

John Deere 11 Trail-Type Mower



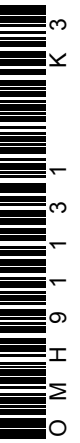
OPERATORS MANUAL

John Deere 11
Trail-Type Mower

OMH91131 Issue K3 English

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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 servicing your John Deere mower. He can give you prompt know-how service in the field or in his shop.

Should your mower require replacement parts, go to your John Deere dealer where you will receive genuine John Deere parts—accept no substitutes.

"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 front of the cutter bar yoke.

Record the serial number in the space provided below.

Serial no. _____

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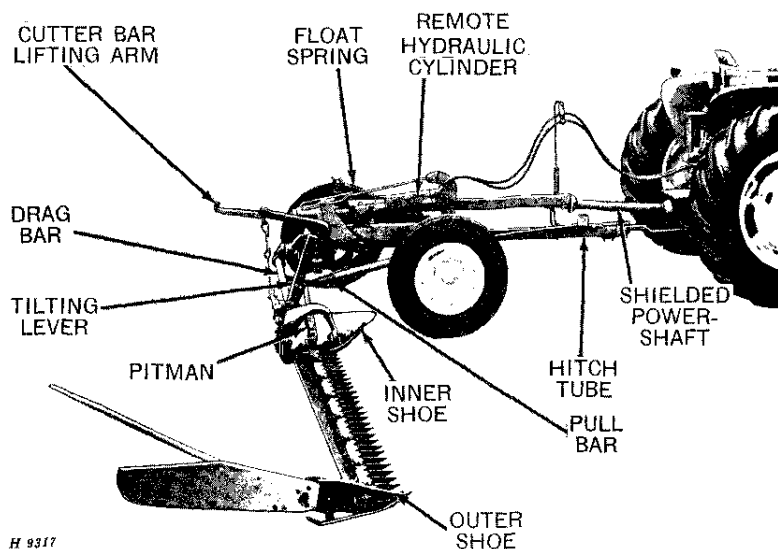
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SPECIFICATIONS

Length of cutter bar	6-, 7- or 9-foot
Type of power	Power take-off on tractor
Type of drive	Steel roller drive chain
Main drive shaft bearings, rear	Tapered roller
front	Tapered roller
Flywheel shaft bearings, rear	Tapered roller
front	Tapered roller
Pitman bearings	Tapered roller
Main drive chain lubrication .	Enclosed in oil
Type of wheels	14- or 15-inch drop center rim
Approximate shipping weight with 7-foot cutter bar	770 pounds

(Specifications and design subject to change without notice.)



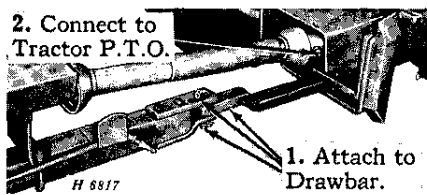
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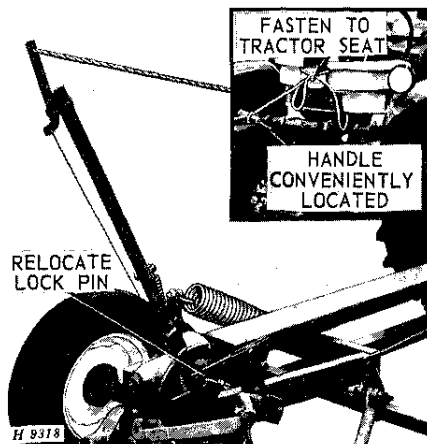
OPERATION

Attaching mower to tractor

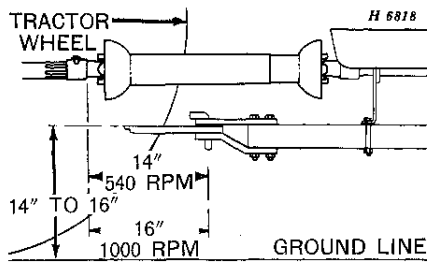
Attaching PTO and hitch



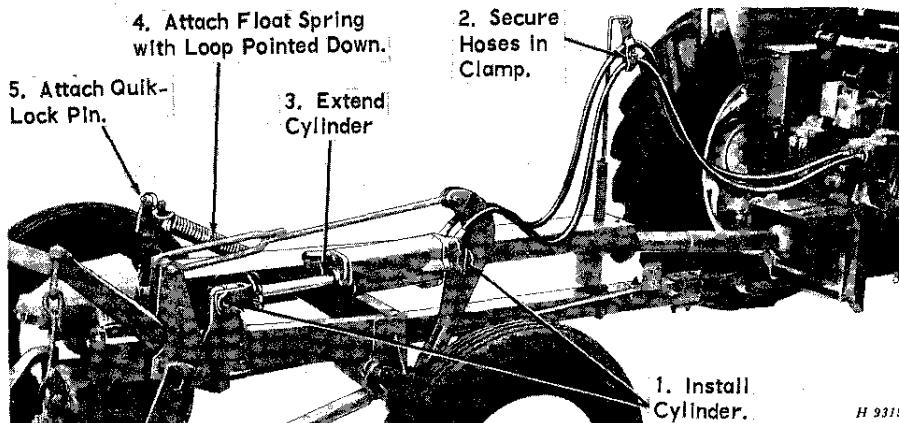
Hooking up rope controlled hand lever



Adjusting hitch

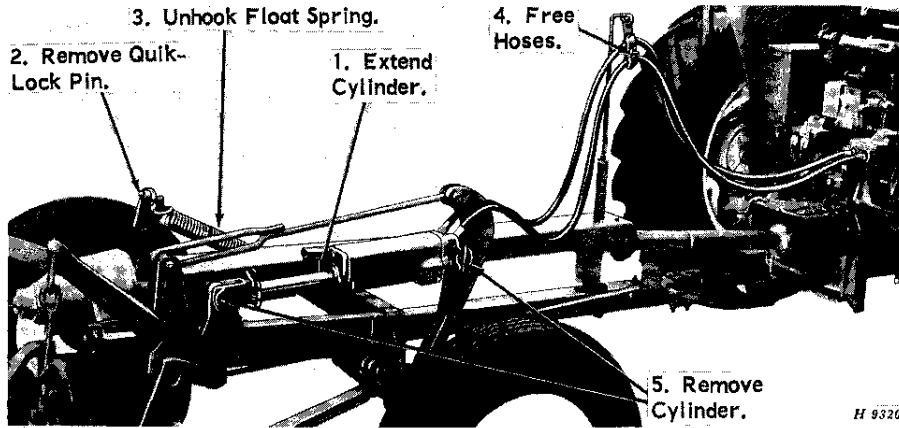


Installing remote hydraulic cylinder

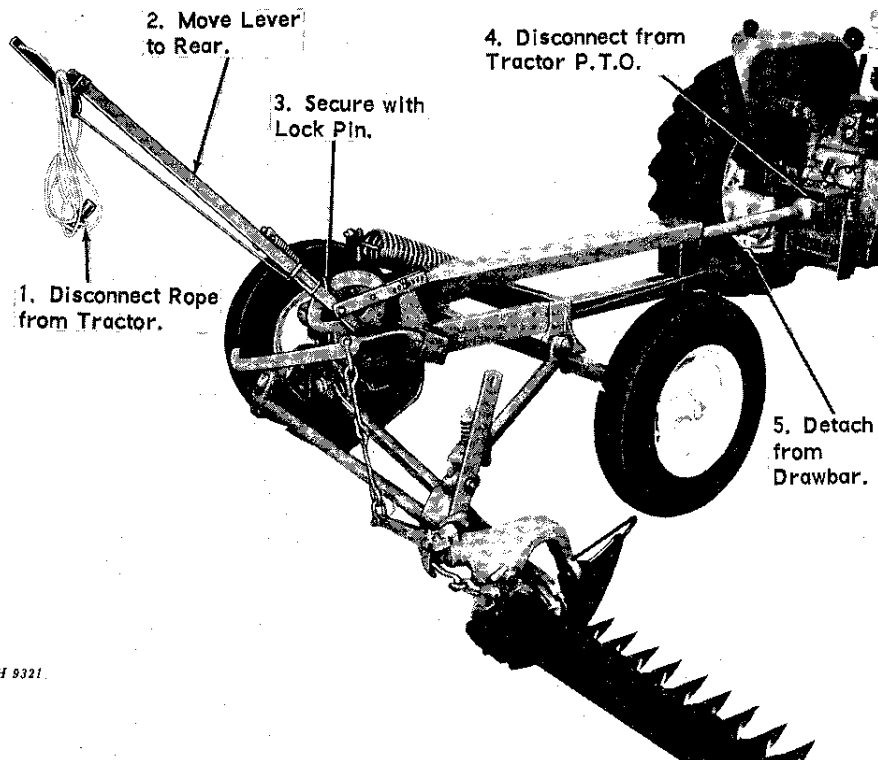


Removing Mower from Tractor

Removing remote hydraulic cylinder



Unfastening rope-controlled hand lever and disconnecting PTO and hitch



4. operation

Mowers equipped with remote hydraulic cylinder

Adjust remote hydraulic cylinder for full stroke (see your tractor operator's manual). *NOTE: Be sure remote hydraulic cylinder oil lines are connected to the tractor so cutter bar is raised when tractor control lever is moved forward on the John Deere 2010, 3010, 3020, 4010, and 4020 Tractors. On the older Waterloo tractors, the control lever is moved rearward.*

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. Check to see that the powershaft telescopes freely.

Start tractor engine and while idling, slowly engage power take-off. Let mower run slowly for a while 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.

After mower has been in full speed operation for one hour, stop tractor and mower and check mower to see that all nuts and bolts are tight.

Field operation

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.

Operating speed

Under most conditions, the tractor can be driven at 4 to 5 miles per hour without causing undue wear on mower. Avoid excessive speeds. Reasonable speeds result in more accomplished by the end of the day.

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 where the smoothest mowing action results.

Operate engine to obtain the SAE rated power take-off 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.

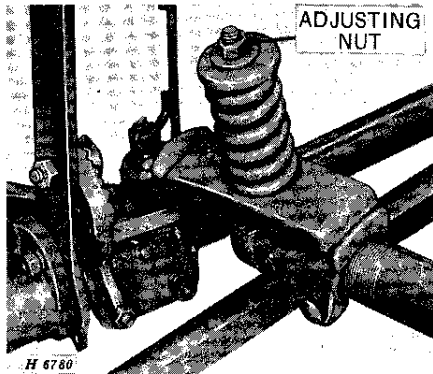
Do not engage power take-off with engine running at high speed. To do so may cause undue wear or possible breakage.

APPROXIMATE NUMBER OF ACRES CUT PER HOUR													
Miles per hour	2	2¼	2½	2¾	3	3¼	3½	3¾	4	4¼	4½	4¾	5
6-Foot Cut	1-1/2	1-5/8	1-7/8	2	2-1/8	2-3/8	2-1/2	2-3/4	3	3-1/8	3-1/4	3-1/2	3-3/4
7-Foot Cut	1-3/4	1-7/8	2-1/8	2-3/8	2-1/2	2-3/4	3	3-1/8	3-1/2	3-5/8	3-3/4	4	4-1/4
9-Foot Cut	2-1/4	2-3/8	2-3/4	3	3-1/4	3-1/2	3-7/8	4-1/8	4-3/8	4-5/8	4-7/8	5-1/8	5-1/2

Additional traction for mower wheels

In some cases, such as cutting in very heavy or dense crops, particularly with a 7-foot or 9-foot cutter bar, side draft may cause some "side slippage" on the mower wheels. This can be overcome by adding liquid weight to the tires. It is recommended that a water calcium chloride solution be used. This solution, added to the inner tubes, will not damage the inner tube or tire if used in the proper proportions. The addition of the calcium chloride prevents the water from freezing. See your John Deere dealer for this service.

Safety spring release

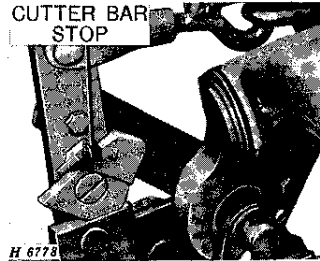


A safety spring release prevents damage to the mower by allowing the cutter bar to swing back when a field obstruction is encountered.

After the safety latch releases and the cutter bar swings back, cramp the front wheels to the left and back the tractor until mower is in normal position and the safety latch catches.

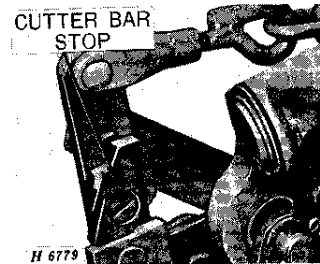
Spring tension may be adjusted by means of adjusting nut. Do not tighten spring more than necessary for satisfactory operation.

Cutter bar stop



Cutter bar stop in operating position

Whenever mower is being operated, be sure cutter bar stop is in "operating" position as shown in the above illustration.



Cutter bar stop in transporting position

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.

Storing for the winter

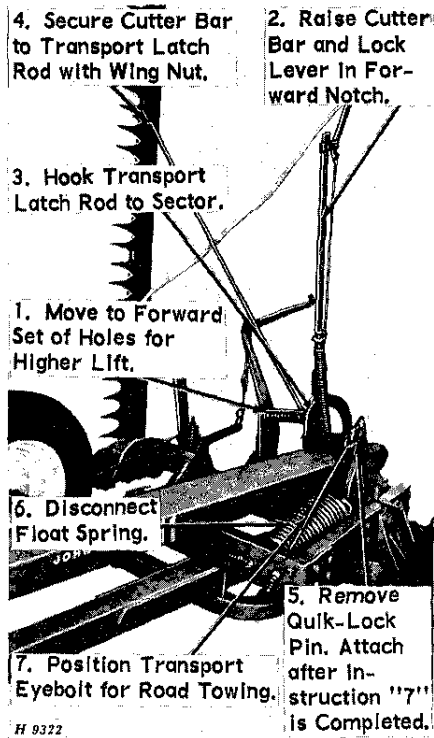
When storing mower for the winter, be sure cutter bar is not tilted so pitman is under strain—it is likely to take a permanent twist and later cause trouble. If possible, remove pitman.

Clean off the dirt, tighten loose bolts, spread cotter pins, and grease the knives and wearing parts on cutter bar. Order the new parts that will be needed before the mower is used again.

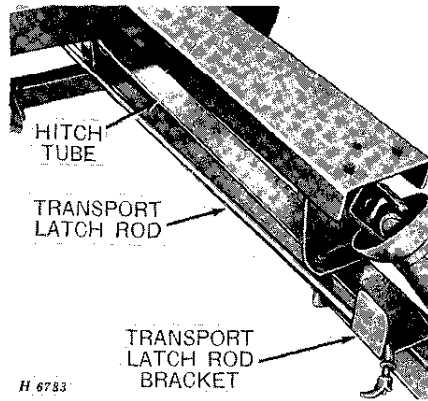
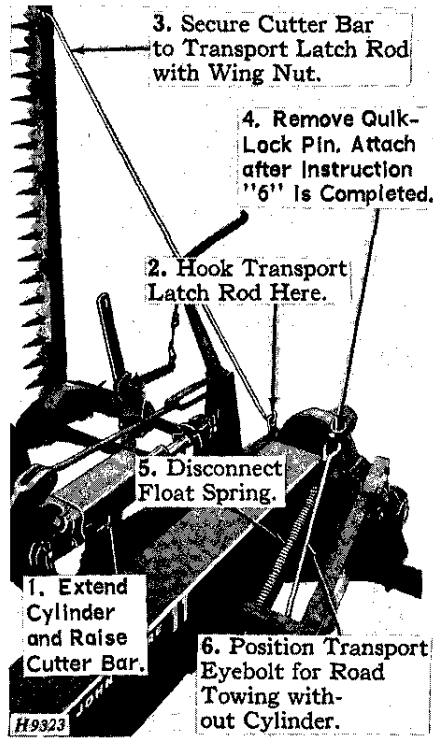
6 operation

Transporting

Rope controlled hand lever



Remote hydraulic cylinder



To store the transport latch rod, hook it into the rear of hitch tube and position it on top of axle and transport latch rod bracket.

NOTE: It may be necessary to adjust bracket so latch rod fits snug and will not come loose.



SAFETY SUGGESTIONS



H 6830

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.

However, investigation of thousands of farm accidents shows that careless use of farm machinery causes nearly 1/3 of all farm accidents. You can make your farm a safer place to live and work if you observe the safety suggestions given below. Study these suggestions carefully and insist that they be followed by those working with you and for you.

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

Never clean, oil, or adjust the mower when it is running.

Always disengage the PTO and shut off the tractor engine before cleaning a clogged cutter bar.

Clothing worn by operator should be fairly tight and belted. Loose jackets, skirts, shirts, or sleeves should never be worn because of the danger of getting into moving parts.

Be sure shielded powershaft is in place and in good condition before starting in the field.

Make sure everyone is clear of the mower and tractor before starting so no one can be struck by moving parts.

When transporting tractor and mower on a road or highway at night or during the day, use accessory lights and devices for adequate warning to the operators of other vehicles. In this regard check local governmental regulations. Various safety lights and devices may be obtained from your John Deere dealer.

IMPORTANT: Inexperience and lack of "know-how" in repair and maintenance can result in personal injury as well as equipment damage. Know what to do and how to do it before attempting a job.

CAUTION: Protect against the risk of personal injury and machine damage by operating implement only on the power take-off speed for which it is designed or converted. A 540 rpm implement should be operated only on a 540 rpm PTO. A 1000 rpm implement should be operated only on a 1000 rpm PTO.



LUBRICATION

Chain drive housing

Keep a good grade of SAE 80 or SAE 90 multipurpose gear lubricant up to oil fill plug in chain housing. Oil should be drained and new oil should be put in at the beginning of each mowing season. Do not use burned-out crankcase oil from automobile or tractor. Check oil level at least every 50 hours of operation. To drain oil, remove lower cap screw from lower cover at bottom of chain drive housing.

Bearings

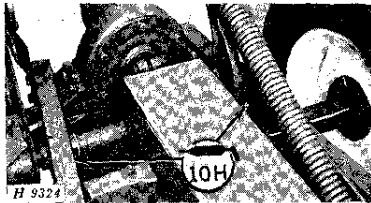
Lubricate all grease fittings thoroughly with SAE multipurpose grease until grease oozes out of bearing, avoid excessive lubrication.

Lubrication of cutter bar and knife

Lubricate cutting parts thoroughly with SAE 30 oil except when working in dry, dusty, and sandy soil conditions; then do not lubricate at all except for a small amount at the knife holders.

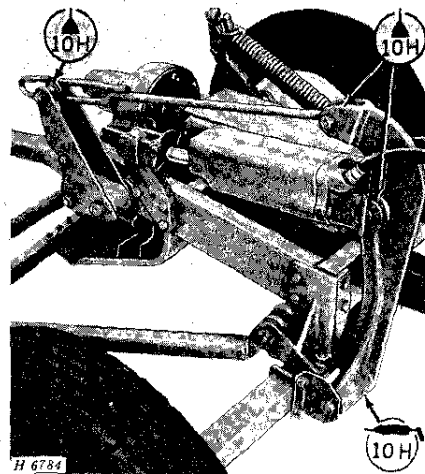
Lubrication of linkages

When lubricating the mower, make a practice of putting a few drops of SAE 30 oil on all clevises, linkages, and other moving parts.



H 9324

SYMBOLS	
	Oil Every 5 Hours of Operation with SAE 30 Oil.
	Oil Every 10 Hours of Operation with SAE 30 Oil.
	Grease Every 10 Hours of Operation with SAE Multipurpose Grease.
	Grease Every 50 Hours of Operation with SAE Multipurpose Grease.
	Grease Every 100 Hours of Operation with SAE Multipurpose Grease.
	Hand Pack Every 250 Hours of Operation with SAE Multipurpose Grease.
<i>NOTE: Extend or retract power shaft and rotate individual parts until the hole in the front shield lines up with the hole in rear shield and with the hole in drive tube; grease telescoping square shaft.</i>	



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