

JOHN DEERE 3700 MOWER



OPERATORS MANUAL JOHN DEERE 3700 MOWER

OME44359 D1 English

JOHN DEERE OTTUMWA WORKS
OME44359 D1

LITHO IN THE U.S.A. (REVISED)
ENGLISH






To the Purchaser

Your new mower was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in this operator's manual. Each section is clearly identified so you can easily find the information you need - whether it is operation, lubrication, or service. Read the "Table of Contents" to learn where each section is located. Use the alphabetical index for fast reference.

In addition to the equipment furnished with your mower, attachments are available to help you do a better job in special crop conditions. These are described in the attachment section of this manual and can be purchased from your John Deere dealer.

 This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

This operator's manual contains SI Metric equivalents which follow immediately after the U.S. customary units of measure.

"Right-hand" and "Left-hand" sides are determined by facing in the direction the mower will travel when in use.

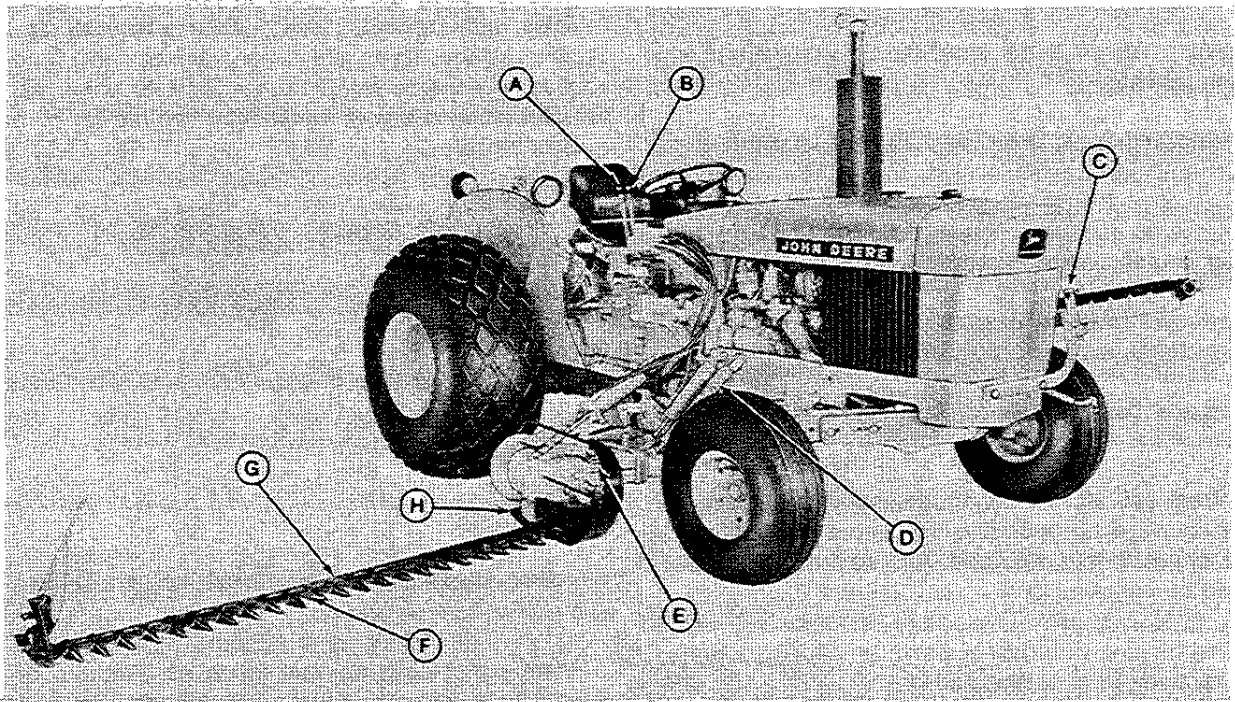
Record your mower serial number in the space provided on page 30. Your dealer needs this information to give you prompt, efficient service when you order parts. If your mower requires replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere parts—accept no substitutes.

The warranty on this mower appears on your copy of the purchase order which you should have received from your dealer when you purchased the mower.



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E19236

A—Outer Shoe Control Lever
 B—Inner Shoe Control Lever

C—Knife Carrier
 D—Float Spring

E—Safety Release Spring
 F—Knife

G—Cutterbar
 H—Inner Shoe

John Deere 3700 Mower on a JD300 Turf Tractor



Safety Suggestions

! The safety of the operator was one of the prime considerations in the minds of John Deere engineers when this mower was designed. Shielding, simple adjustments, and other safety features were built into the mower wherever possible.

You can make your farm a safer place to live and work if you observe the safety suggestions given. Study these suggestions carefully and insist they be followed by those working with you and for you.

All machinery should be operated only by responsible people who have been delegated to do so.

Before starting, make sure bystanders are clear of the mower so they cannot be struck by moving parts or caught in a drive belt or chain.

Never clean, oil, or adjust the mower with the tractor engine running.

Provide a first-aid kit for use in case of accident. Use proper antiseptics on scratches and cuts without delay.

Always disengage power to cutterbar and shut off tractor engine before dismounting from tractor.

Lower cutterbar on ground and stop tractor engine before disconnecting hydraulic hoses.

Replace badly frayed or worn belts before they break.

Protect against the risk of personal injury and machine damage by operating implement only on rpm PTO for which it is designed. A 1000 rpm implement should be operated only on a 1000 rpm PTO.

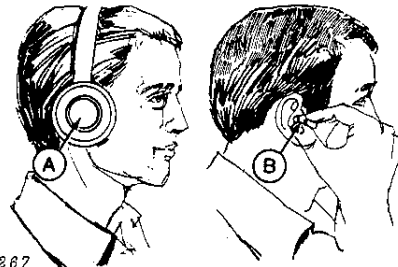
When raising cutterbar by hand, be certain to keep fingers away from cutting parts.

To avoid injury from escaping hydraulic oil under pressure, relieve the pressure in the system by moving the hydraulic control levers in both directions.

Escaping fluid under pressure can have sufficient force to penetrate the skin causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than the hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection can develop if proper medical treatment is not administered immediately.

When transporting the mower on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. Various lights and devices are available from your John Deere dealer. Clean the SMV (Slow Moving Vehicle) emblem before transporting the mower on a road or highway.



A—Earmuffs
B—Earplugs

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

Hearing protective devices (such as earmuffs or plugs) can effectively protect against loud noise.



Operation

PREPARING THE MOWER

The degree of satisfaction given by your mower is directly dependent upon the care given by the operator. Once the mower has been adjusted to meet the crop condition, the rest is up to the operator.

Understand the Function of All Working Units

This mower is built to handle a wide range of conditions. Field conditions vary from year to year, from day to day, and even from hour to hour. Different varieties of crops present widely different mowing problems. A careful study of the adjustments on your mower, and what they accomplish under different conditions, will allow you to reap the many benefits and economies that a mower can provide.

Before starting your mower in the field, be sure you are thoroughly familiar with the function of each working unit. Study the illustrations carefully and become familiar with the adjustments necessary to obtain best results.

Lubrication

Check to see that your mower has been lubricated according to lubricating instructions, pages 7 and 8.

Inspection

Do not start the tractor until the mower has been carefully checked for correct assembly and installation. See that all nuts are tight and cotter pins spread. Be certain all moving parts work freely and are properly lubricated. Check that tractor front wheel tread has been set at 59 to 64 inches (1499 to 1626 mm).

CAUTION: Protect against the risk of personal injury and machine damage by operating implement only on rpm PTO for which it is designed. A 1000 rpm implement should be operated only on a 1000 rpm PTO.

Start tractor engine and while idling, slowly engage PTO. Let mower run slowly for awhile and observe knife and other moving parts to see that they operate freely and normally. Check levers and controls to see that they operate properly.

MOWER OPERATION

Break-In

Operate mower at half speed for 15 minutes. Disengage PTO and stop tractor engine; check bearings for overheating.

Start tractor engine and while idling, slowly engage PTO. Increase engine speed and operate mower at rated PTO speed for 30 minutes.

After mower has operated for a total of 45 minutes, stop tractor engine and check mower to see that all nuts and bolts are tight.

CAUTION: Always disengage power to cutterbar and shut off tractor engine before dismantling from tractor.

Operating Speed

Various mowing conditions require different mowing speeds. Best results will be obtained by running the tractor at the travel speed that will meet crop and field conditions, or the speed providing the smoothest mowing action.

Avoid excessive speeds. Reasonable speeds result in more work being accomplished by the end of the day.

Operate tractor engine to obtain the SAE rated PTO speeds. Running the engine at slow speed reduces the knife speed and may cause the knife to clog where cutting is heavy. Where difficult conditions make it necessary to slow down the travel speed of tractor, shift to a lower gear rather than retard the engine speed. By shifting to a lower gear, the engine will maintain its rated speed, which will keep the knife running at the proper speed for best results.

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