

### JD600 TRACTOR (SERIAL NO. 91000-UP)



#### **OPERATORS MANUAL**

JD600 TRACTOR (SERIAL NO. 91000-UP)

OMR39670 H5 English

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**OMR39670 H5** 

LITHO IN THE U.S.A. ENGLISH





### TO THE PURCHASER

Your new John Deere JD600 Tractor is an entirely new concept of power. Built to the traditionally high standards of John Deere, this versatile tractor meets today's exacting requirements.

Outstanding ease of operation, the ability to match engine power and speed to the job, operating comfort, hydraulic power when and where you need it, simplicity of lubrication and service, modern styling, and economical, dependable service are all features of this great tractor.

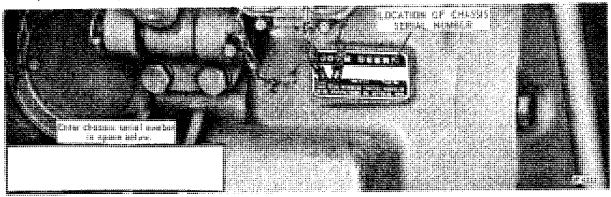
At the time the tractor was delivered, the John Deere dealer discussed with you its safe operation and proper care. However, before putting the tractor to work, read this manual. It contains complete instructions for operating the tractor, caring for it, and taking advantage of its many time- and labor-saving features. After reading this manual, keep it in a convenient place together with the tractor parts list and any equipment operator's manual and parts list that are used with the tractor. This will assure you quick and easy reference if questions arise concerning operation, lubrication, or service.

References to the right or left side of the tractor are as viewed from behind the tractor.

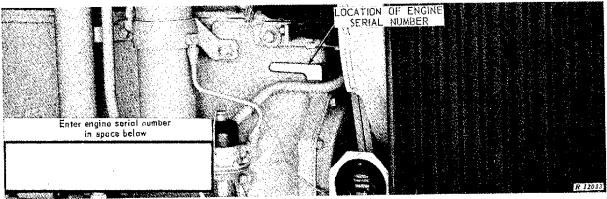
The service policy which you received with your tractor certifies that the tractor was properly inspected and prepared for delivery by your John Deere dealer. Keep this policy in a safe place and present it to the dealer whenever services which it authorizes are required.

Your John Deere dealer wants to help you get the most value from your tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods; they have all necessary tools and equipment. If new parts are needed, only genuine John Deere parts will be installed. These parts are exact duplicates of the originals, made from the same patterns and of the same high-quality materials.

When in need of new parts, be prepared to furnish your dealer with the complete engine serial number, the complete tractor chassis serial number, and the tractor series number. For ready reference, locate and record the serial numbers in the spaces provided in the following illustrations.



Tractor Chassis Serial Number



Engine Serial Number



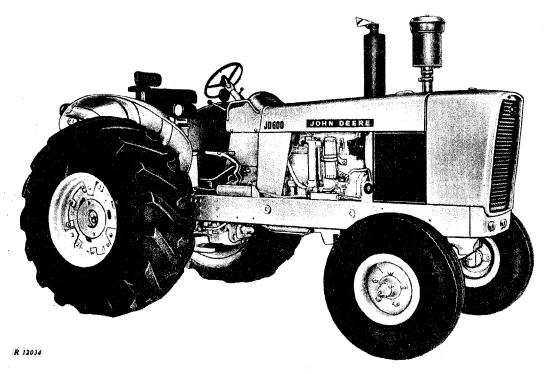
# **CONTENTS**

SPECIFICATIONS	2
CONTROLS AND INSTRUMENTS	4
OPERATION	5
SAFETY RULES	31
FUELS AND LUBRICANTS	33
LUBRICATION AND PERIODIC SERVICE .	37
SERVICE	48
TRACTOR STORAGE	65
TROUBLE SHOOTING	66
INDEX	71



## **SPECIFICATIONS**

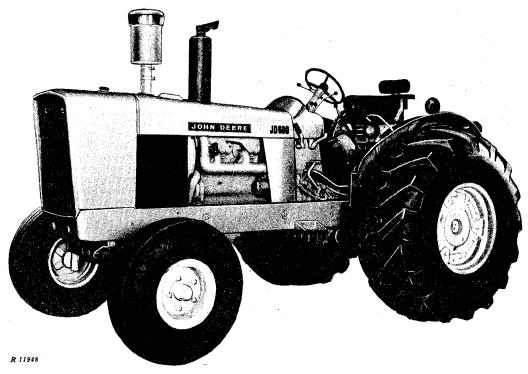
HORSEPOWER (at 2200 rpm):	Diesel	Gasoline
• • • • • • • • • • • • • • • • • • • •		
Net engine flywheel at 500 ft.	101 9 hm	102 E has
altitude and 85° F. temperature	101.2 np.	103.5 hp.
ENGINE:		
Type	6-cylinder, in-line, valve-in-head	
Engine speeds:		
Idle for engine shut-off		420 rpm
Normal slow idle	600 rpm	650 rpm
Working speeds	1500 to 2200 rpm	1500 to 2200 rpm
Maximum transport speed	2500 rpm	2500 rpm
Bore and stroke	$4-1/4$ in. $\times 4-3/4$ in.	4-1/4 in. x 4 in.
Displacement	404 cu. in.	340 cu. in.
Compression ratio	16.5 to 1	7.6 to 1
Firing order	1-5-3-6-2-4	1-5-3-6-2-4
Intake valve clearance	0.018 in.	0.015 in.
Exhaust valve clearance	0.018 in.	0.028 in.
Injection pump timing	TDC	
Distributor timing		20° BTDC at 2000 rpm
Distributor point gap		0.016 in.
Spark plug gap		0.025 in.
ELECTRICAL SYSTEM:		
Starter, alternator voltage	24 volts	12 volts
Lights, accessory voltage	12 volts	12 volts
12-volt battery, 78-plate, 75 ampere-hour	Two (connected in series)	One



John Deere JD600 Tractor with Diesel Engine and Power Shift Transmission

COOLING SYSTEM:	POWER TAKE-OFF:
Type Pressurized with centrifugal pump	Type Independent PTO with front and rear power take-off. Stub shaft used for
Engine temperature control Heavy-duty thermostats	rear dual speed PTO conversion.
LUBRICATION SYSTEM: Force-feed pressurized type with full-flow oil filter	Speed (1900 engine rpm) Front - 1000 rpm  Dual speed rear - 540 or 1000 rpm  Single speed rear - 1000 rpm
	HYDRAULIC SYSTEM:
CAPACITIES: Cooling system 6 U.S. gals. Fuel tank	Type Closed center, constant pressure.  Includes power steering, power brakes, and equipment control
Engine crankcase Dry system - 9 U.S. qts.  At service intervals - 8 U.S. qts.	Maximum pressure 2250 psi
Transmission-hydraulic system:  Collar Shift Dry system - 13 U.S. gals.  At service intervals - 10 U.S. gals.	BRAKES: Hydraulically power actuated, disk-type, operating in oil
Power Shift Dry system - 17 U.S. gals.  At service intervals - 14 U.S. gals.	FRONT TIRES: ** 9.00-15, 10-ply
Air cleaner, oil-bath Gasoline - 2-3/4 U.S. pts. Belt pulley	REAR TIRES: **
	FRONT WHEEL TREAD: 64 in.
COLLAR SHIFT TRANSMISSION:  Type Collar shift, constant mesh Gear selections 8 forward and 2 reverse	REAR WHEEL TREAD:
Shifting 4 stations, right- or left-hand shifting in each station	DIMENSIONS: Wheel base
Sinting in each station	Over-all length $\dots 149-1/2$ in.
POWER SHIFT TRANSMISSION:	Over-all height
Type Planetary gears, hydraulically actuated wet disk clutches and brakes	Width
Gear selections 8 forward and 4 reverse Shifting	SHIPPING WEIGHT (Collar Shift Tractors equipped for average service, less fuel and ballast. Add 375 pounds if tractor has Power Shift transmission):  Diesel - 9185 lbs. Gasoline - 8895 lbs.
GROUND SPEEDS: See page 11	**Additional tire sizes available for special purposes.

Specifications and design subject to change without notice. Whenever applicable, specifications are in accordance with I.E.M.C. standards.



John Deere JD600 Tractor with Diesel Engine and Power Shift Transmission

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