

John Deere

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MODEL:

D & DI

S/n 119,100 - 143,799

OPERATOR'S
MANUAL



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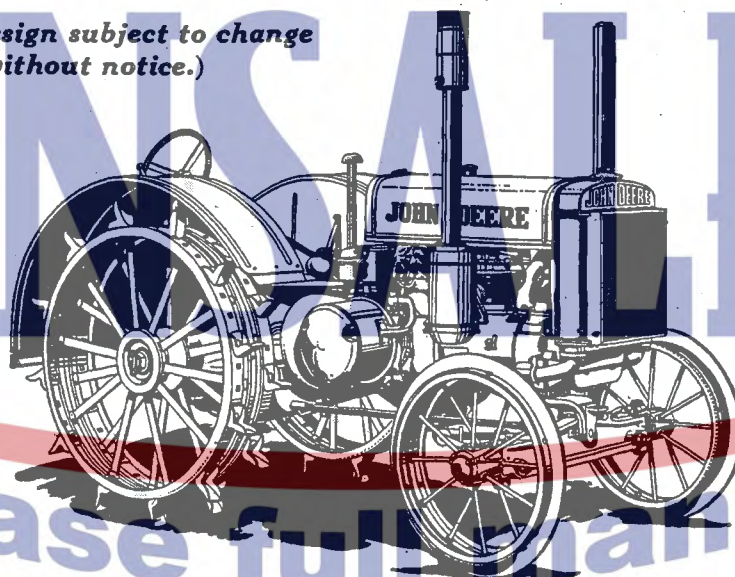
**READ
Carefully
SAVE!**

Instructions

AND
PARTS LIST
FOR

**JOHN DEERE MODELS
"D" AND "DI" TRACTORS**
(Serial Nos. 119100 to 143799)

*(Detail design subject to change
without notice.)*



**Read and Study This Book Carefully Before Starting Tractor
Keep for Ready Reference**

Give your tractor daily attention and make sure that all parts are kept tight and properly oiled. Good oil and proper care protect your tractor from undue wear, loss of power, repair expense and early replacements

Always give serial number of tractor when ordering repairs. This number is located on the rear of the transmission case below the gear shifting quadrant.

The serial number of your tractor is _____

The serial number of your magneto is _____

JOHN DEERE TRACTOR COMPANY
Waterloo, Iowa, U. S. A.



Each John Deere Tractor is carefully made and tested, to enable it to give the very best service for the least expense. Some owners secure better results than others because they realize that it is their responsibility to thoroughly understand their tractor and then to care for it properly at regular intervals.

This instruction book contains complete correct information about how to *Start, Operate* and *Adjust* the John Deere Models "D" and "DI" Tractors. If you read, study and do the things this book suggests you will get the best possible results from your tractor.

Make this instruction book your guide and advisor and do what it recommends, regardless of what may have been your practice with other makes of tractors or the suggestions that may be made to you by well-meaning friends.

Read your instruction book, study it. Do what it suggests. Your tractor will do its part if you will do yours.

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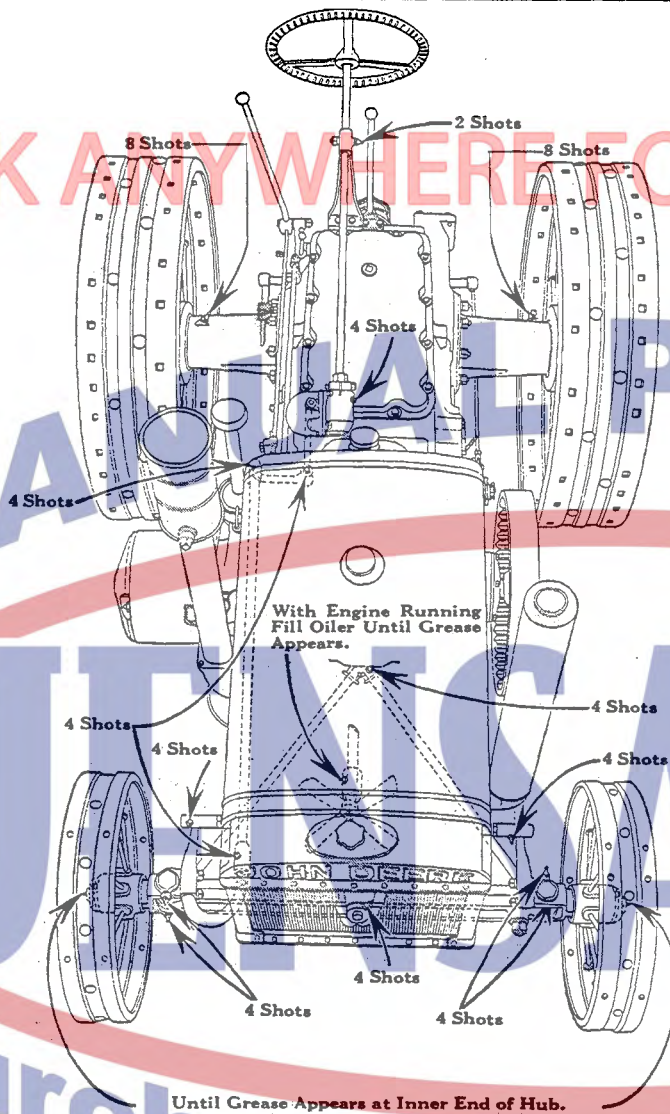


Fig. 5.

TRANSMISSION LUBRICATION.

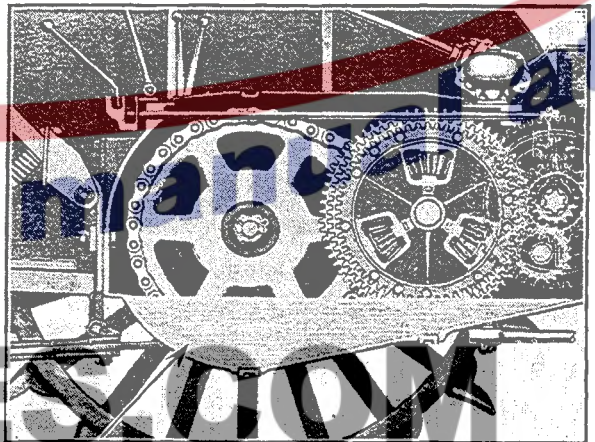
The operating parts in the transmission are continually bathed in oil which insures their automatic lubrication. The only way dirt can get into this oil is through carelessness in removing filler plug or transmission cover, allowing dirt to drop in the transmission or by pouring dirt in with the new oil. The transmission oil is of such heavy body that any dirt in it will remain suspended and this gritty oil will cause unnecessary wear and replacement of parts.

Using clean oil, using care in handling it, and changing at the proper intervals will insure ample lubrication and long life to all the transmission parts.

Changing seasons and temperatures, together with heating and cooling of the tractor, causes condensation and accumulation of water in the transmission. This water breaks down the lubricating quality of the oil, this is another reason why transmission oil should be changed regularly.

In cold weather, transmission oil congeals and does not flow readily. This prevents the proper lubrication of parts that are usually bathed in oil. Lighter oil should be used during cold weather. The transmission should be drained, washed with fuel and filled to the proper level with lighter transmission oil of the recommended grade when cold weather starts in the fall. It should also be drained, washed and refilled to the proper level with the recommended heavier grade of oil at the beginning of warmer weather in the spring.

The working parts in the transmission of the Models "D" and "DI" Tractors such as gears, shafts, differential, bearings and chains are rugged, strong and automatically lubricated, but they cannot give their maximum service unless the tractor operator does his part by servicing the tractor according to directions. The presence of an undue accumulation of grit and dirt in the transmission will cause unnecessary wear and repair expense.



Keep oil 6-1/2 inches deep in transmission. See Note on page 10.

Fig. 6.

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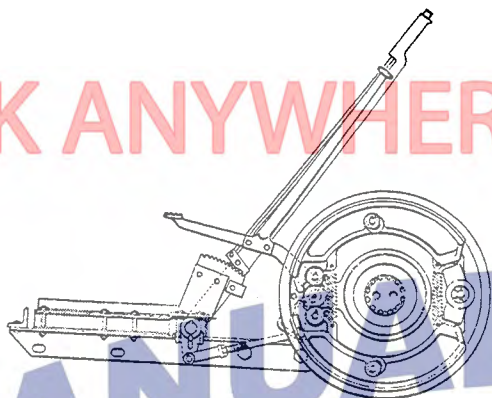


Fig. 42.

In event drive chains are adjusted, refer to "Drive Chains", see below. In addition to the instructions given below, it is necessary to loosen the three cap screws attaching the brake brace to the transmission case before rear axle quill can be turned. The turning of the quill in adjusting the chain makes necessary the adjustment of the brake operating rod. To properly adjust brake operating rod, remove pin from brake rod yoke, push hand lever against forward stop. Adjust yoke on rod so that yoke pin hole aligns with pin hole in brake cross shaft lever when pin in forward end of brake rod is against forward end of slot in pedal.

DRIVE CHAINS.

Provision has been made to adjust the drive chains on the John Deere Model "D" Tractor, but this should only be done when the original adjustment has been disturbed, or in instances where it is positively known that adjustment should be made. Too frequently drive chains are adjusted when no adjustment is necessary.

To adjust drive chains, raise up rear end of tractor placing jack under drawbar. Remove rear transmission cover and turn wheel over several times to find point where chain is tightest; then loosen nuts around rear axle quill, turn top of quill forward in direction of arrow on case. With all slack on top, chain should be tight enough so it can be raised and lowered one inch at center. (See Fig. 43.) After chain is adjusted and quill bolts tightened, turn each wheel over several



Fig. 43.

times to make sure chain is not too tight; otherwise, there will be excessive wear on chain and bearings.

REAR AXLE AND WHEELS. (Tractors Serial Numbers 123100 to 123200 and 124194 and up.)

To remove rear wheels, loosen two cap screws on end of rear axle. By driving tractor in a figure eight with cap screws loose, wheel will loosen on axle and can then be pulled off.

To adjust rear axle bearings, relieve load on each wheel, placing jack under drawbar or case. Remove transmission case cover and cotter key from rear axle bearing adjusting nut. Adjust axle bearing by tightening nut with a 15- or 20-inch wrench as tight as it can be turned. Do not back nut off. Replace cotter (Fig. 44). Replace transmission case cover being sure gasket is not damaged.

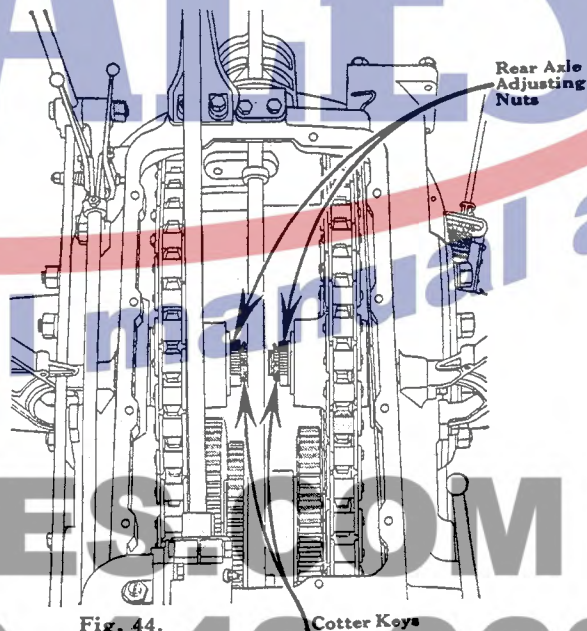


Fig. 44.

Cotter Keys

Rear Axle
Adjusting
Nuts

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