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DEPARTMENT

F510 and F525 Front Mowers

(Serial No. 120001 –)



OPERATOR'S MANUAL

John Deere
Lawn & Grounds Care Division
OMM134151 H7

North American Version
Litho in U.S.A
English

INTRODUCTION

THANK YOU for purchasing a John Deere product.

Read this manual and your attachment manuals thoroughly. Failure to do so could result in personal injury or equipment damage.



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

This manual should be considered a permanent part of your machine and should remain with the machine when you sell it. Measurements in this manual are metric units and their U.S. customary equivalents. 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 (- - - →) it indicates the part it is pointing to is hidden.

Record identification numbers below. Be sure to record all the numbers to help in tracing the machine if it is stolen. You also need to give these numbers to your dealer when you order parts.

Date of Purchase:

Dealer Name:

Phone:

Deck Serial Number:

Engine Serial Number:

Under Hood



Product Identification Number:

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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.

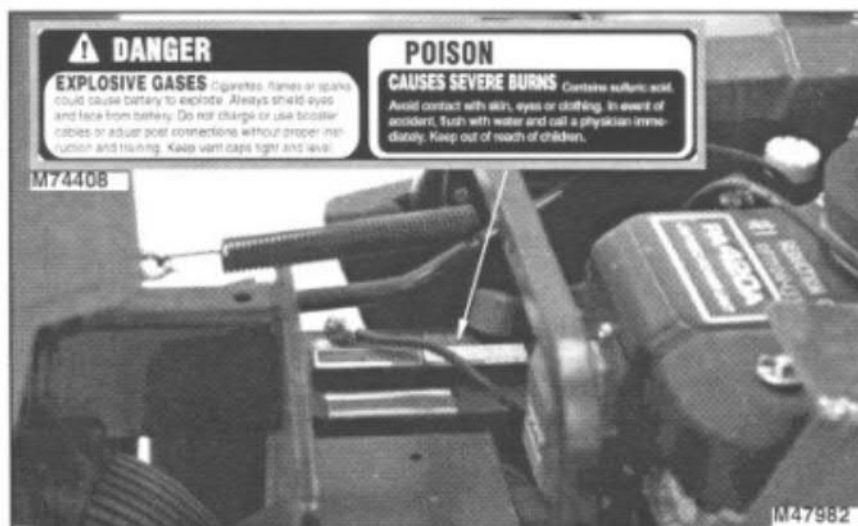


Machine Safety Labels



SAFETY SIGNS

Machine Safety Labels (Continued)



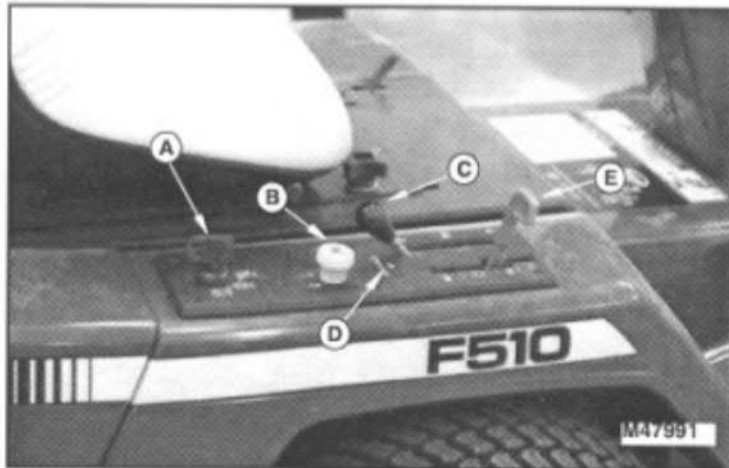
SAFETY SIGNS

Machine Safety Labels (Continued)



CONTROLS

Dash Controls



- A - Key..... Starts engine
- B - PTO SwitchEngages attachments
- C - Park Brake Lever..... Engages park brake
- D - Hour MeterRecords machine run time
- E - Throttle Lever Controls engine speed

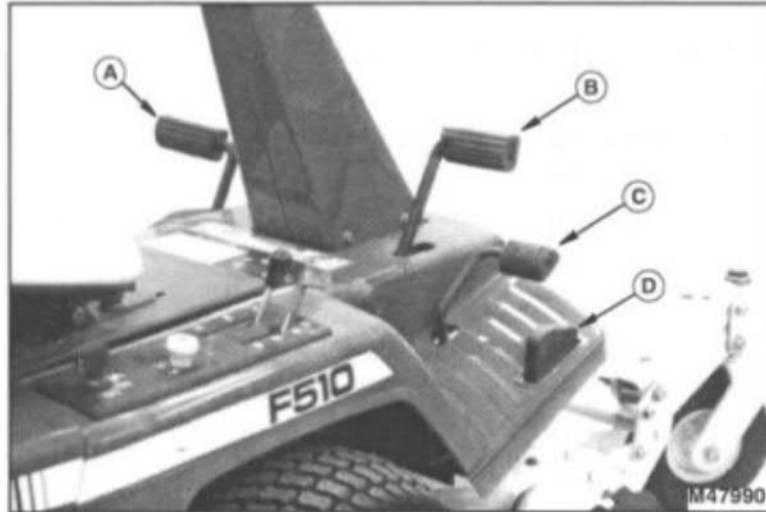
Dash Indicator Controls



- A - Indicator LightsIndicates fuel level, battery charge and oil pressure

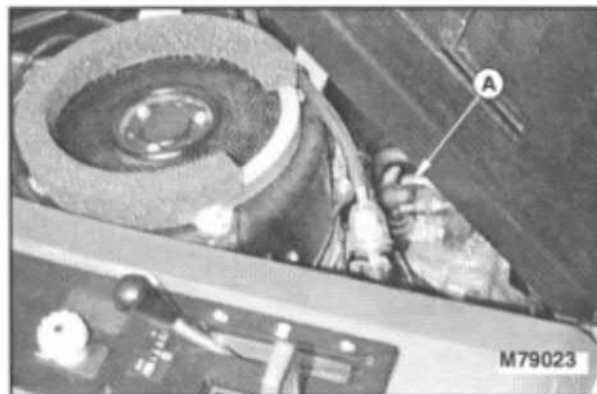
CONTROLS

Foot/Platform Controls



- A - Traction Assist Pedal Improves traction
- B - Brake Pedal Stops machine
- C - Forward Travel Pedal Starts machine forward travel
- D - Reverse Travel Pedal Backs machine

Miscellaneous Controls



- A - Free-Wheeling Lever Allows machine to be moved with engine off

OPERATING

Operate Safely

- Get on Front Mower from the LEFT SIDE only.
- Check brake action before you operate. Adjust or service brakes as necessary.
- 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.
- When you operate the Front Mower make sure you are sitting in the operator's seat and your feet are on the platform.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.



Park Safely

- Stop machine on a level surface, not on a slope.
- Disengage PTO
- Lower attachments 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.

OPERATING

Rotating Blades Are Dangerous - Protect Children And Prevent Accidents



PROTECT CHILDREN:

- Never assume that children will remain where you last saw them. Children are attracted to mowing activity, stay alert to the presence of children.
- When you operate the Front Mower make sure you are sitting in the operator's seat and your feet are on the platform.
- Keep children in the house when you are operating the machine.
- Turn 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 machine or any attachment. DO NOT tow children in a cart or trailer.

HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

- Be alert at all times, drive forward carefully. People ESPECIALLY CHILDREN can move quickly into the mowing area before you know it.
- Back carefully. Shut off PTO and look behind the machine carefully, ESPECIALLY FOR CHILDREN, before you back up.
- DO NOT mow in reverse unless it is absolutely necessary.
- Shut off PTO when you are not mowing.
- DO NOT operate machine if you are under the influence of drugs or alcohol.

OPERATING

Avoid Tipping



- 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.
- Slow down before you make a sharp turn or operate on a slope.
- When pulling loads or using heavy equipment, use only approved hitches, limit loads to those you can safely control, and use counterweights or wheel weights when required per this manual or your attachment manual.
- Drive up and down a hill - not across. Be careful when you change direction on a slope.
- DO NOT stop when going up hill or down hill. If machine stops going up hill, STOP PTO and back down slowly.
- DO NOT mow wet grass. Reduced traction could cause sliding.
- DO NOT try to stabilize the machine by putting your foot on the ground.

Keep Riders Off



- 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.

OPERATING

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.

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.

Avoid Damage To Plastic And Painted Surfaces

- 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.

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.
- Whenever driving on public roads, use flashing warning lights and turn signals according to local regulations. Extra flashing warning lights may need to be installed.

OPERATING

Mounting Front Mower



CAUTION: Avoid injury. **DO NOT** use deck or deck shield as step to get on Front Mower.

1. Get on Front Mower from the LEFT SIDE only.

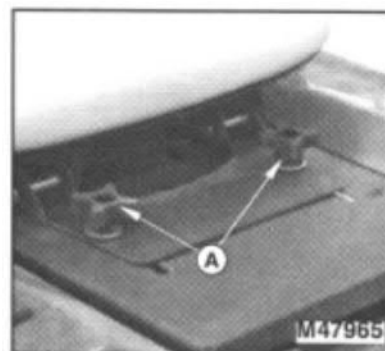


2. Step on left foot platform (A) to get on Front Mower.

Seat Adjustment Knobs

1. Sit on operator's seat. Loosen knobs (A) located in front of seat on seat platform.

2. Slide seat to desired position. Tighten knobs.



OPERATING

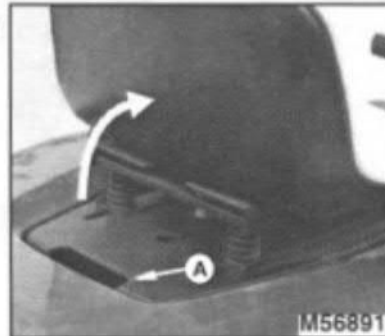
Seat Release Lever



CAUTION: When you raise or lower seat:

- Stand on left side of Front Mower.
- Put right hand **ONLY** on the cut-out hand-hold area on rear of seat base.

1. To raise seat, lift rear of seat base at the cut-out hand-hold area (A) to latch seat in the **FIRST** or **SECOND** position.

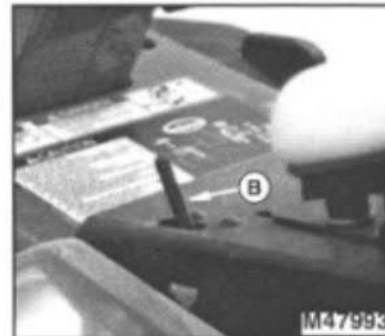


CAUTION: To avoid injury:

- When you lower the seat, be careful not to pinch your hand between seat platform and Front Mower frame.

2. To lower seat, lift rear of seat slightly at the cut-out hand-hold area and push and hold lever (B) forward.

3. Lower seat slowly to avoid pinching your hand between seat platform and Front Mower frame.

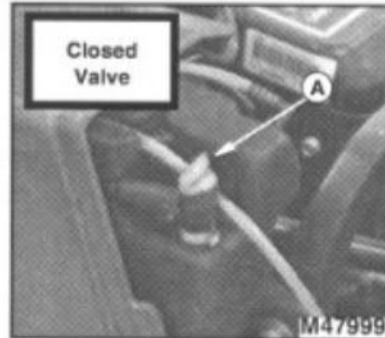
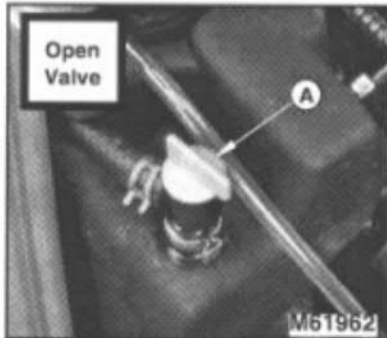


OPERATING

Using Fuel Shut-Off Valve

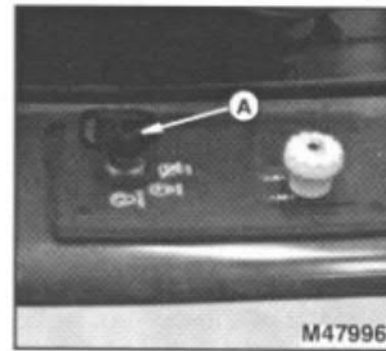
Turn knob (A) in line with fuel line to OPEN fuel shutoff valve.

- Turn knob (A) sideways to CLOSE the fuel shutoff valve.



Using Key Switch

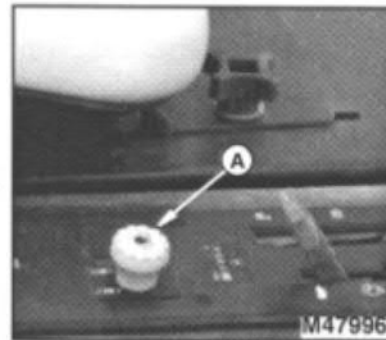
1. Turn key (A) straight ahead to the OFF position.
2. Turn key to the RUN position: Two indicator lights should go ON.
3. Turn key to the START position to start the engine.



Using PTO Switch Knob

ENGAGE (☰) PTO by pulling knob (A) UP.

- DISENGAGE (☷) PTO by pushing knob (A) DOWN.





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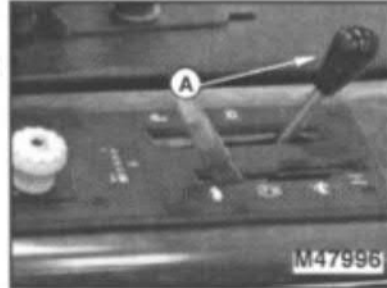
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OPERATING

Locking The Park Brake

To lock the park brake:

1. Move the park brake lock lever (A) forward to the LOCKED position.



2. Push the brake pedal (B) down to LOCK the brake.



Unlocking The Park Brake

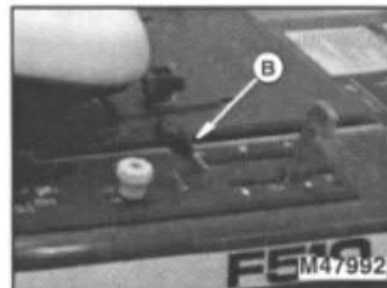
To unlock the park brake:

1. Push the brake pedal (A) down.



2. Move the park brake lever (B) to the rear to the UNLOCKED position.

3. Release pedal.



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