

John Deere

CLICK ANYWHERE FOR MORE DETAILS

MODEL:

70 Lawn Tractor

MANUAL PREVIEW

**OPERATOR'S
MANUAL**



purchase full manual

JENSALES.COM
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
JOHN DEERE OR IT'S SUCCESSORS. JOHN DEERE AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

JD-O-OMM47700

CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

Operator's
Manual

John Deere
70 Lawn Tractor

JENSALES®

purchase full manual at

JENSALES.COM

or Call 800-443-0625

OM-M47700

Issue F3

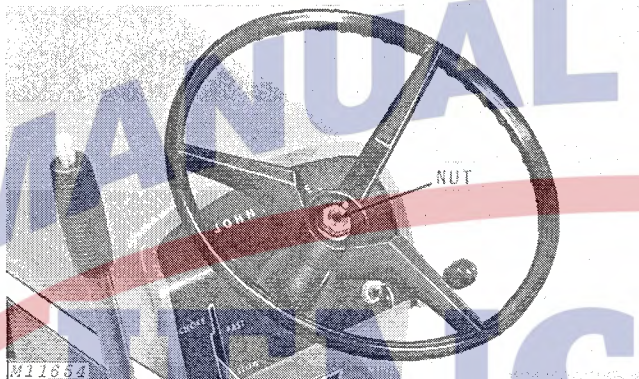
CLICK ANYWHERE FOR MORE DETAILS

JOHN DEERE 70 LAWN TRACTOR

PREDELIVERY CHECK LIST

IMPORTANT: If it is necessary to raise or tilt the tractor for service or installing attachments, tilt only to the right side or rearward as instructed on page 11 in the operator's manual.

☐ Install Steering Wheel



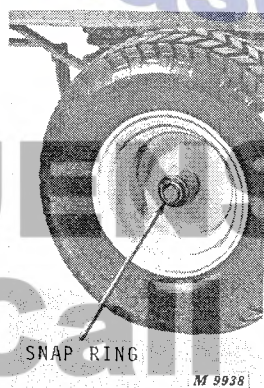
Place plastic foam washer on steering shaft.

Position steering wheel on steering shaft with single spoke down when front wheels are straight ahead.

Install nut and tighten to a maximum torque of 10 to 12 ft-lbs. Press cap into steering wheel hub.

Remove backing from decal and install decal in cap with leaping deer horizontal when front wheels are positioned straight ahead.

☐ Install Front Wheels



Install front wheels on spindles with valve stems toward inside. Install 3/4 x 1-1/4-inch plain washer and snap ring.

NOTE: Install the beveled (smooth) side of snap ring against plain washer to prevent snap ring from climbing out of groove.

Fit plastic cap over wheel hub and press in place.

Grease wheels.

☐ Remove Battery and Add Electrolyte to Battery

CAUTION: Battery electrolyte is poisonous and can be injurious to eyes, skin and clothing. Handle it carefully.

Electrolyte is not furnished with the tractor. It is available from your Parts Depot in the following quantities:

Part No.	Description
PT511	Z-Pak, 6 Qts.
PT509	EZE-PAK, 5 Gal.
PT510	F-Pak, 5 Gal.
TY5003	Hose for 5 Gal., F-Pak

Use only battery grade sulfuric acid electrolyte with 1.265 specific gravity plus or minus 0.005 corrected to 80 degrees Fahrenheit.

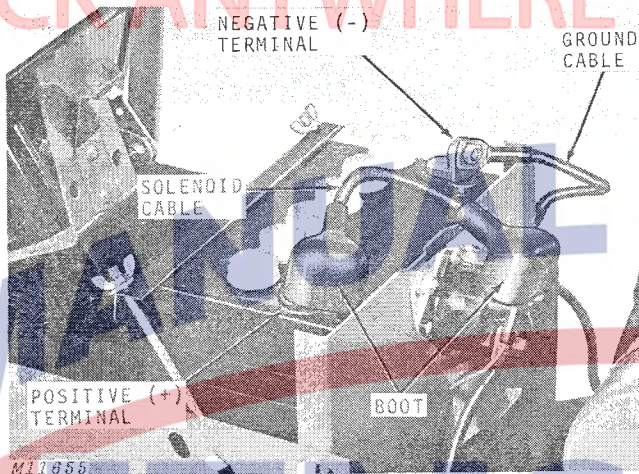
IMPORTANT: Be sure to remove battery from tractor before filling with electrolyte. This will prevent accidental damage to tractor in case of acid spill.

Use special precaution when filling this small battery. With battery removed from tractor, pour in electrolyte slowly until visible in the bottom of the filling tube. Then charge at 15 amps for 10 minutes or 7 amps for 30 minutes. **Do not exceed recommended charging rate.**

After charging, add electrolyte until level with circular split ledge in filler tube. Thereafter, add only water as use and time require.

PREDELIVERY CHECK LIST—Continued

☐ Install Battery



Clean and dry battery exterior and position in battery case. Tighten hold-down wing nuts only finger tight. Coat battery posts and cable clamps with petroleum jelly.

1. Attach solenoid cable to the positive (+) battery terminal with 5/16 x 1/2-inch bolt and nut.
2. Slide rubber boots on solenoid cable to completely cover terminals on each end of cable.
3. Attach ground cable to negative (-) terminal with 1/4 x 1/2-inch carriage bolt and nut.

IMPORTANT: Be sure to connect solenoid cable to positive battery terminal and ground cable to negative terminal as shown. Reversing these connections may burn out fuse on rectifier panel or possibly damage other electrical components.

☐ Connect Rectifier Wire



The rectifier wire is disconnected for shipment to protect the rectifiers and fuse from burning out if the tractor is started manually before the battery is installed. After charging and connecting battery, connect rectifier wires at connector "A" on rectifier panel. Be sure connectors are pushed together firmly.

More information about the rectifiers and fuse is given on page 13 in the operator's manual.

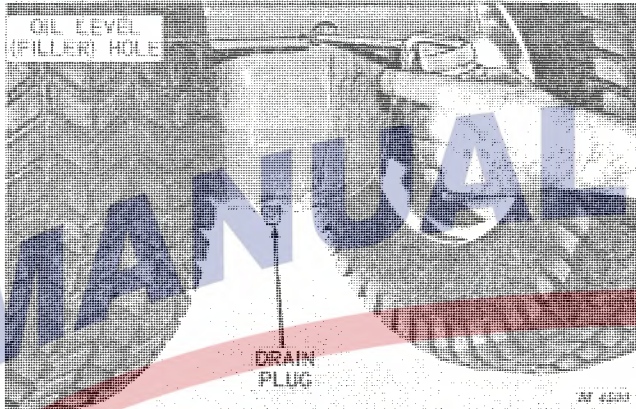
JENSALES.COM

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

PREDELIVERY CHECK LIST—Continued

☐ Check Transmission Oil Level



Remove oil level (filler) plug on front of transaxle and check oil level.

When required, use a pressure oil can to add AM30200 Transmission Lubricant until oil leaks out filler hole. Be sure tractor is on a level surface.

John Deere SAE 90 Gear Lubricant or an equivalent SCL multipurpose-type gear oil also can be used in the transmission.

☐ Check Engine Crankcase Oil Level



Park the tractor on a level surface, stop the engine, and raise the hood. Wipe dust and dirt from around the dipstick. Unscrew cap and pull out dipstick to check the oil level.

If necessary, add John Deere Torq-Gard or Torq-Gard Supreme engine oil or its equivalent of the proper viscosity (see chart below) to bring oil level up to the full "F" mark on the dipstick when the dipstick is screwed in tight. If oil other than Torq-Gard or Torq-Gard Supreme is used, see page 9 of operator's manual for specifications.

NOTE: Oil should not be over full "F" mark.

JOHN DEERE TORQ-GARD AND TORQ-GARD SUPREME ENGINE OIL

Air Temperature Season	Oil Viscosity	1/2-pint pop-top can (6 per carton)	1-quart can
Summer Above 32°F.	SAE 30	AR53085 AR63979*	AR48100 AR63218*
Winter Below 32°F.	SAE 5W-20	AR53086 AR63980*	AR49996 AR63228*

* Torq-Gard Supreme Engine Oil

CLICK ANYWHERE FOR MORE DETAILS

Contents

	Page
Safety precautions	Inside front cover
To the purchaser	2
Controls	3
Operation	4-7
Service interval chart	8
Lubrication	9-10
General maintenance	11-17
Storage	18
Trouble shooting	19-20
Specifications	21-22



M12774

70 Tractor with 34 Rotary Mower

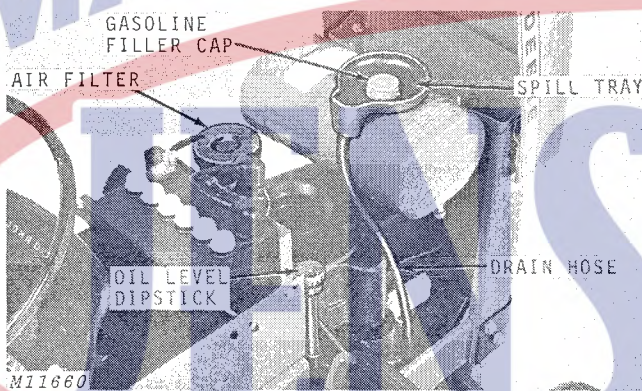
CLICK ANYWHERE FOR MORE DETAILS

CLICK ANYWHERE FOR MORE DETAILS

Operation

BEFORE STARTING ENGINE

Fill Gas Tank



Raise the tractor hood and wipe dust and dirt from around the gasoline filler cap and spill tray before removing it. Keep dirt out of the tank while filling.

Fill the gas tank with fresh regular grade or non-leaded gasoline having an octane rating of 90 or higher. DO NOT use premium, ethyl, or white gasoline. Never use special additives such as carburetor cleaners, de-icers, or moisture removing liquids in your gasoline.

IMPORTANT: Do not mix oil with gasoline. Be sure fuel containers are absolutely clean.

Check Crankcase Oil Level

With the tractor on a level surface, wipe dust and dirt from around the dipstick before removing it. The oil level should be at the "F" mark on the dipstick when the dipstick is screwed in tight. Do not overfill. If necessary, add oil as instructed on page 9.

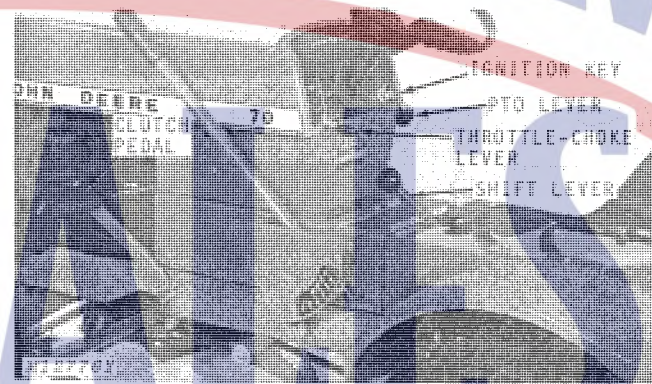
IMPORTANT: Change oil after the first 2 hours of operation as instructed on page 9.

Check Air Filter

Be sure the air filter on the carburetor is clean. See page 11.

STARTING THE ENGINE

Electric Starting



1. Disengage PTO clutch by pulling PTO lever to rear position. Fully depress clutch pedal and hold it down.

NOTE: This is a dual safety feature. The engine will not start unless the clutch pedal is depressed and the PTO clutch is disengaged.

2. Raise the throttle-choke lever to approximately 1/4 open position. If the engine is cold, raise the lever to the "CHOKE" position at top of slot. Usually it isn't necessary to choke a warm engine.

3. Turn ignition key clockwise to "START" position. If throttle-choke lever is in "CHOKE" position, lower lever half way between "FAST" and "SLOW" when engine begins to run. If the weather is extremely cold, choking may be necessary until the engine warms up.

NOTE: Allow engine to warm up before applying load.

4. Release ignition key and it will return to the "RUN" position.

CLICK ANYWHERE FOR MORE DETAILS

Manual Starting

Your tractor also can be started manually if the battery becomes discharged or if the electrical system should become inoperative for any reason.



IMPORTANT: Disconnect rectifier wire at connector "A," whenever battery is inoperative or removed from electrical system. Failure to disconnect rectifier wire will cause damage to the electrical system. (See pages 12 and 13.)

1. Place shift lever in "NEUTRAL" position. (See photo on opposite page.)
2. Depress brake pedal and lower parking brake knob, locking brake.
3. Disengage PTO clutch by moving PTO lever to rear position.



CAUTION

1. Keep all shields and discharge chute guard in place.
2. Before servicing machine, disengage power, shut off engine, make sure knife arms have stopped revolving, disconnect spark plug cable.
3. Do not stand near machine while knives are in motion.
4. Keep hands, feet and clothing away from power driven parts.

4. Raise throttle lever to "CHOKE" position, if required for normal starting.

5. Turn ignition key to "RUN" position.



6. Insert starter rope knot in slot in engine sheave and wrap rope clockwise around sheave. Pull rope to start engine.

NOTE: Any rope may be used to start tractor, or the AM32088 Rope Assembly (shown) may be ordered from your John Deere dealer.

7. Move throttle lever from "CHOKE" position to operating range.

IMPORTANT: The above procedure must be followed for safe manual starting of engine.

STOPPING THE ENGINE

Allow engine to idle a few minutes until it cools. Abrupt stopping of a hot engine can damage engine intake and exhaust valves.

Turn ignition key counterclockwise to "OFF" position and remove key.



CAUTION: Always remove ignition key before leaving tractor to prevent unauthorized operation.

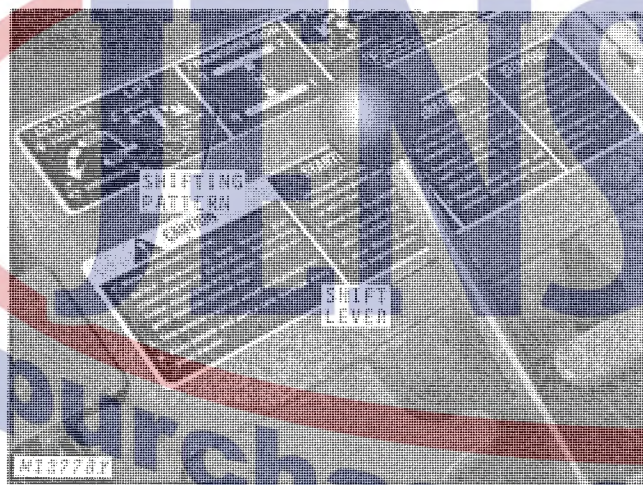
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

OPERATING THE TRACTOR



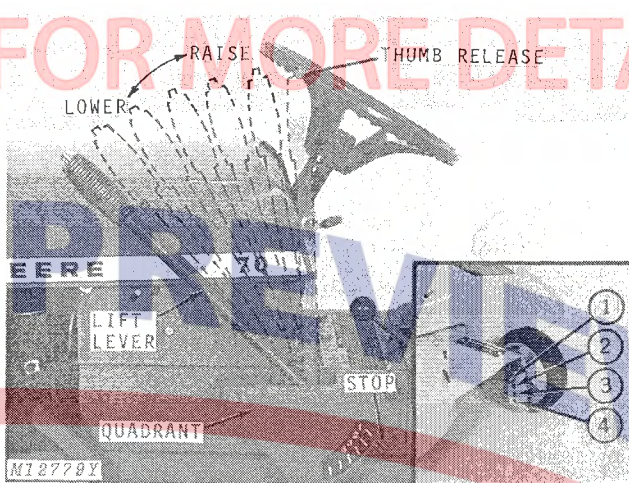
1. Fully depress brake pedal to release parking brake. Hook parking brake knob in top of slot to keep parking brake in released position.



2. Fully depress clutch pedal and shift transmission into desired gear. Always stop tractor completely before shifting gears. Use a strong, steady motion to slide gears firmly into mesh. If necessary, release clutch pedal quickly and then depress fully again to rotate gears enough for easy engagement. Never "grind" gears.

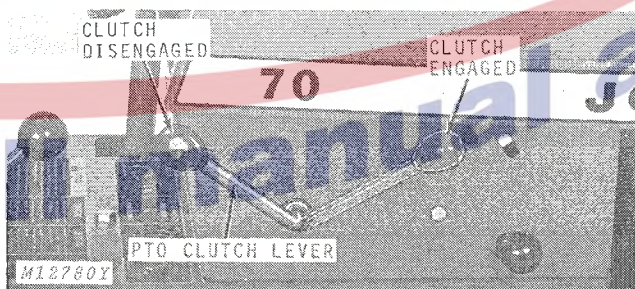
3. Press thumb release and move lift lever forward to lower mounted equipment; rearward to raise equipment. Release thumb pressure to lock lever in position.

Pull downward on the stop and pivot it into the detent behind the quadrant to stop the lever (and mounted equipment) at the same position each time the equipment is lowered.



NOTE: Numbers 1, 2, 3, and 4 on the lever quadrant correspond with the mower gauge wheel positions 1, 2, 3, and 4 shown on the inset in the illustration above. With both the lift lever and mower gauge wheel in position 1, the mower is properly adjusted for shortest grass cutting. Positions 2, 3, and 4 will cut grass higher.

To lock attachments in transport position, pull lever all the way back and move stop to the last (lowest) notch on the quadrant.



4. Both the mower and snow thrower are engaged and disengaged with the power take-off (PTO) clutch lever. Move the lever forward to engage the clutch. Move the lever rearward to disengage the clutch.

Engage the power take-off (PTO) clutch slowly to avoid a sudden load on the drive mechanism.

5. Raise throttle lever to operate power-driven equipment at full throttle.

6. Release brake pedal and slowly release clutch pedal.

STOPPING THE TRACTOR

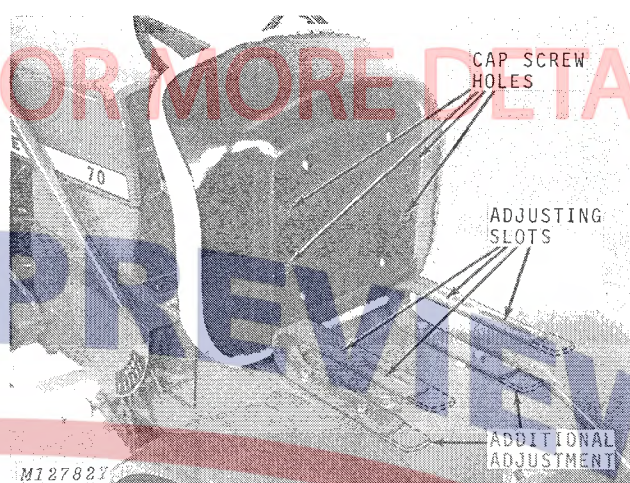
1. Fully depress both the clutch and the brake pedals to stop the tractor. Keep pedals depressed.
2. Shift transmission into neutral and release clutch pedal.



3. Lower parking brake knob to set parking brake. Release brake pedal. It will remain in lowered position.
4. Move PTO clutch lever to rear to disengage power-driven equipment.
5. Lower mounted equipment to the ground by moving lift lever forward.
6. Lower throttle-choke lever to bottom of slot and idle engine for one or two minutes before turning ignition key to the "OFF" position.
7. Remove key.

CAUTION: Remove the key each time you leave the tractor. Then you are certain the ignition and lights (extra equipment) are off. Also, it prevents inexperienced operators from starting the tractor.

ADJUSTING POSITION OF SEAT



The upper part of the tractor seat spring is slotted to permit forward or rearward adjustment of the seat.

Loosen the four cap screws and slide seat to desired position. Tighten cap screws securely.

The lower part of the spring can be moved 1-1/2 inches to the rear by removing the four bolts and installing them in rear set of holes in tractor deck.



MOWER SAFETY



When using your tractor with a mower:

- (1) Mow only in daylight or in good artificial light.
- (2) Never make a cutting height adjustment while engine is running if you must dismount to do so.
- (3) Shut engine off when unclogging discharge chute.
- (4) Check blade mounting bolts for proper tightness at frequent intervals.
- (5) Do not use tractor for mowing unless mower discharge chute guard is in place.

or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS