

JD 700 Tractors



JOHN DEERE

OPERATORS MANUAL

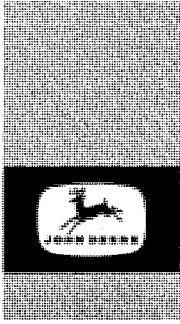
JD 700
Tractors

OMR40068 Issue L4 English

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ENGLISH





TO THE PURCHASER

Your new John Deere JD700 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.

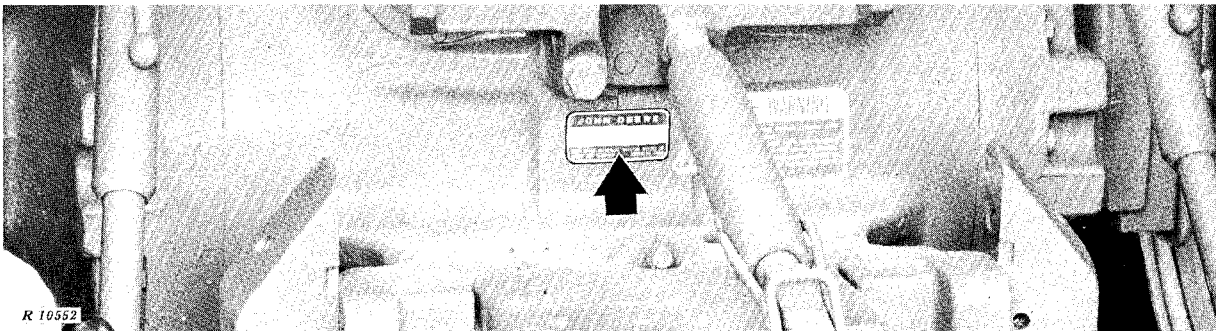
At the time the tractor was delivered, the John Deere dealer discussed with you its safe operation and proper care. However, before putting the tractor to work, read this manual. It contains complete instructions for operating the tractor, caring for it, and taking advantage of its many time- and labor-saving 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.

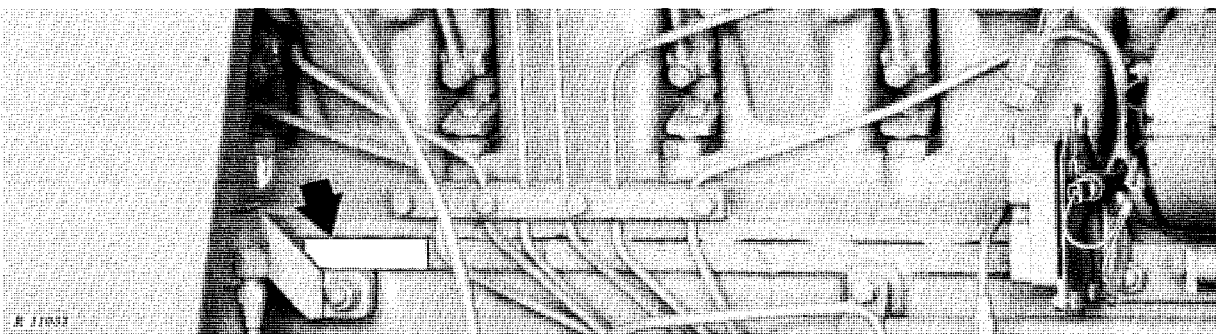
The service policy which you received with your tractor certifies that the tractor was properly inspected and prepared for delivery by your John Deere dealer. Keep this policy in a safe place and present it to the dealer whenever services which it authorizes are required.

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.

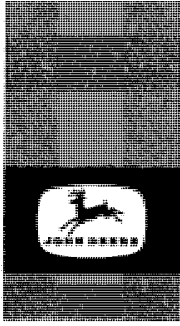
When in need of new parts, be prepared to furnish your dealer with the engine serial number, the tractor chassis serial number, and the tractor series number. For ready reference, locate and record the serial numbers in the spaces provided in the following illustrations.



Record Tractor Chassis Serial Number

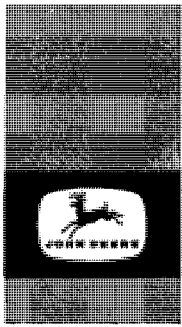


Record Engine Serial Number



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SPECIFICATIONS

HORSEPOWER (at 2200 rpm):

Observed net engine flywheel 129 h.p.

ENGINE:

Type . . . 6-cylinder, in-line, valve-in-head

Engine Speeds:

Slow idle 600 rpm

Working range 1500 to 2200 rpm

Maximum transport speed . . . 2500 rpm

Bore and stroke 4-3/4 in. x 5 in.

Displacement 531 cu. in.

Compression ratio 16 to 1

Firing order 1-5-3-6-2-4

Valve clearance intake 0.015 in.
exhaust 0.022 in.

Injection pump timing TDC

CAPACITIES:

Fuel tank 48 U.S. gals.

Crankcase:

When lubrication system is
dry 13-1/2 U.S. qts.

At service intervals 12 U.S. qts.

Transmission-hydraulic system:

When system is dry 17 U.S. gals.

At service intervals 16 U.S. gals.

Cooling system 34 U.S. qts.

GROUND SPEEDS:*

1st 2 mph

2nd 3 mph

3rd 4 mph

4th 5-1/4 mph

5th 6-1/2 mph

6th 8-1/2 mph

7th 11 mph

8th 17-3/4 mph

1st reverse 4 mph

2nd reverse 6-1/4 mph

CLUTCH . . . Two 11-inch dry plates, hydraulic assist, foot-operated

LUBRICATION SYSTEM: . . Force-feed pressurized with full-flow oil filter

FUEL SYSTEM:

Type Direct injection

Injection pump type Inlet metering, distributing type

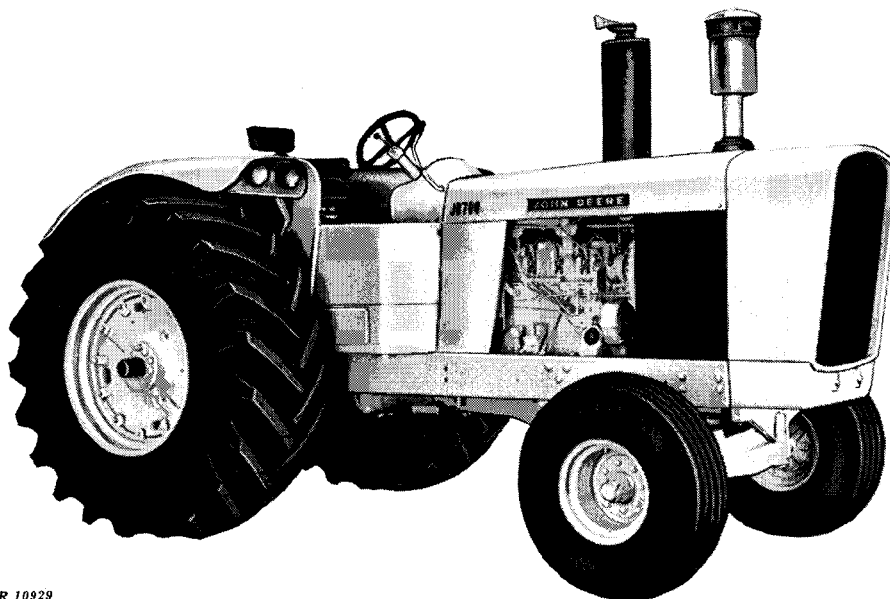
Air cleaner dry type

COOLING SYSTEM:

Type . . . Pressurized with centrifugal pump

Engine temperature control . . . Two heavy-duty thermostats

**Calculated at 2200 rpm engine speed with 24.5-32 tires.*



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John Deere JD700 Diesel Tractor

ELECTRICAL SYSTEM:

Type 24-volt, split-load system
 Starter and alternator voltage . . . 24 volts
 Lights and Accessory voltage . . . 12 volts
 Batteries . . Four 6-volt, 51 plate, 115 am-
 pere-hour, tractor-type, connected in series

TRANSMISSION:

Type Syncro-Range, constant-mesh
 Gear selections . . . 8 forward and 2 reverse
 Shifting 4 stations, synchronized
 shifting within stations

HYDRAULIC SYSTEM:

Type . . . Closed center, constant pressure.
 Includes power steering, power
 brakes, equipment control, and
 transmission and differential lu-
 brication.

Maximum pressure 2250 psi

BRAKES Hydraulically power actuated,
 disk-type operating in oil

POWER TAKE-OFF:

Type Independent, constant running
 Speed (1900 engine rpm) 1010 rpm
 PTO ahead of drawbar hitch point . . 16 in.
 PTO shaft above ground 25-1/2 in.

PTO CLUTCH Hydraulically power ac-
 tuated, hand-operated

	Size	Ply
FRONT TIRES	11.00-16	8
REAR TIRES**	24.5-32	10
FRONT WHEEL TREAD	67 in.	
REAR WHEEL TREAD	See page 11	

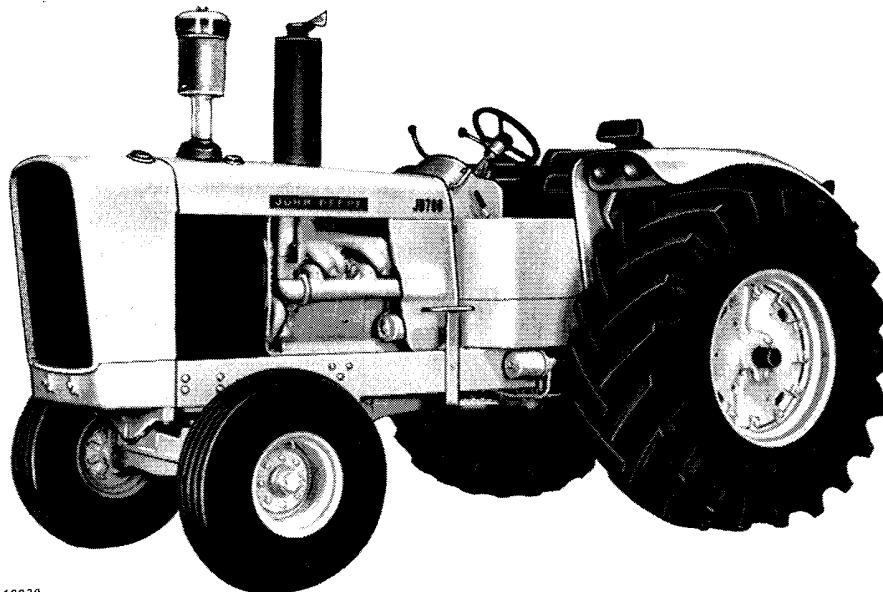
DIMENSIONS:

Wheel base	104 in.
Over-all length	172-1/4 in.
Over-all height	96-7/8 in.
Height to steering wheel	81-1/2 in.
Width	Regular wheel, 95-3/4 in. Dual wheel, 130-1/2 in.
Clearance	16 in.
Turning radius	12 ft. 6 in.

**SHIPPING WEIGHT (Less fuel and
 extra ballast)** 13,525 lbs.

***Additional tire sizes available.*

(Specifications and design subject to change without notice.)



R 10930

John Deere JD700 Diesel Tractor

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button below to download the
complete manual.



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perfect and complete manual in
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