

920 Tractor



OPERATORS MANUAL

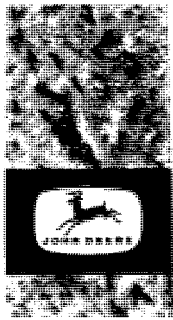
920
Tractor

OML25163 F7 English

OML25163 F7

LITHO IN U.S.A.
ENGLISH





TO THE PURCHASER

Your versatile new John Deere Tractor meets the exacting requirements of modern farming.

Operating ease and comfort, hydraulic power when and where you need it, the ability to match engine power and transmission speed to any job, outstanding economy and dependability, modern styling, and simplicity of lubrication and service are all special features of this great tractor.

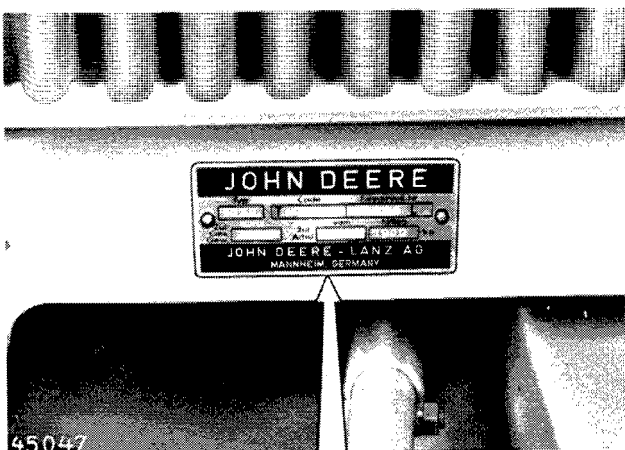
At the time the tractor was delivered, the John Deere dealer discussed with you its safe operation and proper care. However, before putting the tractor to work, read this manual. It contains complete instructions for operating the tractor, caring for it, and taking full advantage of its many time- and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

The service policy which you received with your new 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.

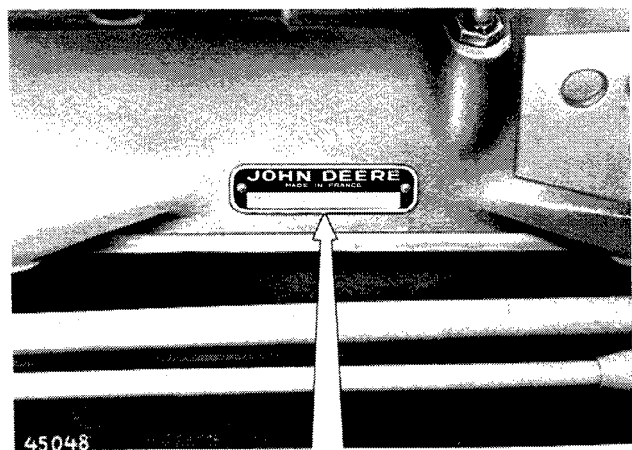
Your John Deere dealer wants to help you get the most value from your tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods; they have all necessary tools and equipment. If new parts are needed, only genuine John Deere parts will be installed.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

References to right and left sides of the tractor are made throughout this manual. The left and right sides are determined when facing forward in the operator's seat.

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



Tractor Serial Number

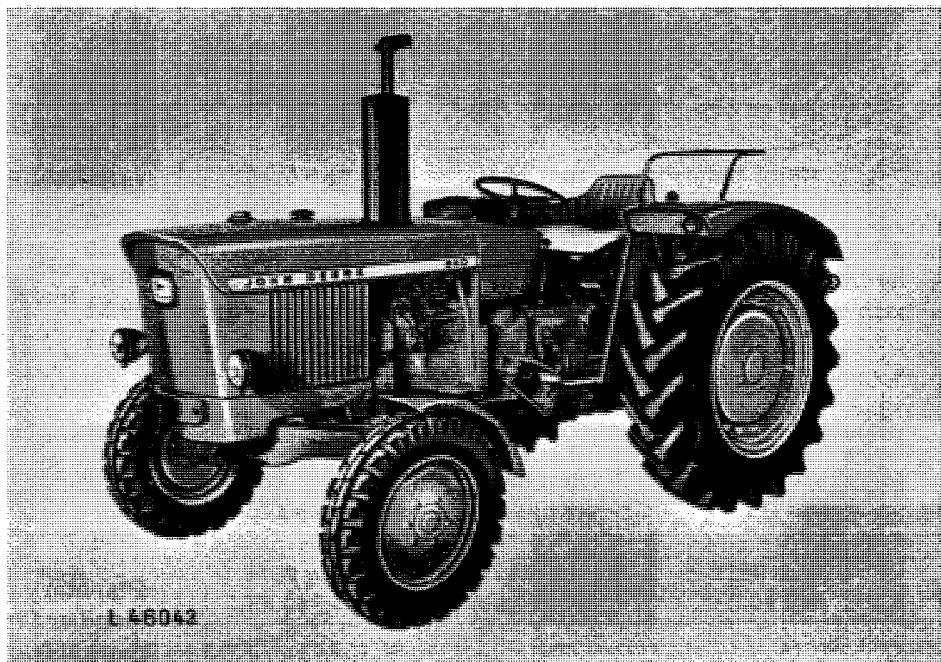


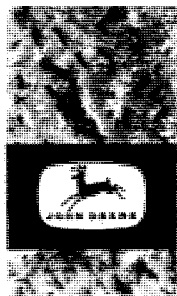
Engine Serial Number



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SPECIFICATIONS

ENGINE

Maximum horsepower* measured at the flywheel

a) incl. Accessories**	37 HP (37 PS)
b) without Accessories**	39 HP (40 PS)
PTO horsepower at 2300 rpm engine speed	33 HP (34 PS)
Maximum torque at 1300 rpm	100 ft. lbs (13.8 mkg)
Number of cylinders	3
Bore	3.86 ins (98 mm)
Stroke	4.33 ins (110 mm)
Displacement	152 cu. ins (2490 cm ³)
Compression ratio	16.7 : 1
Firing order	1 - 2 - 3
Intake valve clearance	0.014 ins (0.35 mm)
Exhaust valve clearance	0.018 ins (0.45 mm)
Slow idle	650 rpm
Fast idle	2440 rpm (2545***)
Full engine power at	2300 rpm
Working speed range	1300 to 2300 rpm

* 1 PS = 0.736 KW

** Waterpump, Fan, Generator, Air Cleaner and Muffler

*** By operating Foot Throttle

ELECTRICAL SYSTEM

Battery voltage	12 Volt
Battery specific gravity at full charge (at 80° F = +27° C)	1.26
Battery terminal grounded	negative

CAPACITIES

	Imp. Gals (US Gals)	(Litres)
Fuel tank	13.75 (16.50)	(62.50)
Cooling System	2.30 (2.75)	(10.40)
Crankcase (including filter)	1.50 (1.75)	(6.70)
Transmission — hydraulic system	8.40 (10.00)	(38.00)
Air Cleaner (oil bath type)	0.22 (0.26)	(1.00)
Belt pulley	0.25 (0.30)	(1.10)

CLUTCH	Dual stage
Transmission	Collar Shift

FINAL DRIVE	Planetary reduction drive
Differential Lock	Hand or foot operated mechanical lock, spring-loaded out of engagement

POWER TAKE-OFF (continuous running)

Rear 540 rpm

Front 1000 rpm

HYDRAULIC SYSTEM open center

BRAKES

Foot operated Hydraulically actuated,
wet-disk type, one each per
rear wheelHandbrake Band-type brake, acting
on differential

TIRES

Rear Tires

Tire size	Ply
9.5 / 9-36	6
11.2 / 10-36	6
12.4 / 11-28	6
12.4 / 11-32	6

Front Tires

Tire size	Ply
5.50-16	4
6.00-16	6

DIMENSIONS

	Tire sizes			
	9.5 / 9-36	11.2 / 10-36	12.4 / 11-28	12.4 / 11-32
Over-all height* (vertical exhaust)	2000 mm (78.74 ins)	2000 mm (78.74 ins)	2000 mm (78.74 ins)	2000 mm (78.74 ins)
Height up to back- rest for Co-Driver	1655 mm (65.16 ins)	1734 mm (68.27 ins)	1613 mm (63.50 ins)	1713 mm (67.44 ins)
Height up to fender	1455 mm (57.28 ins)	1534 mm (60.39 ins)	1413 mm (55.63 ins)	1513 mm (59.57 ins)
Over-all length (w. 3-point hitch)	3425 mm (134.84 ins)	3425 mm (134.84 ins)	3425 mm (134.84 ins)	3425 mm (134.84 ins)
Wheelbase	1890 mm (74.40 ins)	1890 mm (74.40 ins)	1890 mm (74.40 ins)	1890 mm (74.40 ins)
Over-all width with smallest track width	1500 mm (59.06 ins)	1680 mm (66.14 ins)	1680 mm (66.14 ins)	1680 mm (66.14 ins)
with largest track width	2160 mm (85.04 ins)	2140 mm (84.25 ins)	2160 mm (85.04 ins)	2160 mm (85.04 ins)

* This height is only valid for a front tire size of 5.5-16. The over-all-height increases by 0.4 in (10 mm) for a tire size of 6.0-16.

Turning radius 126 ins (3200 mm)

(Specifications and design subject to change without notice)

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