

# **1800 Utility Vehicle**

**(Serial No. 020161 – )**

## **OPERATOR'S MANUAL**

**John Deere  
Lawn & Grounds Care Division  
OMMT4664 H7**

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



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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.



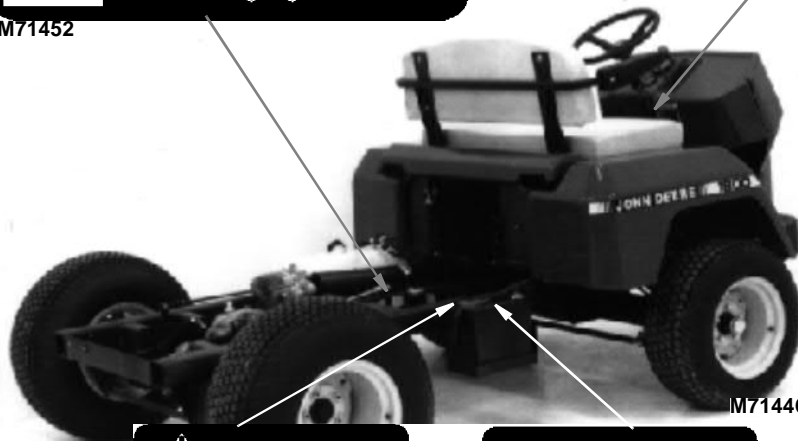
## Machine Safety Labels



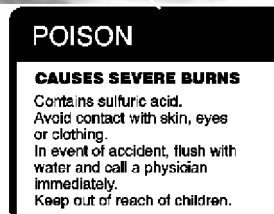
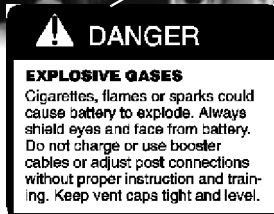
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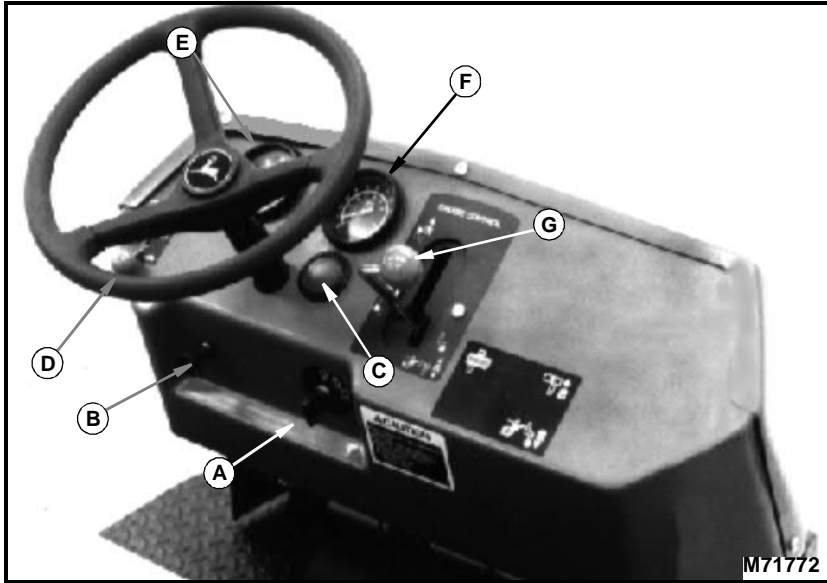
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# CONTROLS

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## Dash Controls



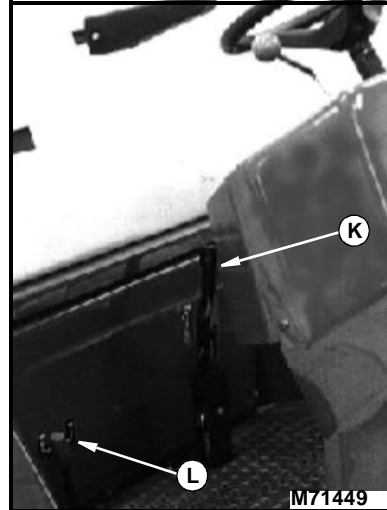
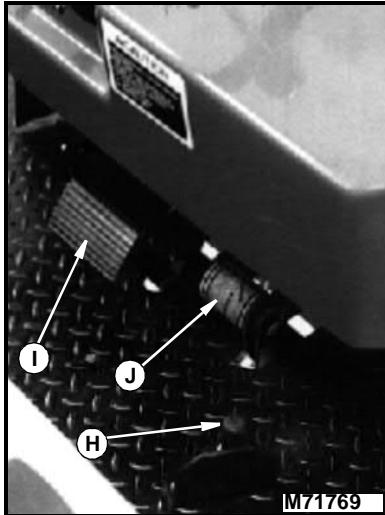
- A - Key ..... Starts engine.
- B - Choke Lever.....Chokes engine for starting.
- C - Indicator Lights.....Monitors machine functions
- D - Throttle Lever..... Controls engine speed.
- E - Tachometer/Hourmeter
- F - Speedometer
- G - Hydrostatic (Cruise) Control Lever Controls forward, reverse, and cruise travel.

# CONTROLS

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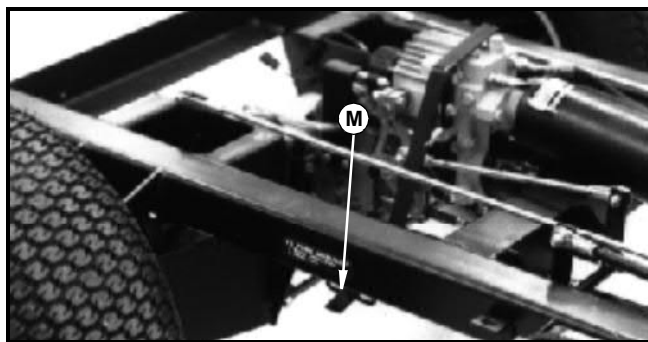
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## Foot/Platform Controls



- H - Reverse Travel Pedal..... Controls backward travel.
- I - Service Brake Pedal ..... Stops machine.
- J - Forward Travel Pedal ..... Controls forward travel.
- K - Park Brake Lever ..... Engages park brake.
- L - 2-Speed Axle Shift Lever .....Select high/low travel speed.

## Free-Wheeling Lever



- M - Free-Wheeling Lever ..... Allows machine to move short distances without the engine running.

# OPERATING

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## **Operate Safely**

- Check brake action before you operate. Adjust or service brakes as necessary.
- 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. Replace worn parts.
- 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.
- 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.
- Be alert at all times, drive forward carefully. People can move quickly into the area before you know it.
- Back carefully. Shut off PTO and look behind the machine carefully, especially for children, before you back up.

## **Park Safely**

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

# OPERATING

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## 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 operating with a load, limit loads to those you can safely control, and use counterweights when required per 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.



## 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 and **ONE** passenger on the machines bench seat. Keep riders off except on the bench seat.
- Riders on the machine or attachment (other than on the vehicle seat) may be struck by foreign objects or thrown off the machine causing serious injury.



# OPERATING

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## 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.



## Stay Clear Of Rotating Drivelines

Entanglement in rotating driveline can cause serious injury or death:

- Keep hands, feet, and clothing away from power driven parts.
- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.



## 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.

## Attachments

- Use approved attachments only.
- Traction is reduced without an attachment installed. Operate only on level ground and slowly without an attachment.

# OPERATING

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## 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.



- Flashing warning lights are recommended whenever driving on public roads to increase visibility. Extra flashing warning lights may need to be installed.
- A safety lighting kit is available from your John Deere distributor.

## 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.

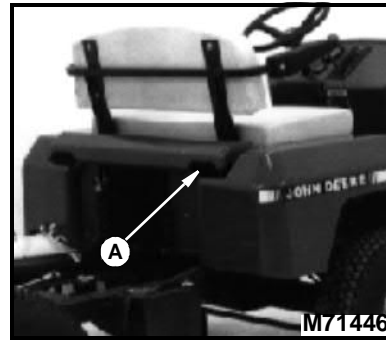
# OPERATING

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## Raising And Lowering Seat

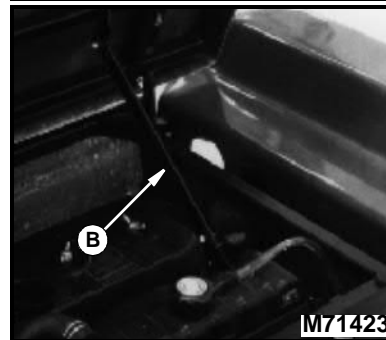
### To raise seat:

1. Lift up on back of seat (A) and tip seat forward to expose engine compartment.
2. Push down on seat support (B) to lock seat in forward position.



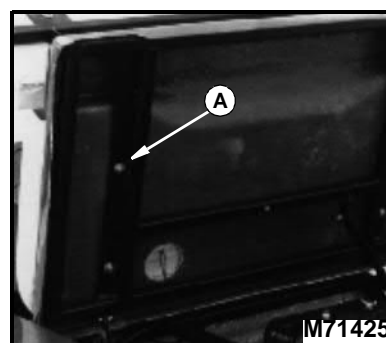
### To lower seat:

1. Push up on seat and pull up on seat support to release seat from locked position.
2. Hold on to seat and lower it to the operating position.



## Adjusting Seat

1. Raise seat and lock seat in forward position.
2. Loosen four nuts (A) on underside of seat.
3. Move seat forward or backward to the desired position.
4. Tighten nuts.
5. Lower seat.



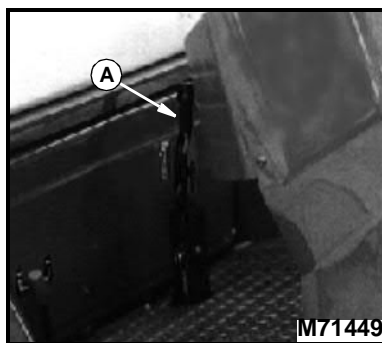
## OPERATING

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### Using The Park Brake

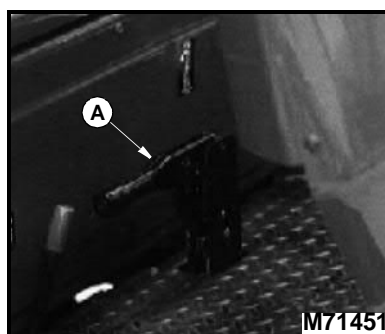
To ENGAGE park brake:

- Pull park brake lever (A) up.



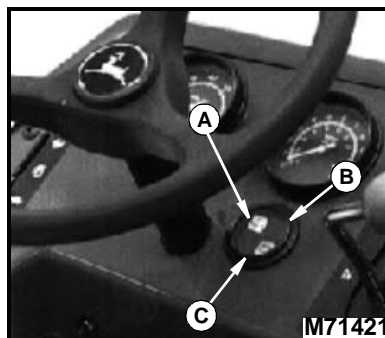
To DISENGAGE park brake:

- Push park brake lever (A) down.



### Indicator Lights

- Engine Oil Pressure indicator (A) will come on when engine oil pressure is too low.
- Battery Discharge indicator (C) will come on when output is too low.
- Water temperature indicator (B) will come on when water temperature is too high.



If indicator light comes on during operation, stop engine and perform appropriate service.

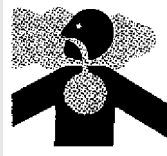
If appropriate service information cannot be found in this manual, refer to vehicle technical manual or see your John Deere distributor.

# OPERATING

## Starting The Engine



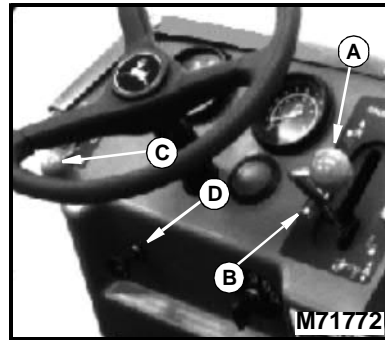
**CAUTION:** Engine exhaust fumes can cause sickness or death.



- If it is necessary to run an engine in an enclosed area, remove the exhaust fumes for the area with an exhaust pipe extension.
- If you do not have an exhaust pipe extension, open the doors and get outside air into the area.

**NOTE:** Engine will not start unless brake pedal is completely depressed or park brake is engaged.

1. Put hydrostatic (cruise) control lever (A) in the STOP (neutral) position (B).
2. LOCK park brake or push down brake pedal.



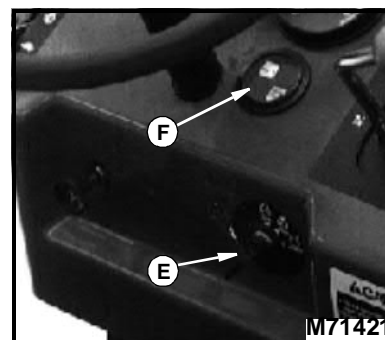
3. Push throttle control lever (C) up to 1/4 position.

**NOTE:** You do not need to choke a warm engine.

4. **Cold engine:** Pull choke lever (D) out to full choke position.
5. Turn key (E) to RUN position.

Check indicator lights (F):

- Engine Oil Pressure light should be on.
- Battery Discharge light should be on.



## OPERATING

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6. Turn key to START position:

- Engine Coolant Temperature indicator light should come on and go out.
- Crank engine.
- If engine does not start within 5 seconds, wait 10 seconds.
- Crank engine again 5 seconds.

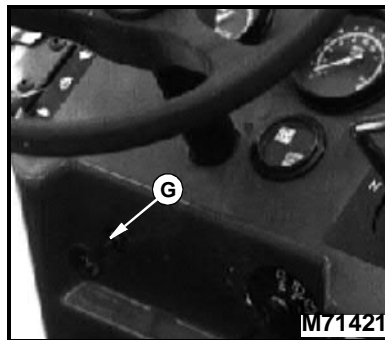
Repeat this procedure if necessary.

7. As soon as engine starts, release key. The key will return to the RUN position and indicator lights should go off. If light does not go off, stop engine and perform appropriate service.

### **Cold engine:**

8. After engine starts, gradually push the choke knob halfway in. You may have to leave the choke knob halfway in until the engine warms.

9. As engine warms, gradually push choke knob (G) all the way in.



### **Stopping The Engine**

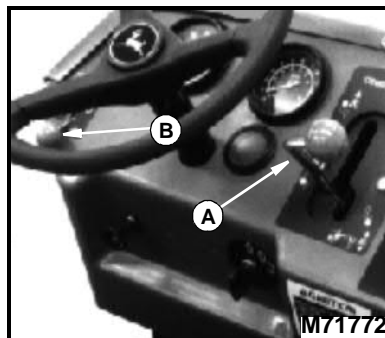
1. Put hydrostatic (Cruise) control lever (A) in the STOP (neutral) position.

2. Pull throttle lever (B) down to SLOW. Allow engine to idle for a minute.

3. Turn key to OFF.

4. Remove key.

5. Engage park brake.



# OPERATING

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## Daily Operating Checklist

- ✓ Test Safety System.
- ✓ Check tire pressure.
- ✓ Check fuel level.
- ✓ Check engine oil level.

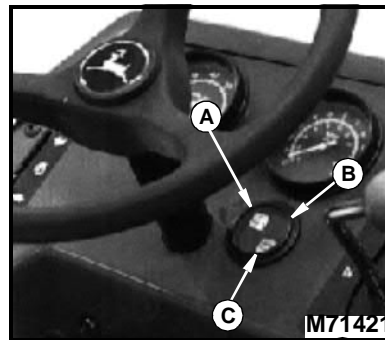
### Testing Safety Systems

Use the following procedure to check for normal operation of vehicle. If there is a malfunction during one of these procedures, DO NOT operate vehicle. (See technical manual or your John Deere distributor for service.)

#### TEST 1

Check operation of indicator lights:

- Turn key to RUN position. DO NOT crank engine.
- Engine Oil Pressure (A) and Battery Discharge indicator (C) must light.
- Engine Coolant Temperature (B) indicator must light when you crank the engine.



If one indicator does not light, replace indicator bulb. (See Replacing Indicator Light Bulb in SERVICE-ELECTRICAL section.)

If new indicator bulb does not light or no indicators work, see your John Deere distributor.

## OPERATING

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### TEST 2

1. Unlock park brake (A).
2. DO NOT push down service brake pedal.
3. Turn key to START position.
4. Engine must NOT crank.



### TEST 3

First half of test:

- Start engine. (See Starting The Engine in this section.)
- Unlock park brake.
- Stand up. DO NOT get off vehicle. Engine should stop.

Second half of test:

- Start engine. (See Starting The Engine in this section.)
- LOCK park brake.
- Stand up. Engine should continue to run.



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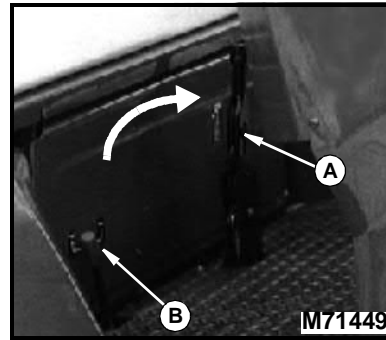
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# OPERATING

## Using Travel Controls

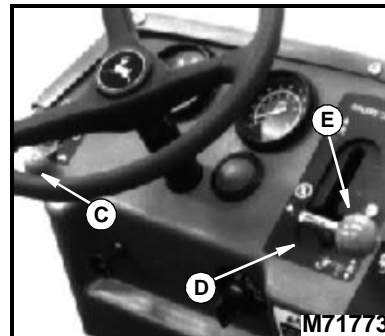
1. Start the engine.
2. Push down brake pedal.
3. Push park brake lever (A) down to the unlocked position.
4. Move the axle shift lever (B) to the proper speed for the job.
5. Release brake pedal.



**IMPORTANT: Run engine at full throttle for best engine performance.**

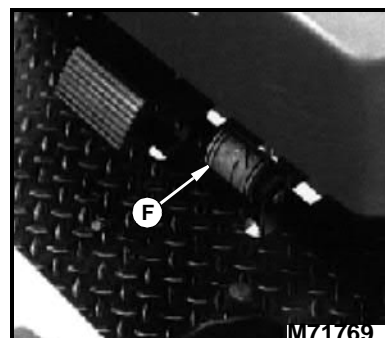
6. Move hydrostatic (cruise) control lever (E) to the right and down to the operating position (D).
7. Push throttle lever (C) up to the FAST position.

**NOTE: When hydrostatic (Cruise) control lever is in the Operating position, forward OR reverse travel pedals can be used.**



### 8. To travel forward:

- Slowly push down forward pedal (F). Vehicle will travel faster the farther down you push the pedal.



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