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MODEL:

4520 Diesel

MANUAL PREVIEW

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4520 TRACTOR**

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POWER TAKE-OFF

Type Independent PTO with mid and rear power take-off controlled by hand-operated clutch lever

Clutch: Syncro-Range . . . One dry-disk, hydraulically actuated

Power Shift Multiple disk, wet clutch hydraulically actuated

Speed (1900 engine rpm) 1000 rpm

PTO ahead of drawbar hitch point . . 16 in.

POWER FRONT-WHEEL DRIVE

Type Hydraulic motor driven with planetary gear reduction in wheel hub, uses pressure oil from hydraulic system

Torque Low (series connected) and high (parallel connected)

Controls Solenoid-operated control valves, synchronized with transmission controls

HYDRAULIC SYSTEM:

Type Closed center, constant pressure. Includes power steering, power brakes, implement control, and transmission and differential lubrication.

Maximum pressure 2250 psi

BRAKES Hydraulically power actuated, disk-type operating in oil

ELECTRICAL SYSTEM:

Type 12-volt, negative grounded

Batteries Two, 6-volt, 75-plate 172-ampere-hour, 3 EH type, connected in series

Alternator 12-volt, 55-amp, with integral transistorized regulator

FRONT TIRES* 10.00-16, 6-ply

REAR TIRES* 20.8-38, 10-ply

FRONT WHEEL TREAD:

10.00-16 tire 57-1/2 to 83-1/4 in.

REAR WHEEL TREAD:

20.8-38 tire, regular axle . . . 63 to 108 in.

GROUND SPEEDS See page 11

DIMENSIONS:

Wheel base 106-1/2 in.

Over-all length 170-3/4 in.

Over-all height 106 in.

Height to steering wheel 87 in.

Over-all width 95-7/8 in.

Turning radius 151 in.

TRACTOR CAB:

	Not Air Conditioned	Air Conditioned
Blower capacity	290 cfm	560 cfm
Heater capacity	20,000 btu/hr	22,000 btu/hr
Interior height (to roof)	60.5 in.	60.5 in.

Interior width (window frame to window frame) . .	50 in.	50 in.
---	--------	--------

Interior length (window frame to window frame) . .	62 in.	62 in.
--	--------	--------

Exterior width at fender well.	36.4 in.	36.4 in.
--	----------	----------

Exterior cab height (tires at loaded radius) . . .	118.0 in.	119.8 in.
--	-----------	-----------

SHIPPING WEIGHT (With equipment for average field service, less fuel and ballast). Subtract 50 lbs. if equipped with Syncro-Range transmission. Add 575 lbs. if equipped with Roll-Gard. Add approximately 1000 lbs. if equipped with Power Front Wheel Drive.

Row-Crop 12,285 lbs.

**Additional tire sizes available.
(Specifications and design subject to change without notice.)*

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PREPARING HITCH FOR CATEGORY 2 or 3 IMPLEMENT

Two classes of implement, referred to as category 2 and category 3 can be attached to a tractor equipped with a 3-point hitch. Implements are grouped in these categories according to the dimensions of their hitch attaching points. These dimensions are shown in the chart. Category 3 implements may be attached directly to the draft links and center link. Bushings are available from your dealer to attach category 2 implements to the 3-point hitch.

Distinguishing Dimensions	Category 3 Implement	Category 2 Implement
Diameter of hitch pins	1-7/16"	1-1/8"
Distance between shoulders of hitch pin	38"	32-3/8"
Gap in top of mast	2-1/16"	2-1/16"
Diameter of holes in top of mast	1-1/4"	1"

The Quik-Coupler is normally equipped to attach directly to category 3 implements by installing detachable ends on the implement hitch pins.

Before attaching a category 2 implement to the hitch assembly, move the center link to the lower hole of the center link bracket. Switch the side members of the implement coupler (right to left and left to right) by removing the sheet metal covers and unbolting the side members from the cross member. See illustration on page 27. Tighten the side members securely to the cross member. Install adapters on the implement hitch pins. See your John Deere dealer for adapting parts.

To prevent damage and to obtain correct operation, be sure to place the center link in the upper (category 3) hole when changing the Quik-Coupler from category 2 to category 3.

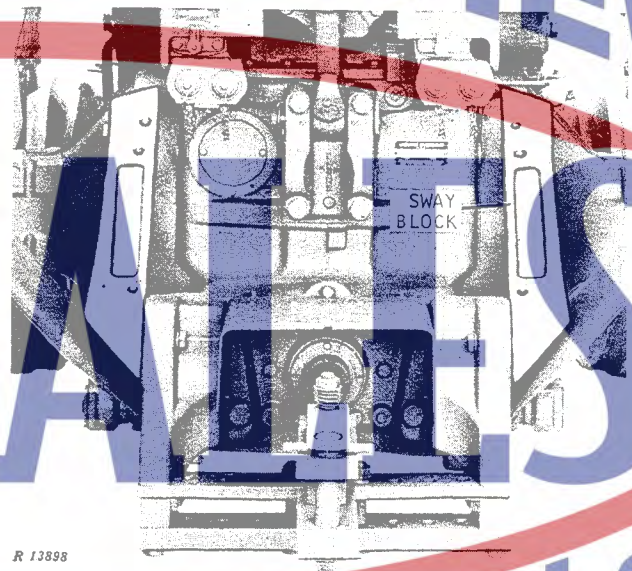
POSITIONING SWAY BLOCKS

Sway blocks control 3-point hitch and implement side motion. The words "LEFT" and "RIGHT" on the two blocks indicate the proper side of the tractor drawbar support to which each is attached.

Before attaching an implement to the 3-point hitch, make sure the sway blocks are installed



Sway Blocks Installed to Eliminate All Side Sway (Category 3 Implement)



Sway Blocks Installed to Permit Side Sway When Implement is Working (Category 3 Implement)

properly. Refer to the implement operator's manual for proper sway block location.

If a category 2 implement is to be attached, each sway block is installed with the wide flat surface facing the drawbar support.

If a category 3 implement is to be attached, each sway block is installed with the narrow flat edge facing the drawbar support.

The sway blocks can be installed in two positions for each implement category. When they are installed downward, along the sides of the drawbar support, they will eliminate all implement side sway, whether the implement is in working position or in transport position.

When the sway blocks are pivoted upward, they eliminate side sway when the implement

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