

**F710 and F725**  
**Front Mowers**  
(Serial No. 10,001— )

**John Deere Horicon Works**  
**OMM111778 Issue B1**

LITHO IN U.S.A.  
ENGLISH

# Introduction

THANK YOU for purchasing a John Deere product.

READ THIS MANUAL carefully to learn how to operate and service your Front Mower correctly. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your Front Mower and should remain with the Front Mower when you sell it.

MEASUREMENTS in this manual are U.S. customary units and their metric equivalents.

RIGHT AND LEFT sides are determined by facing in the direction of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS in the Specifications section. Accurately record numbers to help trace the Front Mower if it is stolen. Your dealer also needs these numbers when you order parts. File numbers in a safe place.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.



M73455  
-UN-13NOV90

MX,IFC,111778 -19-07JAN91

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

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A John Deere ILLUSTRATION™ Manual

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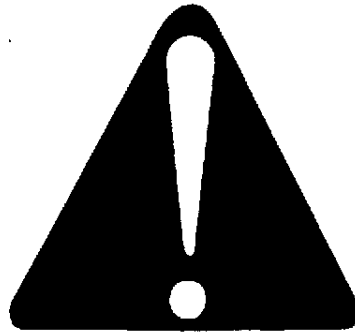
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# Safety

## RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your Front Mower or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



MX,SAFR,A -19-07JAN91

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## UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-04JUN90

TS187 -19-30SEP88

## KEEP RIDERS OFF THE FRONT MOWER

Allow ONLY the operator on the Front Mower. Keep riders off.

Riders on the Front Mower may be subject to injury, such as being struck by foreign objects and being thrown off the machine.

Riders may obstruct the operator's view and cause the Front Mower to be operated in an unsafe way.



MX,SAFR,B -19-07JAN91

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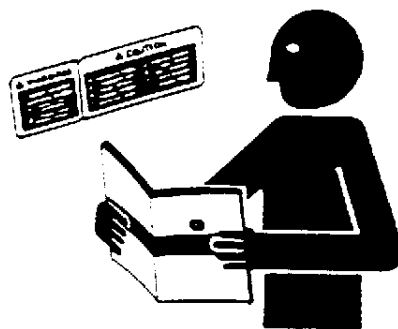
## FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your Front Mower safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

Learn how to operate the Front Mower and how to use controls properly. Do not let anyone operate without instruction.

Keep your Front Mower in proper working condition. Unauthorized modifications to the Front Mower may impair the function and/or safety and affect Front Mower life.

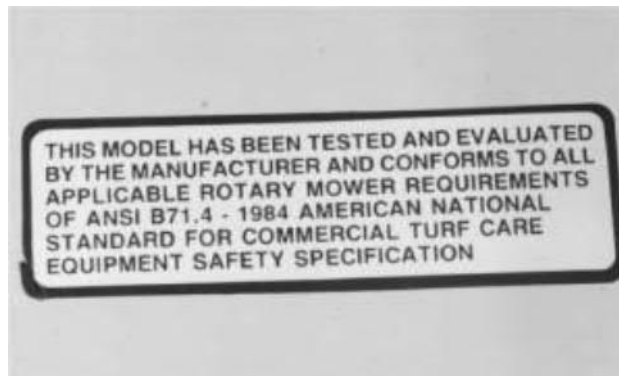
If you do not understand any part of this manual and need help, contact your John Deere dealer.



M73113 -UN-06DEC89

MX,SAFR,B1 -19-07JAN91

## CERTIFICATION



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MX,SAFR,C -19-07JAN91

## INSPECT THE FRONT MOWER BEFORE YOU OPERATE IT

Guards and shields must be in good condition and fastened in place.

Check for loose, worn, damaged, or missing parts.

Check adjustments:

- Cutting height.
- Mower level.
- Seat.
- Others.

MX,SAFR,D -19-07JAN91



## PROTECT CHILDREN AND PETS

Look carefully behind the Front Mower before you back it.

Keep children and pets out of the mowing area.

Do not allow children to operate the Front Mower.



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## AVOID INJURY FROM THE BLADES

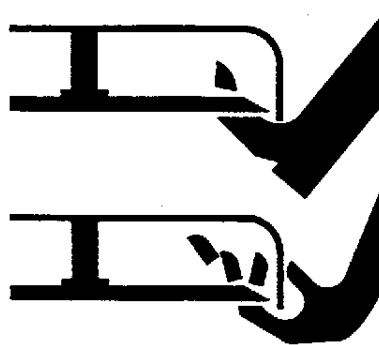
Before you dismount to unplug or adjust the mower:

- STOP the Front Mower. STOP the engine.
- LOCK the park brake.
- WAIT for the mower blades to stop.

Keep hands, feet, and clothing away from the mower deck when the engine is running.

Stop the mower blades when you are not using the mower: Push the PTO switch lever down.

Keep feet on the footrests at all times when you are mowing.



MX,SAFR,F -19-07JAN91

IM41421 -UN-30AUG88

## OPERATE THE FRONT MOWER SAFELY

Get on the Front Mower from the LEFT SIDE ONLY.

Raise and lower the seat from the LEFT SIDE ONLY.

Check the seat mounting at regular intervals. Tighten the hardware, if necessary. If you find cracks or rust in the seat base or seat, replace the seat immediately.

Start the engine from the operator's seat only.

When you operate the Front Mower:

- Sit in the operator's seat.
- Keep your feet on the platform.

When you drive the Front Mower without an attachment:

- Drive slowly and carefully.
- Avoid quick stops.

MX,SAFR,G -19-07JAN91



## AVOID TIPPING

Do not drive where the Front Mower could slip or tip.

Stay alert for holes, rocks, roots, and other hidden hazards.

Keep away from drop-offs.

Slow down before you make a sharp turn.

Be careful when you pull loads:

- Use only the approved drawbar hitch point.
- Limit loads to those you can safely control.

Be very careful on slopes:

- Avoid mowing across steep slopes: Mow down the slope, then back up.
- Slow down—especially when you turn—to prevent tipping or loss of control.
- Avoid sudden starts and stops.
- If the Front Mower stops as you go uphill:
  - Stop the PTO.
  - Back down slowly.



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MX,SAFR,H -19-07JAN91

## CLEAR AND CHECK THE MOWING AREA

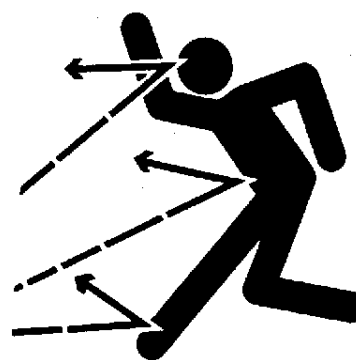
Clear the mowing area of objects that might be thrown.

Study the mowing area:

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

Before you mow, test drive the mowing area with the PTO OFF.

Travel slowly on rough ground.



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MX,SAFR,I -19-07JAN91



## PARK THE FRONT MOWER SAFELY



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-UN-04OCT190

Park on a level surface, not on a slope.

1. STOP the Front Mower.
2. STOP the PTO.
3. STOP the engine.
4. LOCK the park brake (A and B). See the Controls section.
5. REMOVE the key.

MX.SAFR,J -19-07JAN91



## HANDLE FUEL SAFELY—AVOID FIRES

Handle fuel with care: it is highly flammable.

Do not refuel the Front Mower:

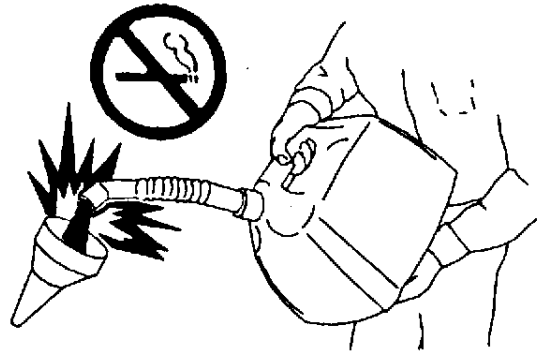
- While you smoke.
- When the Front Mower is near an open flame or sparks.
- When the engine is running. STOP ENGINE.

Fill the fuel tank outdoors.

Help prevent fires:

- Clean clippings, grease, oil, and dirt from the Front Mower.
- Clean up spilled fuel immediately.

Do not store the Front Mower with fuel in the tank in a building where fumes may reach an open flame or spark.



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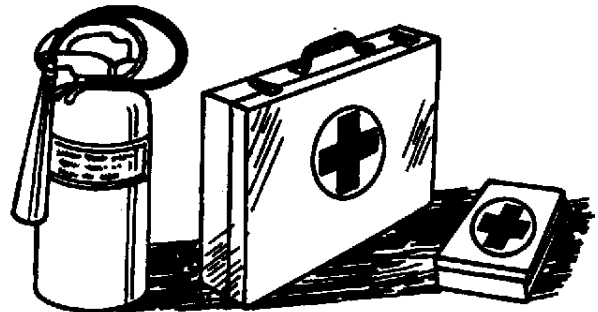
MX,SAFR,K -19-07JAN91

## PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



TS291 -UN-23AUG88

DX,FIRE2 -19-04JUN90



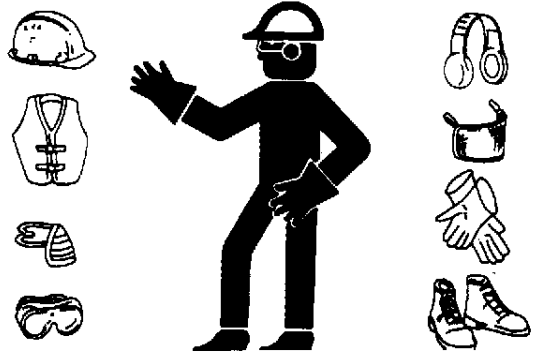
## WEAR THE RIGHT CLOTHING AND EQUIPMENT

Wear close fitting clothing and safety equipment to fit the job.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear earmuffs or earplugs to protect against loud noise.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while you operate the Front Mower.



MX,SAFR,L -19-07JAN91

TS206 -UN-23AUG88

## SERVICE THE FRONT MOWER SAFELY

Understand the service procedure before you do the work.

Keep the work area floor clean and dry.

Help prevent injury from moving parts during service:

- Do not lubricate or service the Front Mower while parts are moving.
- Keep hands, feet, and clothing from power-driven parts.
- Disengage power. Stop the engine. Remove the key. Let the mower and engine cool.

Safely support Front Mower parts that must be raised for service.

Keep all parts in good condition and properly installed:

- Fix damage immediately.
- Replace worn or broken parts.
- Remove grease, oil, or dirt from parts.

Disconnect the battery ground cable (—) before you make adjustments on the electrical system or weld the Front Mower.



MX,SAFR,M -19-07JAN91

TS218 -UN-23AUG88



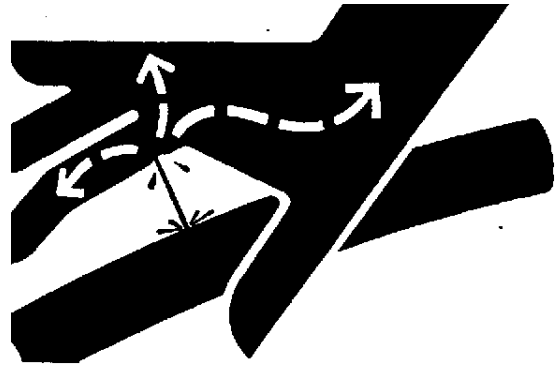
## AVOID HIGH-PRESSURE FLUIDS

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 may call the Deere & Company Medical Department in Moline, Illinois, or other knowledgeable medical source.



X9811 -UN-23AUG88

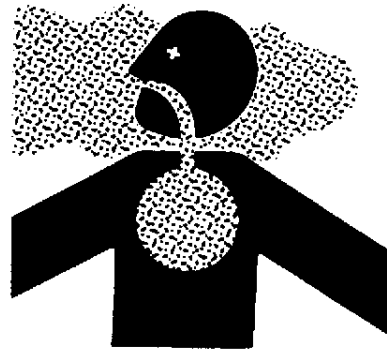
DX,FLUID,NA -19-11JUN90

## WORK IN A VENTILATED AREA

Engine exhaust fumes can cause sickness or death.

If it is necessary to run an engine in an enclosed area, remove exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors to help bring outside air into the area.



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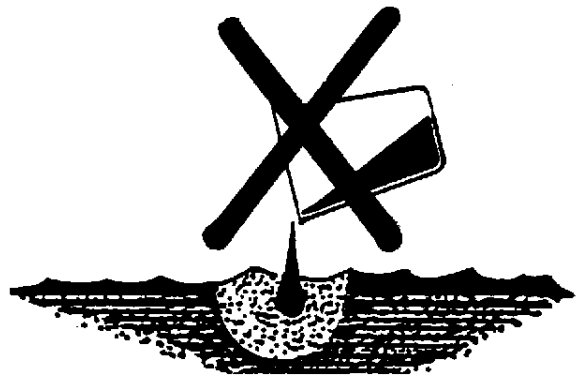


### GET RID OF WASTE PROPERLY

DO NOT pour oil into the ground, down a drain, or into a stream, pond, or lake. Find the proper way to get rid of oil, fuel, coolant, brake fluid, filters, batteries, and other harmful waste.

Your local environment protection agency can tell you the best way to get rid of harmful products. Obey their regulations and help preserve the environment.

Use proper containers when you drain fluids. Do not use beverage containers that may mislead someone into drinking from them.



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### READ SAFETY SIGNS

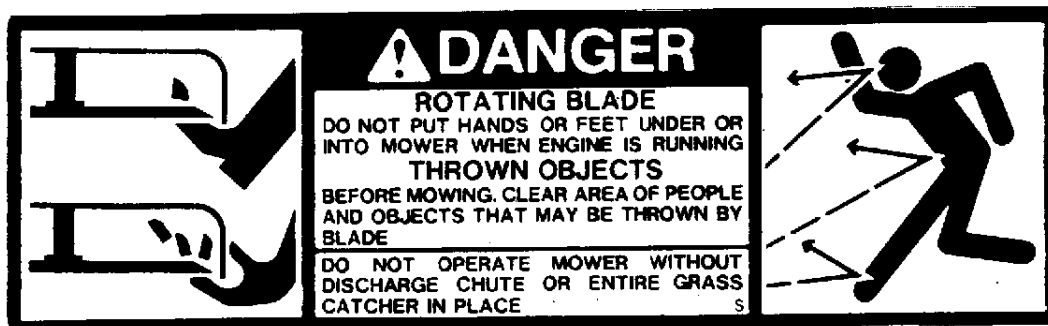
ON TOP LEFT, END OF DECK



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MX,SAFR,P -19-07JAN91

ON TOP, RIGHT END OF DECK



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MX,SAFR,Q -19-07JAN91



ON BOTH SIDES OF REAR FRAME



M34187 -19-13MAR89

MX,SAFR,R -19-07JAN91

ON PLATFORM IN FRONT OF SEAT

**! CAUTION**

**HELP AVOID INJURY**

- READ OPERATOR'S MANUAL
- KNOW LOCATION AND FUNCTION OF CONTROLS
- KEEP SAFETY DEVICES (GUARD, SWITCHES) IN PLACE AND WORKING
- NEVER CARRY CHILDREN
- LOOK BEHIND BEFORE BACKING
- KEEP CHILDREN AND OTHERS AWAY WHEN OPERATING MACHINE
- STOP ENGINE BEFORE PLACING HANDS OR FEET NEAR POWER DRIVEN PARTS
- DO NOT DRIVE WHERE MACHINE COULD SLIP OR TIP
- IF MACHINE STOPS, GOING UP HILL, SHUT OFF PTO AND BACK DOWN SLOWLY
- WHEN LEAVING MACHINE:  
STOP ENGINE  
SET PARK BRAKE  
REMOVE KEY

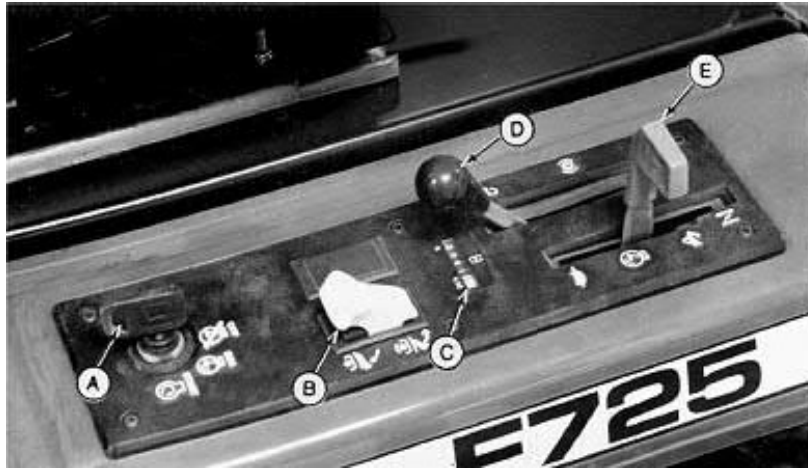
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# Controls

## PANEL CONTROLS



### A—KEY

- Turn the key straight ahead to the OFF position.
- Turn the key to the first or RUN position: Two indicator lights should go ON.
- Turn the key to the second or START position to START the engine: The F725 coolant temperature light should go ON.

### B—PTO SWITCH LEVER

- To turn the switch ON:
  - Pull the lever to the rear.
  - Lift the rear of the lever to the ON position.
- Push the lever down to the OFF position.

### C—HOUR METER

- The hour meter records the number of hours the engine has run.
- Check the hour meter to learn when the Front Mower needs service.

### D—PARK BRAKE LOCK LEVER

- Use this lever to LOCK and UNLOCK the park brake. See RIGHT-SIDE PEDALS in this section.

### E—THROTTLE LEVER

- Push the lever forward to FAST (rabbit) position. Operate mower with the lever in this position.
- Move the lever to the rear to the SLOW (turtle) position. Do not run the engine at SLOW throttle any longer than necessary.
- Move the lever all the way forward to the CHOKE position to start the engine.
- Pull the lever back as the engine warms.

MX,CTFR,A -19-07JAN91

## INDICATOR LIGHTS

### A—OIL PRESSURE INDICATOR

**IMPORTANT:** If the indicator lights RED when the engine is running, STOP THE ENGINE IMMEDIATELY, or the engine may be seriously damaged from lack of lubrication. Before you run the engine, find and correct the cause.

- The RED indicator light means the oil is low and/or the oil pressure is low.
- The indicator should light when you turn the key switch to ON.
- The light should go out when the engine starts.

### B—BATTERY INDICATOR

**IMPORTANT:** If the indicator lights YELLOW when the engine is running, STOP THE ENGINE. Find and correct the cause or the battery will lose power.

- The YELLOW indicator light means the battery is not getting enough charge from the alternator.
- The indicator should light when you turn the key to RUN.
- The light should go out when the engine starts.

### C—F725 ENGINE COOLANT TEMPERATURE INDICATOR

**IMPORTANT:** If the indicator lights RED when the engine is running, STOP THE ENGINE. Find and correct the cause, or you may damage the engine.

- The RED indicator light means the engine coolant is too HOT.
- The indicator should not light when you turn the key to RUN.
- The light should go ON when you turn the key to START, and should go out when the engine starts.



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## RIGHT-SIDE PEDALS

### A—PARK BRAKE PEDAL

- Push the pedal down for an EMERGENCY STOP.
- When you push the pedal down, the travel pedal (B or C) will return to NEUTRAL and the PTO will stop.
- You must hold the pedal down or LOCK park the brake before you can start the engine.
- To LOCK the park brake:
  - Move the park brake lock lever forward to the LOCK position. See PANEL CONTROLS in this section.
  - Push the pedal down to LOCK the brake.
- To UNLOCK the brake:
  - Push the pedal down.
  - Move the lever to the rear to the UNLOCK position.
  - Release the pedal.

### B—FORWARD TRAVEL PEDAL

- Push the pedal down to travel forward. Push the pedal further to travel faster.
- Release the pedal: it will return to neutral and stop the Front Mower.

### C—REVERSE TRAVEL PEDAL

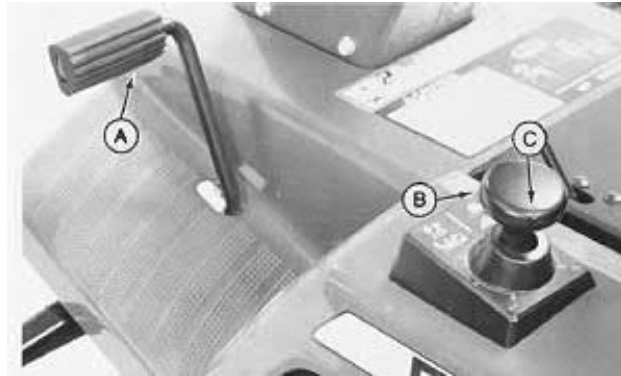
- Pivot foot from Forward Travel Pedal (B) to Reverse Travel Pedal (C).

**⚠ CAUTION: Before you back the Front Mower, LOOK CAREFULLY behind it.**

- Push pedal down to travel in reverse. Push pedal further to travel faster.
- Release pedal: it will return to neutral and stop the Front Mower.



## DIFFERENTIAL LOCK PEDAL AND WEIGHT TRANSFER CONTROL



### DIFFERENTIAL LOCK PEDAL

Push the pedal (A) down to help improve traction on slopes and in slippery places.

**IMPORTANT: Use the pedal ONLY when you need more traction.**

**⚠ CAUTION: Do not LOCK the differential at high speed or turn the Front Mower when the differential is LOCKED.**

To LOCK the differential:

- Push the pedal down.
- The differential will stay LOCKED as long as you hold the pedal down OR as long as wheel slip is unequal.

To UNLOCK the differential: RELEASE the pedal.

### WEIGHT TRANSFER CONTROL

Use the weight transfer control (B) to help improve traction.

To help transfer some of the mower weight to the drive wheels:

- Check the position of the notch (C) with the plus (+) and minus (−) signs on the base.
- Turn the control knob clockwise toward the plus (+) sign to help add weight to the drive wheels.
- Turn the knob counterclockwise toward the minus (−) sign for less weight to the drive wheels.

**⚠ CAUTION: Do not lift the mower on slopes or at fast speeds. This could cause the Front Mower to become unstable.**

To LIFT the mower when you come to an obstacle:

- PULL KNOB UP: Mower will stay UP as long as you hold knob up.
- RELEASE THE KNOB: Knob and mower will go back down.



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## SEAT CONTROLS

### A—SEAT CONTROL LEVER

- Sit on the operator's seat.
- Pivot and hold the lever to the left.
- Slide the seat forward or to the rear to the desired position.
- Release the lever.

### B—HANDLE—TO RAISE OR LOWER THE SEAT

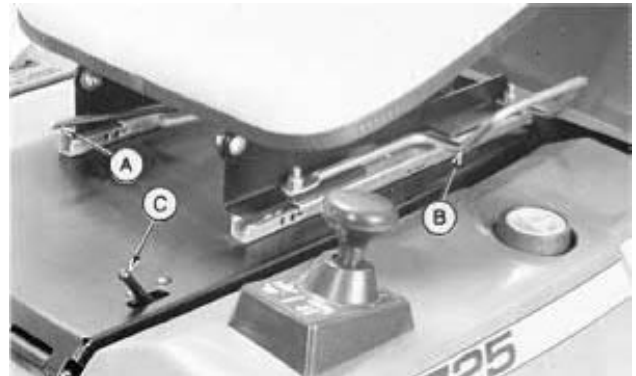
**!** **CAUTION: RAISE or LOWER the seat ONLY from the LEFT side of the Front Mower, and only when the engine is not running.**

#### To RAISE the seat:

- Grasp the handle (B).
- Lift the rear of the seat base to latch the seat in FIRST or SECOND position.

### C—SEAT RELEASE LEVER

- To lower the seat from the raised position:
  - Lift seat slightly with the RIGHT hand on the handle (B).
  - Pull and hold the release lever (C) to the rear with the LEFT hand.
  - Lower the seat.



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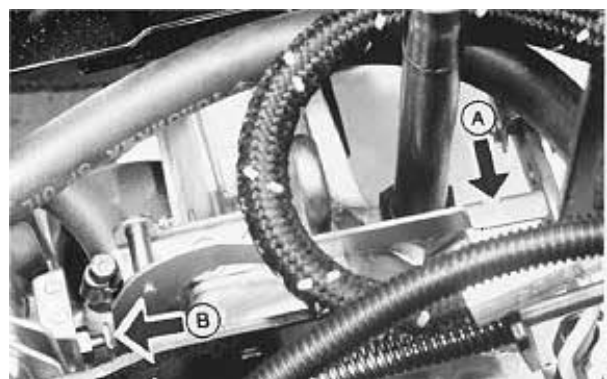
MX,CTFR,E -19-07JAN91

## FREE-WHEELING LEVER

**IMPORTANT: Do not tow the Front Mower. See the Transporting section.**

To move the Front Mower with the engine off:

1. UNLOCK the park brake.
2. Lift the seat to the second position.
3. Push the lever (A) down to hold the button (B) down.
4. Hold the lever down as you move the Front Mower to the desired position.
5. Release the lever. Lower the seat.



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