

John Deere 50 Side-Mounted Mower

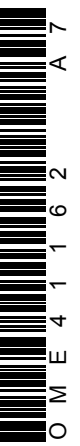


OPERATORS MANUAL John Deere 50 Side-Mounted Mower

OME41162 A7 English

John Deere Ottumwa Works
OME41162 A7

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



TO THE PURCHASER

This manual contains the necessary information to operate, lubricate, adjust, service, assemble and install your new John Deere mower.

If you should find that you require information not covered in this manual, consult your John Deere dealer. He will be glad to answer any question that may arise regarding the operation and service of the mower. He has trained mechanics who are kept informed on the best methods of John Deere mower servicing and can give you prompt know-how service in the field or in his shop.

KEEP YOUR MOWER A JOHN DEERE MOWER

Should your mower require replacement parts, go to your John Deere dealer where you will receive genuine John Deere parts—accept no substitutes. John Deere parts fit properly and insure satisfactory service because they are made from the original patterns and from the same material as used in new machines.

LOCATION REFERENCE

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

"Clockwise" refers to parts turning to the right like the hands of a clock.

"Counterclockwise" refers to parts turning to the left.

SERIAL NUMBER

When ordering parts, refer to the model and serial number. By doing so, you will assist your John Deere dealer in giving you prompt, efficient service.

The serial number plate is located on the drive head yoke.

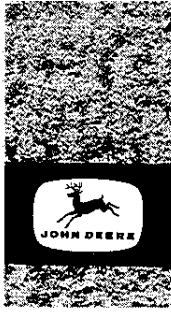
Record the serial number and purchase date in the spaces provided below.

Serial No. _____

Date Purchased _____

CONTENTS

	Page		Page
Specifications	1	Special equipment	20
Operation	2	Installation	21
Safety suggestions	6	Shipping bundles	21
Lubrication	7	Attaching hanger to tractor	22
Adjustment and service	9	Attaching drive to tractor	25
Trouble shooting	18	Assembly of mower	27
		Attaching mower to tractor	29
		Installing cutter bar and knife	30
		Attaching transport latch rod	31



SPECIFICATIONS

CUTTER BAR

Length of cut 6-, 7-, or 9-foot
 Type of knife sections Heavy-duty
 Speed of knife 1800 strokes per minute
 Tilt 10 degrees up; 10 degrees down
 Breakaway 60 degrees
 Type of lift Tractor remote hydraulic cylinder

DRIVEHEAD BEARINGS 3 needle; 4 tapered roller

CRANKSHAFT DRIVE. Two stage V-belt drive; single belt from countershaft and double matched pair of belts from tractor PTO to countershaft

CUTTING RANGE

	Up-Angle	Down-Angle
Inner shoe at ground level	60 degrees	20 degrees

COUNTERSHAFT BEARINGS. 2-Sealed ball

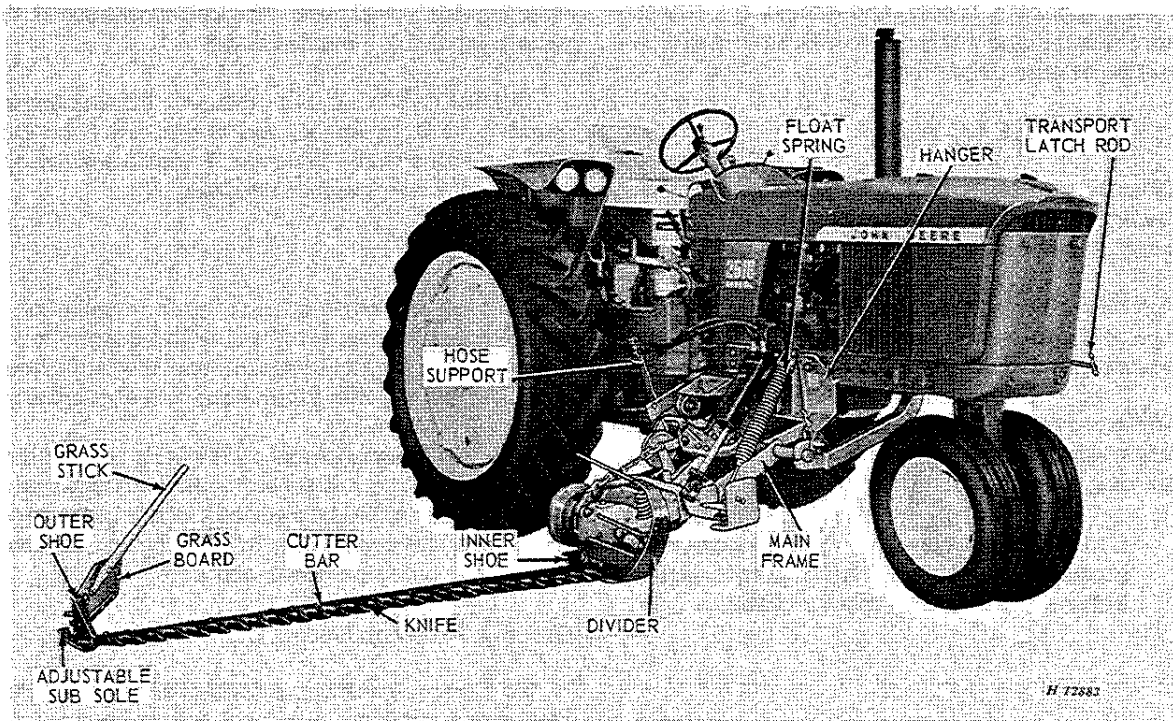
TRACTOR HOOK-UP Mounted on tractor

CUTTER BAR DRIVE Enclosed crankshaft attached to yoke creating an oscillating motion

FOR TRACTORS Listed on page 22

CRANKSHAFT SPEED 900 rpm

APPROXIMATE SHIPPING WEIGHT 589 pounds—Equipped with 7-foot cutter bar



*John Deere 50 Side-Mounted Mower
 Attached to a John Deere 2510 Row-Crop Tractor*

H 12883



OPERATION

On the following pages, you will find information on how to operate your John Deere Mower. Read and follow these instructions carefully for dependable, economical service.

PREOPERATION INSPECTION

Do not start tractor until 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.

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 a while and observe knife and other moving parts to see that they operate freely and normally. Check tractor levers and controls to see that they operate the mower properly.

BREAK-IN PERIOD

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 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 cutter bar and shut off tractor engine before dismounting from tractor.

FIELD OPERATION

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.

IMPORTANT: Do not engage PTO with engine running at high speed. Do not operate tractor PTO at more than 1000 rpm. To do so may cause undue wear or possible breakage.

Turning Corners

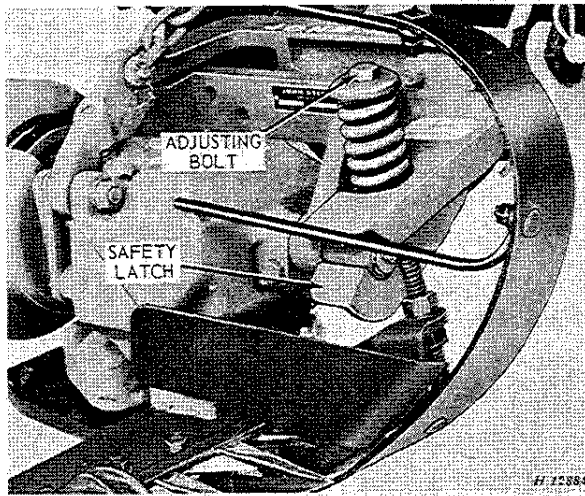
This mower will cut neat, square corners. It is seldom necessary to raise the cutter bar at corners. Turn quickly when near the end of cut, using brake to pivot right-hand wheel of tractor.

When turning corners to the left, run tractor in low gear. The cutter bar swings around faster when turning in this direction and this, of course, increases the possibility of striking an unnoticed fence post or some other obstacle.

Gummy Trash on Cutter Bar

To remove gummy trash that packs on wearing plates and guards, operate slowly and pour water on bar. Do not allow trash to harden.

Safety Spring Release



A safety spring release prevents damage to the mower by allowing the cutter bar to swing back when an obstruction is encountered during operation.

After the safety latch releases and the cutter bar swings back, it is not necessary to leave the tractor seat. Just cramp the front wheels to the left and back up the tractor until the mower is in normal position and the safety latch catches.

Spring tension may be adjusted by means of the adjusting bolt. Tighten adjusting bolt (clockwise) only enough to assure that bar will not release under normal cutting conditions.

Transporting

When moving from one field to another, or any considerable distance, the cutter bar should be placed in its transport position.

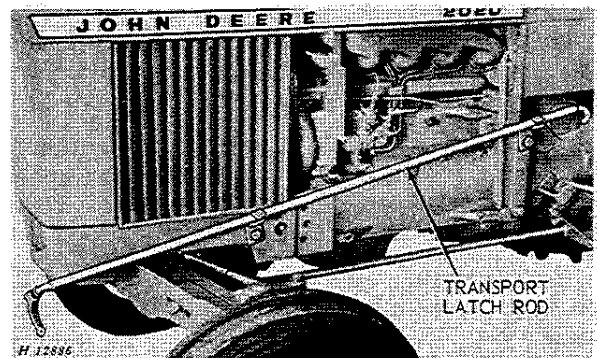
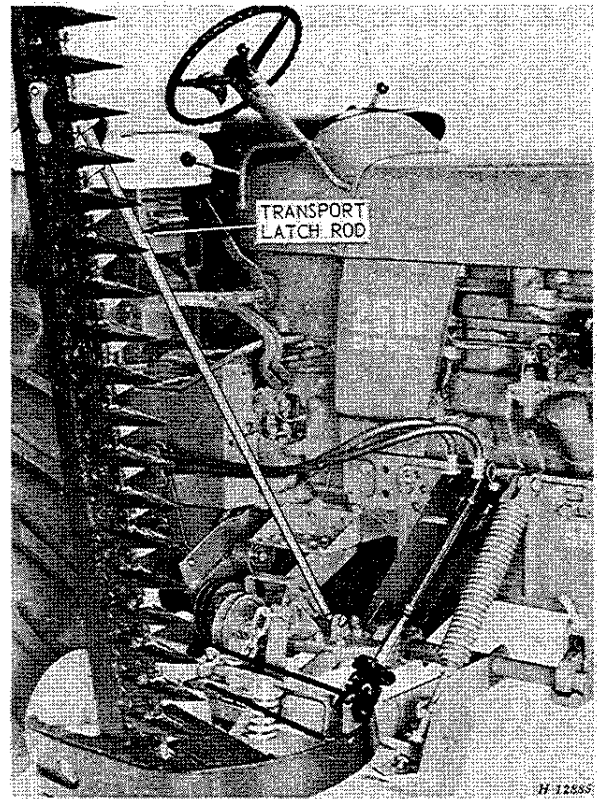
Raise cutter bar to its highest position. Hook transport latch rod into eye on main frame. Raise cutter bar to an upright position and fit other end of transport latch rod through hole in cutter bar. Secure with tail nut.

When equipment is transported on road or highway, use accessory lights and devices for adequate warning (day and night) to other vehicles. In this regard check local governmental regulations.

When not in use, transport latch rod fits into clips on left-hand side of tractor frame.

Be sure the power to cutter bar is disengaged and tractor engine is shut off before handling cutter bar.

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



STORING FOR THE WINTER

When storing mower for the winter, clean off the dirt, tighten loose bolts, spread cotter pins, and grease the knife and wearing parts on cutter bar.

Order new parts that will be needed before the mower is used again.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com