JOHN DEERE WORLDWIDE COMMERCIAL & CONSUMER EQUIPMENT DIVISION

Compact Utility Tractor 790

OMLVU14371 G3 OPERATOR'S MANUAL



JOHN DEERE

AWARNING: Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and 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 John Deere 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 arrow (------), 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

Compact Utility Tractor

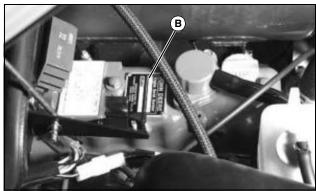
790 PIN (592446 -)

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

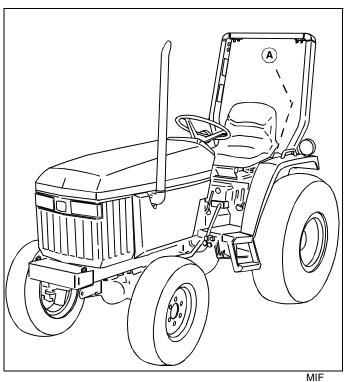
You will need to locate the model and serial number for the machine and for the engine of your machine and record the information in the spaces provided below.

Г	ΛТ	 \cap E	DI	ID	\cap L	1 V	SF:

DEALER NAME:	
DEALER PHONE:	



ENGINE SERIAL NUMBER (B):



PRODUCT IDENTIFICATION NUMBER (A):

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Deere & Co.

John Deere Worldwide Commercial and

Consumer Equipment Division

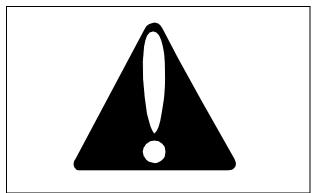
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Previous Editions

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OMLVU14371 G3 - English

Understanding The Machine Safety Labels



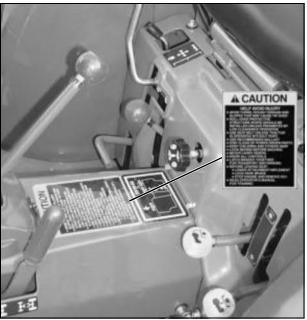
SAFETY ALERT SYMBOL

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.

CAUTION: HELP AVOID INJURY



M97698, M97745

- Avoid turns, rough terrain and slopes that may cause tip over.
- Roll-over protective structure (ROPS) should be installed unless prohibited by low clearance operation.

- Use seat belt unless machine is operated without ROPS.
- · Use recommended ballast.
- · Stay clear of power driven parts.
- · Keep children and others away.
- Look behind before backing.
- · Never carry riders.
- · Know all controls.
- Latch brakes together for transport and parking.
- Before leaving seat:
 - · Lower attachment/implement.
 - · Lock park brake.
 - · Stop engine and remove key.
- Read operator's manual for training.

WARNING: AVOID CRUSHING



M97742, M97641

Do not jump if machine tips. USE SEAT BELT

DANGER/POISON



M97744, M88249

SHIELD EYES: EXPLOSIVE GASES CAN CAUSE BLINDNESS OR INJURY.

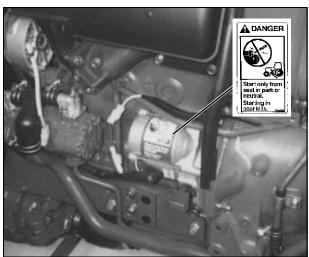
NO SPARKS, FLAMES, SMOKING.

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.

DANGER

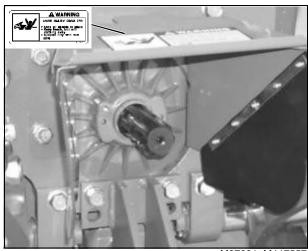


M97743, T146102

Start only from seat in park or neutral.

Starting in gear kills.

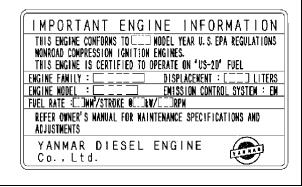
WARNING: AVOID INJURY FROM PTO



M97691, M117557

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

Emissions Control System Certification Label (Non-Road Diesel)



MX5293



CAUTION: Avoid injury! Statutes providing severe penalties for tampering with emissions controls may apply at the user's location.

The emissions warranty described in the warranty section applies only to those engines marketed by John Deere that have been certified by the United States Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB); and used in the United States in non-road mobile (self-propelled or portable/transportable¹) equipment. The presence of an emissions label like the one

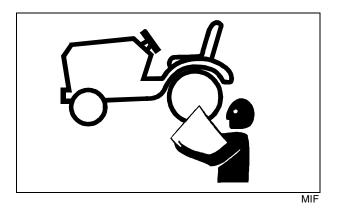
1. Equipment moved at least once every 12 months.

shown signifies that the engine has been certified with the EPA and/or CARB. The EPA and CARB warranties only apply to new engines having the certification label affixed to the engine and sold as stated above in the geographic areas governed by the regulating agencies.

NOTE: The hp/kW rating on the engine emissions certification label specifies the gross engine hp/kW, which is flywheel power without fan. In most applications this will not be the same rating as the advertised machine hp/kW rating.

Operator Training Required

- The owner of the machine is responsible for training the users of the machine.
- The owner/user can prevent accidents with proper use of the machine. The owner/user is responsible for accidents or injuries occurring to themselves, other people or property.
- Do not allow operation of the machine by untrained persons.
- Read the operator manual and study the safety and operation sections before operating the machine.
- If the operator of the machine cannot read or understand this manual, the machine owner is responsible to explain this material to the operator. This publication is available in other languages.
- Operate the machine in an open, unobstructed area under the direction of an experienced operator.
- · Learn the use of all controls.
- Operator practice is required to learn the moving, stopping, turning and other operating characteristics of the machine.
- **Operating Safely**

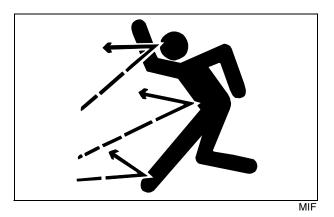


Inspect machine before you operate. Be sure hardware

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.

- Do not operate mower without discharge chute or entire grass catcher in place.
- Check before each use that operator presence controls are functioning correctly. Test safety systems. Do not operate unless they are functioning correctly.
- Do not change the engine governor setting or overspeed the engine.
- Always wear seat belt if machine has a standard ROPS or a folding ROPS in the upright position.
- Check brake action before you operate. Adjust or service brakes as necessary.
- Stop machine if anyone enters the area.
- Never raise mower decks when blades are running.
- If you hit an object, stop and inspect the machine. Make repairs before you operate. Keep machine and implements properly maintained and in good working order.
- Do not leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- Slow down and be careful of traffic when operating near or crossing roadways. Stop blades before crossing roads or sidewalks. Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- Be aware of the mower discharge direction and make sure that no one is in the path of the discharge direction.
- Use only accessories and implements approved by the manufacturer of the machine.

Checking Mowing Area



 Evaluate the terrain to determine what accessories and implements are needed to properly and safely perform the job.

- Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.
- Study mowing area. Set up a safe mowing pattern. Do not mow where traction or stability is doubtful.
- Test drive area with mower lowered but not running.
 Slow down when you travel over rough ground.

Using a Spark Arrestor

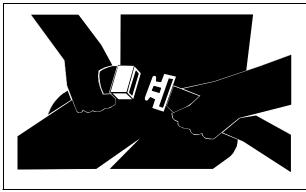
The engine in this machine is not equipped with a spark arrestor muffler. It is a violation of California Public Resource Code Section 4442 to use or operate this engine on or near any forest-covered, brush-covered or grass-covered land unless the exhaust system is equipped with a spark arrestor meeting any applicable local or state laws. Other states or federal areas 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.

Parking Safely

- 1. Stop machine on a level surface, not on a slope.
- 2. Disengage PTO.
- 3. Lower implements to the ground.
- 4. Lock park brake.
- 5. Stop engine.
- 6. Wait for engine and all moving parts to stop before you leave the operator's station.
- 7. Remove key.

Use Seat Belt Properly



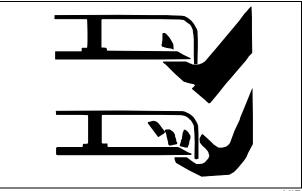
MIF

Use a seat belt when you operate with a Roll-Over Protective Structure (ROPS) to minimize chance of injury from an accident, such as an overturn.

Do not use a seat belt if operating with an optional tall folding ROPS in the folded position.

Rotating Blades are Dangerous

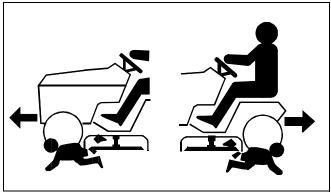
HELP PREVENT SERIOUS OR FATAL ACCIDENTS:



MIF

- Rotating blades can cut off arms and legs.
- Keep hands, feet and clothing away from mower deck when engine is running.
- Be alert at all times, drive forward carefully. People, especially children can move quickly into the mowing area before you know it.
- Before backing up, shut off PTO and look down and behind the machine carefully, especially for children.
- Do not mow in reverse.
- Shut off blades when you are not mowing.
- Park machine safely before inspecting or unplugging mower or bagger.

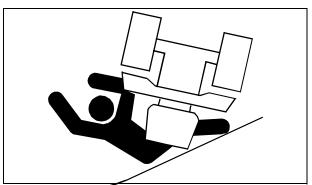
PROTECT CHILDREN:



MIF

- Never assume that children will remain where you last saw them. Children are attracted to mowing activity, stay alert to the presence of children.
- Keep children indoors when you are mowing. Turn the machine off if a child enters the mowing area.
- Use extra care when you come to blind corners, shrubs, trees, or other objects that may block your vision.
- Do not let children or an untrained person operate the machine.
- Do not carry or let children ride on any implement or machine even with the blades off. Do not tow children in a cart or trailer.

Avoid Tipping



MIF

- Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death.
- Do not drive where machine could slip or tip.
- Stay alert for holes and other hidden hazards in the terrain.
- Keep away from drop-offs, ditches, and embankments.
- Slow down before you make a sharp turn or operate on

- a slope. On gear models, choose a low gear so that shifting and stopping will not be necessary while on the slope.
- Limit loads to those you can safely control. Use only approved hitches when pulling loads or using heavy equipment. Use counterweights or wheel weights as required in this manual or your implement manual.
- Drive up and down a hill not across. If necessary, turn slowly and in the downhill direction. Do not shift to neutral and coast downhill.
- Do not stop when going up hill or down hill. If machine stops going up hill, disengage mower blades and back down slowly.
- Operating machine when grass is wet can cause reduced traction and sliding.

Keep Riders Off



MIF

- Only allow the operator on the machine. Keep riders off.
- Riders on the machine or attachment may be struck by foreign objects or thrown off the machine causing serious injury.
- Riders obstruct the operator's view resulting in the machine being operated in an unsafe manner.



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