

2653A Diesel Professional Utility Mower

(Serial No. 060001 –)

OPERATOR'S MANUAL

**John Deere
Lawn & Grounds Care Division
OMMT3402 H6**

**North American Version
Litho in U.S.A
English**

TABLE OF CONTENTS

	Page
Safety Signs	1
Controls	3
Operating the Machine	5
Operating the Cutting Units	25
Replacement Parts	31
Service Machine Safely	32
Service Interval Chart	36
Service - Lubrication	38
Service - Engine	41
Service - Transmission	55
Service - Cutting Units	60
Service - Electrical	74
Service - Miscellaneous	81
Troubleshooting	87
Storing Utility Mower	96
Assembly	99
Specifications	107
Warranty	117

<https://www.ebooklibonline.com>

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>

TABLE OF CONTENTS

	Page
Index	122
Service Literature	129

All information, illustrations and specifications in this manual are based on the latest information at the time of publication. The right is reserved to make changes at any time without notice.

COPYRIGHT© 1996
John Deere Horicon Works
All rights reserved
Previous Editions
COPYRIGHT© 1995, 1994

SAFETY SIGNS

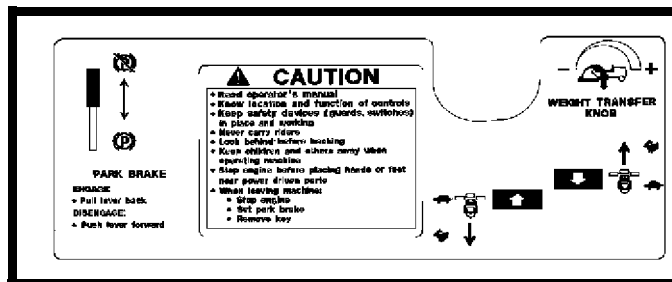
Safety-Alert Symbol

Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.



Machine Safety Labels



M72516



M34187

M87049

SAFETY SIGNS



Machine Safety Labels (Continued)

<p>⚠ DANGER EXPLOSIVE GASES Cigarettes, flames or sparks could cause battery to explode. Always shield eyes and face from battery. Do not charge or use booster cables or adjust post connections without proper instruction and training. Keep vent caps tight and level.</p>	<p>POISON CAUSES SEVERE BURNS Contains sulfuric acid. Avoid contact with skin, eyes or clothing. In event of accident, flush with water and call a physician immediately. Keep out of reach of children.</p>
--	--

M74408



M87049

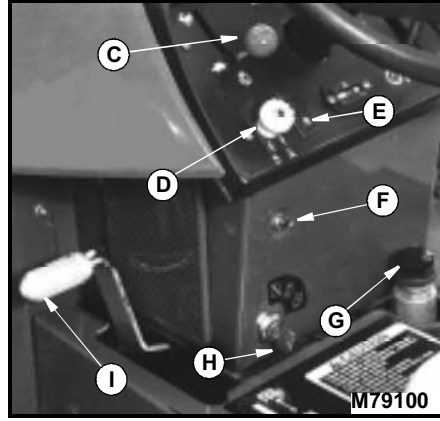
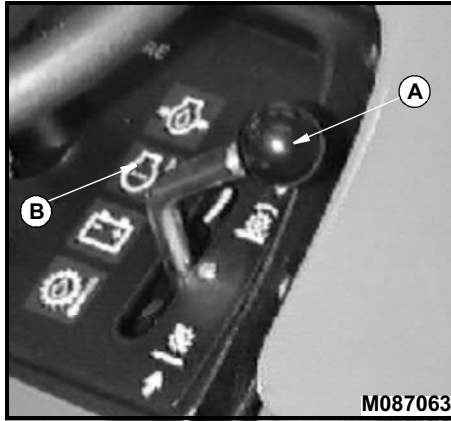
⚠ WARNING		
	<p>AVOID INJURY FROM ROTATING BLADES</p> <ul style="list-style-type: none">• Keep hands and feet away from rotating blades.• Shut off engine before servicing, lubricating or removing cutting units.	

M77222B

Two on each reel.

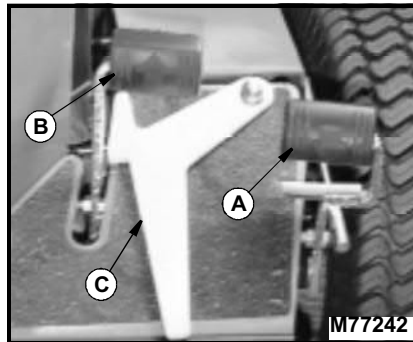
CONTROLS

Dash/Platform Controls



- A - Mow/Lift Lever Raises/lowers mowers.
- B - Indicator Lights Monitors machine functions.
- C - Throttle Lever Controls engine speed.
- D - PTO Switch Engages attachments.
- E - Glow Plug Switch Activates engine preheat.
- F - Light Switch (Optional) Toggle switch to engage lights.
- G - Weight Transfer Valve Distributes machine weight.
- H - Key Starts engine.
- I - Park Brake Lever Engages park brake.

Foot Controls



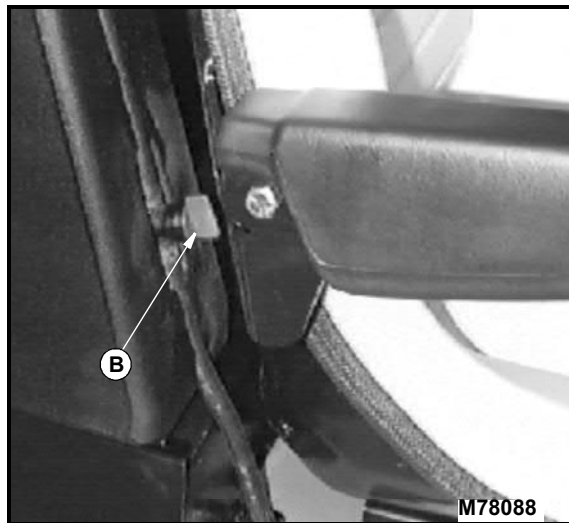
- A - Reverse Travel Pedal..... Backs machine.
- B - Forward Travel Pedal Starts machine forward travel.
- C - Speed Limiter (2WD Only)Limits forward speed.

CONTROLS

Miscellaneous Controls



A - Free-Wheeling Lever.....Allows machine to be moved without the engine running.



B - Fuel Shut-Off ValveShuts off fuel to fuel line

OPERATING THE MACHINE

SAFETY



Operate Safely

- Check brake action before you operate. Adjust or service brakes as necessary.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine and attachments properly maintained and in good working order. Keep all shields and guards in place.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- Be careful of traffic when operating near or crossing roadways.
- Drive slowly over rough ground.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.

Mount And Dismount Safely



- Do not step on pedals when mounting or dismounting.
- Keep step area and platform clean.
- Lock parking brake, stop engine, and remove key before dismounting.

OPERATING THE MACHINE

Park Safely



- Stop machine on a level surface, not on a slope.
- Disengage cutting units.
- Lower cutting units to the ground.
- Engage park brake.
- STOP engine.
- Remove key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

Avoid Tipping



- DO NOT drive machine on a slope with an incline of greater than 16° where machine could slip or tip.
- Stay alert for holes and other hidden hazards in the terrain.
- Keep away from drop-offs.
- Slow down before you make a sharp turn or operate on a slope.
- Be careful when you change direction on a slope.
- DO NOT try to stabilize the machine by putting your foot on the ground.

OPERATING THE MACHINE

Rotating Blades Are Dangerous - Prevent Accidents



PROTECT OTHERS:

- Turn machine off if another person 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 untrained person operate the machine.
- DO NOT carry or let others ride on machine.

HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

- Be alert at all times, drive forward carefully. People can move quickly into the mowing area before you know it.
- DO NOT operate machine if you are under the influence of drugs or alcohol.
- Back carefully. Shut off cutting units and look behind the machine carefully before you back up.
- DO NOT mow in reverse.
- Shut off cutting units when you are not mowing.
- Stop engine and wait for reels to stop turning before making any adjustments to the cutting units.
- Keep hands and feet away from cutting units while machine is running.

OPERATING THE MACHINE

Operator Training Required

- Study operation section of this manual before operating the machine.
- Operate machine in an open, unobstructed area under the direction of an experienced operator.
- Learn the use of all controls.
- Operator experience is required to learn the moving, stopping, turning and other operating characteristics of the machine.

Keep Riders Off



- Only allow the operator on the machine. Keep riders off.
- Riders on the machine 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.

OPERATING THE MACHINE

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- Loud noise can cause impairment or loss of hearing, wear a suitable protective device such as earplugs.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.

Check Wheel Bolts

- A serious accident could occur causing serious injury if wheel bolts are not tight.
- Check wheel bolt tightness often during the first 100 hours of operation.

Transport Safely



- Use safety lights and devices. Slow moving machines when driven on public roads are hard to see, especially at night. Avoid personal injury or death resulting from a collision with a vehicle.

OPERATING THE MACHINE

Avoid High Pressure Fluids

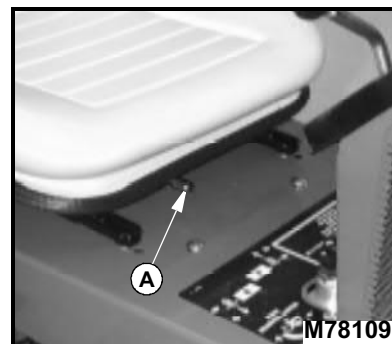
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.



ADJUSTMENTS

Adjusting Seat

1. Push lever (A) to the left.
2. Slide seat forward or backward to desired position.
3. Release lever.



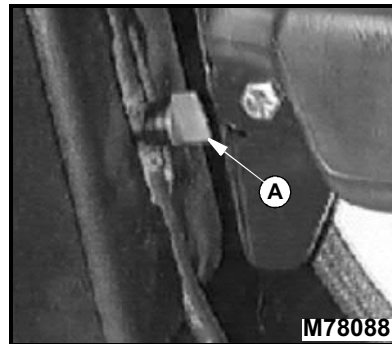
OPERATING THE MACHINE

DRIVING

Fuel Shut-Off Valve

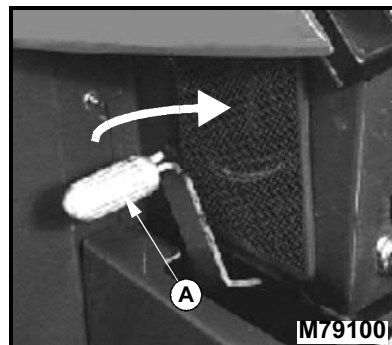
IMPORTANT: Never attempt to start engine with the fuel shut-off valve in the off position.

The fuel tank is equipped with a fuel shut-off valve (A). This valve should be closed if the machine is placed in extended storage. OFF is shown with the handle across the direction of the fuel line and ON is in the direction of the fuel line.

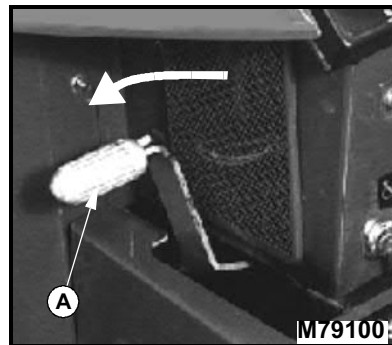


Park Brake

Engage the park brake (A) by pulling lever towards operator.



Disengage the park brake (A) by pushing lever away from operator.



OPERATING THE MACHINE

Hydrostatic Ground Drive

Depress forward (left) pedal (A) to move machine forward.

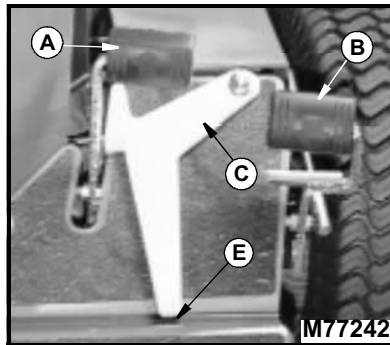
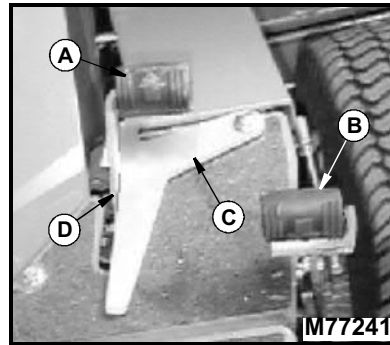
Depress reverse (right) pedal (B) to move the machine backward.

The speed limiter (C) between foot pedals is for speed control.

NOTE: This is ONLY used on 2WD machines.

Place (C) against forward (left) pedal in position (D) to limit mowing speed to 9.6 km/h (6.0 m.p.h.).

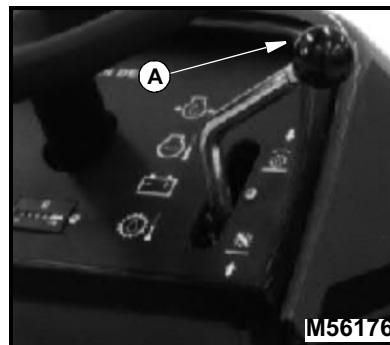
Slide (C) against foot rest in position (E), for transport.



Mow/Lift Lever

Pull lever (A) downward to raise cutting units and stop reel rotation. Hold in this position until the rear cutting unit is fully raised.

Push lever (A) forward to lower cutting units. If PTO switch is engaged, reels will begin to rotate when the cutting units are lowered.

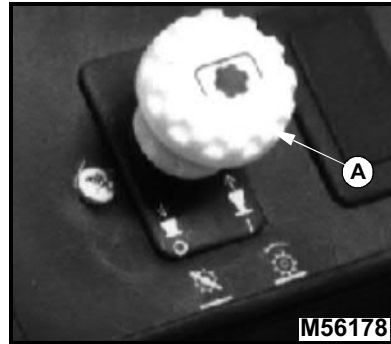


OPERATING THE MACHINE

PTO Switch

Push knob (A) down, to the OFF position to start engine. On 3WD machines maximum forward travel speed will increase when this is in the OFF position.

Pull knob up, to the ON position to mow. Reels will begin to rotate when lowered. Maximum forward speed will be limited to 5.0 mph if equipped with 3WD.

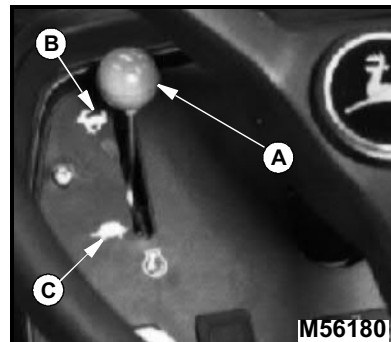


Throttle Lever

Push lever (A) forward against stop (B) to operate engine at FAST (🐎) idle.

NOTE: Always operate at full throttle for best mowing performance.

Pull lever downward against stop (C) to operate at SLOW (🐢) idle. Slow engine to idle before shutting off ignition.





Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

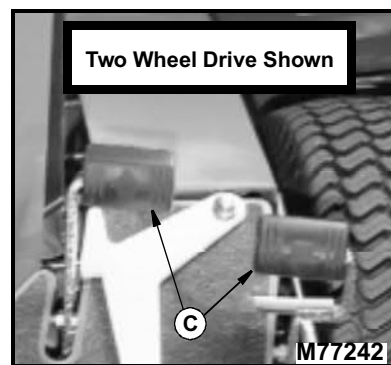
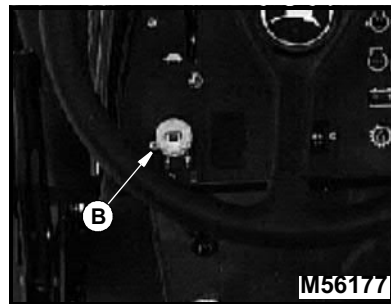
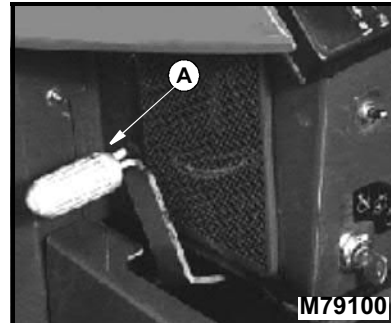
Thank you so much for reading

OPERATING THE MACHINE

Ignition Interlock System

For the starter to engage and the engine to run, the following conditions must be met simultaneously:

- Park brake (A) engaged. PTO switch (B) OFF. Hydrostatic ground drive pedals (C) in neutral.
- If the operator is mowing (PTO switch on and/or ground drive engaged) and the operator leaves the seat the engine will stop.
- If the operator has stopped mowing (PTO OFF) and leaves the seat with ground drive in neutral, but without the park brake engaged, the engine will stop.
- If the operator attempts to drive forward or backward while the park brake is engaged, the engine will stop.
- Provisions have been made to allow a single operator to backlap the reels. (See Backlapping Cutting Units in Service-Cutting Unit Section.)



<https://www.ebooklibonline.com>

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>