

# OMM

## Operator's Manual

John Deere  
Electric 90 Mower

OM-M47049  
Issue J2





# Safety Precautions

**⚠** Improper use or maintenance of the Electric 90 Mower and its equipment can result in injury. To reduce this possibility, give complete and undivided attention to the job at hand and follow these safety precautions.

## Preparation

*Know your controls.* Read this manual carefully. Learn how to stop the traction drive and mower motors quickly in an emergency.

*Do not allow children to operate machine; nor adults to operate it without proper instructions.*

*Keep children and pets a safe distance away.*

*Never permit any person other than the operator to ride or board the riding mower at any time.*

*Clear work area of objects which might be picked up and thrown.*

*Always wear relatively tight and belted clothing when operating the Electric 90 Mower. Loose jackets, shirts, sleeves or other loose clothing should not be worn because of the danger of catching them in moving parts or controls.*

*Read and observe all "CAUTION" AND "WARNING" decals appearing on mower and equipment. See page 1.*

*Remove charging cord from wall receptacle before starting traction motor.*

## Operation

*Give complete and undivided attention to the job at hand.*

*Do not attempt to operate riding mower when not on the seat.*

*Do not use mower unless discharge chute guard is in place.*

*Never direct discharge of any material toward bystanders nor allow anyone near machine while it is in operation.*

*Disengage clutch and shift into neutral before starting traction drive motor.*

*To stop ground travel, depress both the brake and clutch pedals. The Electric 90 Mower will coast if only the clutch pedal is depressed.*

*Always stop ground travel before shifting gears.*

*Do not mow or drive on steep slopes. Always winch Electric 90 onto a tilt-bed trailer.*

*Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes; never across the face.*

*Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.*

*Stay alert for holes in terrain and other hidden hazards. Always drive slowly over rough ground.*

*Stop and inspect riding mower and attachments for damage after striking a foreign object. Repair damage before restarting and operating the equipment.*

*Turn off mower motors and traction motor (1) before leaving operator position, (2) before making any repairs or adjustments, (3) when transporting or not in use, or (4) when unclogging mower discharge chute.*

*Take all possible precautions when leaving riding mower unattended; such as lowering attachments, shifting into neutral, setting parking brake, stopping all motors, and removing key.*

*Mow only in daylight or in good artificial light.*

*Never make a cutting height adjustment while motors are running if operator must dismount to do so.*

*Set mower at highest cutting height when mowing rough ground or tall weeds.*

*Avoid operating mower in wet grass.*

*Use care when pulling loads or using heavy equipment. Use only approved drawbar hitch points. Limit loads to those you can safely control. Do not turn sharply. Use care when backing.*

*Watch out for traffic when crossing or working near roadways.*

## Maintenance and Storage

*Disconnect a battery cable from a negative terminal when working on the electrical system.*

*Keep vehicle and attachments in good operating condition and keep safety devices in place.*

*Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.*

*Follow maintenance instructions in this manual. Have a competent serviceman inspect the mower each year.*

*Check blade mounting bolts for proper tightness at frequent intervals.*

Charge batteries in a ventilated area.

Keep shroud raised while charging batteries until timer returns to "OFF."

Keep flames away and avoid smoking while working around batteries to avoid fires or explosion.

Do not tip mower on end unless batteries are first removed from the mower. Acid could cause injury or machine damage.

Do not remove battery cover except to disconnect battery cables.

Do not service battery while recharging.



**CAUTION**

Rotating blades under this entire mower deck.  
Keep hands and feet away.

M12102



**CAUTION**

Do not operate mower with discharge chute guard removed.

**WIDTH OF CUT** 


M12101



**CAUTION**

1. Keep discharge chute guard in place.
2. Before servicing machine: disengage power, shut off motors, make sure mower blades have stopped revolving, remove key from main switch.
3. Do not stand near machine while blades are in motion.
4. Keep hands, feet and clothing away from power-driven parts.

M12234




**CAUTION**

1. Combustible gas produced when charging batteries. Do not charge in enclosed or unventilated area.
2. While charging, leave hood in raised position and keep sparks and open flame away.

**CHARGER OPERATION**

1. With control knob in OFF position, plug into grounded 110/125 Volt AC 60 cycle outlet.
2. Rotate knob to ON. When batteries are fully charged, charger will automatically turn off.
3. Always turn knob to OFF position before removing cord from outlet.
4. Leave cord plugged into outlet for automatic battery maintenance (see Operator's Manual).


M12235



**CAUTION**

<ol style="list-style-type: none"> <li>1. Study your operator's manual before attempting to mow. Learn how to stop quickly.</li> <li>2. Keep all shields in place.</li> <li>3. This vehicle is not for street or highway use.</li> <li>4. Keep people and pets a safe distance away.</li> </ol>	<ol style="list-style-type: none"> <li>5. Before dismounting: depress clutch and brake pedals, set parking brake, shift transmission into NEUTRAL, move both MAIN and MOWER switches to OFF position.</li> <li>6. Remove MAIN switch key before servicing, adjusting, or leaving the vehicle unattended.</li> </ol>
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M12236



**CAUTION BATTERY CARE AND MAINTENANCE**

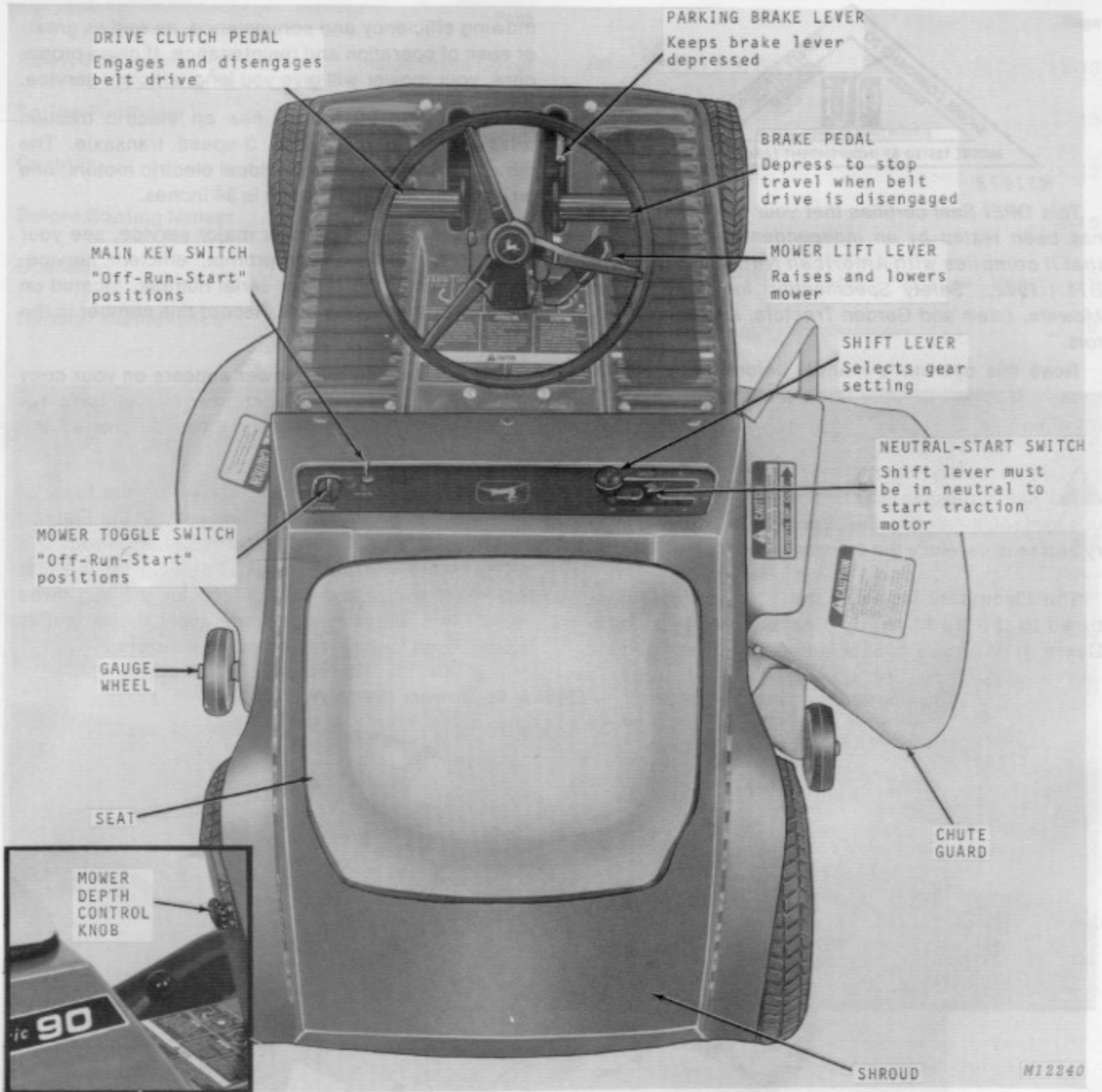
<ol style="list-style-type: none"> <li>1. Do not remove battery cover except for service.</li> <li>2. Do not service while charging battery.</li> </ol>	<ol style="list-style-type: none"> <li>1. Always recharge batteries immediately after use.</li> <li>2. Never store batteries in a discharged or partially discharged condition.</li> <li>3. Electrolyte level—Check monthly or as necessary. Before charging—Add water until plates are just covered. After charging—Add water until level is to split ring. Do not overfill.</li> </ol>
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# Controls

To the Purchaser





## Before Starting Mower

### PREPARING THE MOWER



Move charger control timer knob to "OFF", if not in that position. Unplug the charger cord from the electrical outlet. Coil the cord and store it in the compartment between the batteries.

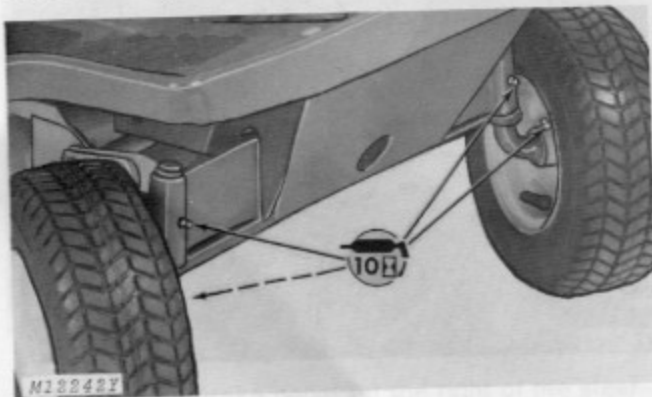
Raise the shroud slightly and pivot the shroud brace to the rear. Lower the shroud.

### Checking Tire Pressure

Check tire pressures with a low-pressure tire gauge. Inflate front tires to 8 psi; rear tires to 6 psi.

A JDST-13 Low-Pressure Tire Gauge is available from your John Deere dealer.

### Lubricating Grease Fittings



Lubricate the four grease fittings illustrated with John Deere Multi-Purpose Lubricant or an equivalent SAE multipurpose-type grease every 10 hours of operation. Use either a hand grease gun or the John Deere Pisto-Luber with flexible hose (available from your John Deere dealer.)

### Checking Transaxle Lubricant



Check transaxle lubricant level periodically with mower parked on a level surface. Remove oil level-fill plug. Lubricant should be level with hole. If necessary add John Deere AM30200 Transmission Lubricant with a JD94 Pressure Oil Can until lubricant runs out of hole. John Deere SAE 90 Gear Lubricant or an equivalent SCL multipurpose-type gear oil also can be used in the transaxle.

