.
• Do not mow in reverse.
• Look down and behind before and while backing up.
• Never carry children even with blades on.

AVOID SERIOUS INJURY OR DEATH

• Read operator's manual.
• Drive up and down slopes, not across.
• Avoid sudden turns.
• Avoid slopes (beliefs for operating conditions and machine capabilities). See operator's manual.
• If traveling down going uphill, stop blades and back down slowly.
• Keep safety devices (guards, shields and switches) in place and working.
• Remove objects that can be thrown by blade.
• When leaving machine:
• Stop engine. Set park brake. Remove key.

LIFT ADJUST STOP

Adjust with implement in raised position.

LOWER HIGHER

WARNING

AVOID INJURY from

- Keep all shields in place and working
- Keep hands, feet and clothing away from moving parts
- Operate only with seat belt fastened

DANGER

SHIELD EYES FROM EXPLOSIVE GASES CAN CAUSE BLINDNESS OR INJURY

DO NOT

- SPARK
- FLAMES
- SMOKING

SULFURIC ACID CAN CAUSE BLINDNESS OR SEVERE BURNS

CAUTION

FLUSH EYES IMMEDIATELY WITH WATER. GET MEDICAL HELP IF NECESSARY.

KEEP OUT OF REACH OF CHILDREN. DO NOT TIP. KEEP VENT CAPS TIGHT AND LEVEL.

RECYCLE

WARNING

Operation of This Equipment May Create Sparks That Can Start Fires Around Dry Vegetation. A Spark Arrestor May be Required. The Operator Should Contact Local Fire Agencies For Laws or Regulations Relating to Fire Prevention Requirements.

MX41156

B - DANGER M161152 (X724 and 729 only)

C - CAUTION (MOLDED INTO MUFFLER)

D - WARNING M159705

E - DANGER M128699 (ON BATTERY)

F - WARNING M146727

Picture Note: Use label number listed in table below to locate complete text of safety label message following this illustration.

A - DANGER M161153 (X700, X720 and X728 only)

SAFETY LABELS



Understanding The Machine Safety Labels

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

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

DANGER - M161152/M161153

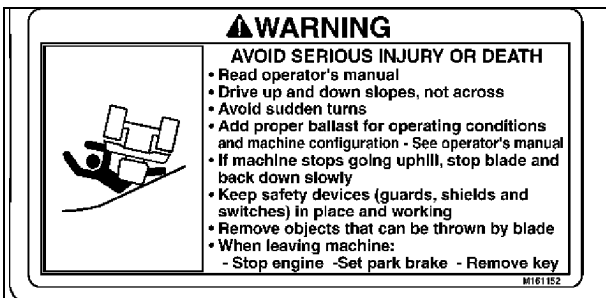


M161152, M161153

ROTATING BLADES CUT OFF ARMS AND LEGS

- Do not mow when children or others are around
- Do not mow in reverse
- Look down and behind before and while backing
- Never carry children even with blades off

WARNING - M161152/M161153



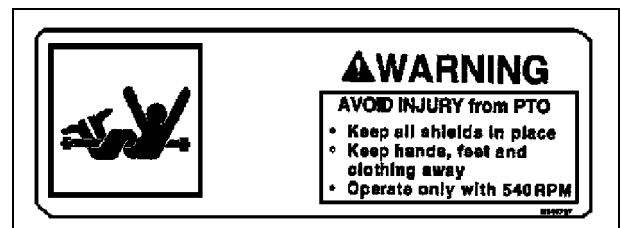
M161152, M161153

AVOID SERIOUS INJURY OR DEATH

- Read operator's manual.
- Drive up and down slopes, not across.

- Avoid sudden turns.
- Add proper ballast for operating conditions and machine configuration - See operators manual.
- If machine stops going uphill, stop blade and back down slowly.
- Keep safety devices (guards, shields, and switches) in place and working.
- Remove objects that can be thrown by blade.
- When leaving machine: Stop engine, Set park brake, Remove key.

WARNING: AVOID INJURY from PTO



M146727

- Keep all shields in place.
- Keep hands, feet and clothing away.
- Operate only with 540 RPM.

CAUTION - HOT SURFACE



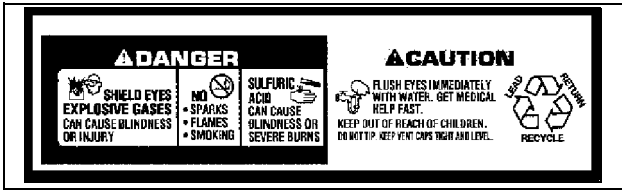
MIF

Picture Note: No-text warning molded into shield.

- Do not touch engine muffler, it may be hot.

SAFETY LABELS

DANGER M128699



M128699

Picture Note: Located on battery

- Shield eyes, explosive gases can cause blindness or injury.
- No sparks, flames, smoking.
- Sulfuric acid can cause blindness or severe burns.
- Flush eyes immediately with water. Get medical help fast.
- Keep out of reach of children.
- Do not tip.
- Keep vent caps tight and level.

Warning M159705



M159705

Picture Note: This label is required and installed on machines sold in California. This label may also be installed on machines sold in other locations.

Operation of This Equipment May Create Sparks that Can Start Fires Around Dry Vegetation. A Spark Arrestor May be Required. The Operator Should Contact Local Fire Agencies For Laws or Regulations Relating to Fire Prevention Requirements.

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 Commercial and Consumer Equipment 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

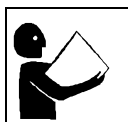
If your engine has the emission compliance category listed on the emission control system certification or air index label, this indicates the number of operating hours for which the engine has been certified to meet EPA and/or CARB emission requirements. The following table provides the engine compliance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

Agency	Category	Hours
EPA	C	250
EPA	B	500
EPA	A	1000
CARB	Moderate	125
CARB	Intermediate	250
CARB	Extended	500

Certification

Your mower has been certified for compliance with American National Standards Institute B-71.1-2003, "Safety Specifications" for Power Lawn Mowers, Lawn and Garden Tractors, and Lawn Tractors.

SAFETY



Operating Safely

This cutting 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.

- Read, understand and follow all instructions on the machine and in manuals provided, and view safety video, before starting. Be thoroughly familiar with the controls and the proper use of the machine before starting.
- Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- Only allow responsible adults, who are familiar with the instructions, to operate this machine. Local regulations may restrict the age of the operator.
- Clear the area of objects such as rocks, wire and toys which could be thrown by the blades.
- Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blades when crossing gravel surfaces.
- Do not operate the machine without the entire grasscatcher, discharge guard, or other safety devices in place and working. Never operate with the discharge deflector raised, removed, or altered, unless using a grasscatcher.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, lock park brake, stop engine and remove key before dismounting.
- Disengage blades when not mowing. Shut off engine and wait for all parts to come to a complete stop before cleaning the machine, removing the grasscatcher, or unclogging the discharge chute.
- Operate machine only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways. Stop blades before crossing roads or sidewalks.
- Use extra care when loading or unloading the machine into a trailer or truck.
- Always wear safety goggles or safety glasses with side shields when operating machine.
- Data indicates operators 60 years and above are involved

in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.

- Follow the manufacturer's recommendation for wheel weights or counterweights.
- 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.
- Before using, always visually inspect to see that the blades, blade bolts and the mower assembly are not worn and damaged. Replace worn and damaged blades and bolts in sets to preserve balance.
- Make sure spark plug, muffler, fuel cap and air cleaner are in place before starting the engine.
- Be sure all drives are in neutral and parking brake is locked before starting engine. Only start engine from the operator's position.
- Do not change the engine governor settings or overspeed the engine. Operating the engine at excessive speed can increase the hazard of personal injury.
- If you hit an object or if abnormal vibration occurs, stop the machine and inspect it. Make repairs before you operate.
- Use only accessories and attachments approved by the manufacturer of the machine. Keep safety labels visible when installing accessories and attachments.
- Do not wear radio or music headphones. Safe service and operation requires your full attention.
- When machine is left unattended, stored, or parked, lower the mower deck unless a positive mechanical lock is used.

Using a Spark Arrestor

The engine in this machine is not equipped with a spark arrestor muffler. 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

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