

John Deere

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MODEL:

4230 Tractor

S/N 13,000 & Up

**OPERATOR'S
MANUAL**



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MANUAL PREVIEW

Operator's
Manual

John Deere
4230
Tractor

(Serial No. 13,000-)

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R 19167

John Deere 4230 Tractor

To use the can of starting fluid, remove the safety cap and plastic spray button from the can. Remove the cap from the adapter and position the can under the adapter.

To inject a shot of starting fluid, momentarily push up on the can.

IMPORTANT: To avoid damage, turn engine with starter one or two revolutions before injecting starting fluid. Inject starting fluid only while the engine is turning.

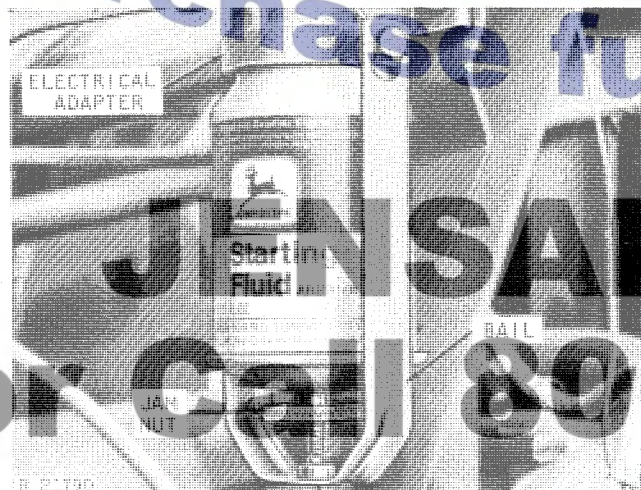
Relax pressure on the can between shots of starting fluid. Stop injecting fluid after the engine starts. If the engine begins to die during the first few minutes of operation, inject another shot of fluid. When the engine is operating satisfactorily, remove the can from the adapter and replace the safety cap on the can to avoid accidental discharge.

Be sure to install the cap on the adapter when it is not in use. This will prevent dust from being drawn into the engine.

Store starting fluid in a cool, dry, and protected area to prevent accidental discharge. Keep the starting fluid away from extreme heat or cold.

Electrically Operated

This adapter is used to inject atomized starting fluid into the engine air intake system. Pressurized cans of starting fluid are available from your John Deere dealer.



Electrically Operated Ether Starting Aid

To install a can of starting fluid, remove the safety cap and plastic spray button from the can. Loosen the jam nut on the bail sufficiently to permit installation of the can into the adapter as shown

in the illustration. Tighten the jam nut securely to hold the can in position. To prevent dust from being drawn into the engine, always leave a can in place on the adapter.

IMPORTANT: To avoid damage, turn engine with starter one or two revolutions before injecting starting fluid. Inject starting fluid only while the engine is turning.

To inject starting fluid, momentarily depress the ether starting aid button on dash (page 4), using short bursts while cranking the engine at the same time.

Stop injecting fluid after the engine starts. If the engine begins to die during the first few moments of operation, inject another burst of fluid.

Store starting fluid in a cool, dry, and protected area to prevent accidental discharge. Keep starting fluid away from extreme heat or cold.

Hydraulic Pump Shut-Off

If the tractor has a hydraulic pump shut-off screw, the starter speed may be increased during cold weather by shutting off the hydraulic pump so it will not build up pressure. This will also prevent inadvertent operation of the Power Front-Wheel Drive.



After turning the shut-off screw in (clockwise) one turn to unseat it, turn the screw in further until resistance is felt. Then turn the screw in one more turn.

CAUTION: On Power Front-Wheel Drive tractors, stop engine before backing out shut-off screw.

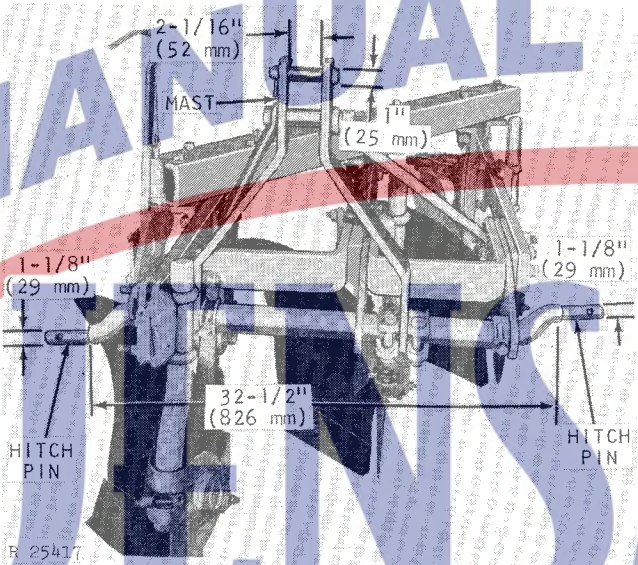
After the engine has started, back the shut-off screw all the way out (turn it counterclockwise). The pump will now build up pressure.

NOTE: Oil will leak past the shut-off screw if it is not backed all the way out against the internal stop.

UNIVERSAL 3-POINT HITCH

The 3-point hitch consists of a center link, draft links, and lift links. The rockshaft operates the 3-point hitch.

Preparing Hitch for Category 1 or 2 Implement



Category 2 Implement Hitch Dimensions

Two classes of implements, referred to as category 1 and category 2, may be attached to a tractor with a 3-point hitch. Implements are grouped in these categories according to the dimensions of their hitch attaching points.

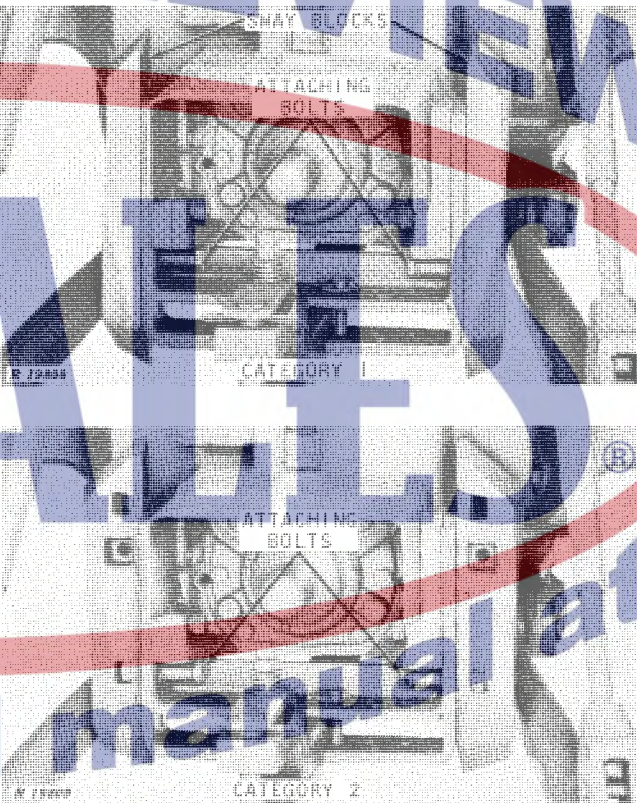
Distinguishing Dimensions	Category 1 Implement	Category 2 Implement
Diameter of hitch pins	7/8" (22 mm)	1-1/8" (29 mm)
Distance between shoulders of hitch pin	26-7/8" (683 mm)	32-1/2" (825 mm)
Gap in top of mast	1-3/4" (45 mm)	2-1/16" (52 mm)
Diameter of holes in top of mast	3/4" (19 mm)	1" (25 mm)

The 3-point hitch on your tractor is normally equipped to attach directly to a category 2 implement.

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



Sway Blocks Installed to Eliminate Side Sway

If a category 1 implement is to be attached, each sway block is installed with the wide flat surface facing the drawbar support.

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

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.
Standby pressure	2250 psi (155 bar)

BRAKES	Hydraulically power actuated, disk-type operating in oil
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ELECTRICAL SYSTEM:

Type	12-volt, negative grounded
Batteries	Two, 6-volt, 5D group, 800 amps cold cranking at 0°F (-18°C), 376 minutes reserve capacity at 25 amps
Alternator	12-volt, 55 amp with Sound-Gard Body, 37 amp without Sound-Gard Body

FRONT TIRES	See page 21.
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REAR TIRES	See page 22.
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FRONT WHEEL TREAD	See page 21.
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REAR WHEEL TREAD	See pages 22 through 25.
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GROUND SPEEDS	See page 14.
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	Tractor without Roll-Gard*	Tractor with Sound-Gard Body
Wheelbase	101-1/4 in. (2.57 m)	104-1/4 in. (2.57 m)
Over-all length	151-3/4 in. (3.85 m)	151-3/4 in. (3.85 m)
Height to muffler cover	89 in. (2.26 m)	118-3/4 in. (3.02 m)
Height to steering wheel	81-1/8 in. (2.06 m)	---
Height to top of Sound-Gard Body	---	109-7/8 in. (2.79 m)
Over-all width (regular axle) ..	89-5/8 in. (2.28 m)	89-5/8 in. (2.28 m)
Width at fender	70-7/8 in. (1.80 m)	82 in. (2.08 m)
Width at roof	---	54-3/8 in. (1.38 m)
Turning radius	113 in. (2.87 m)	136 in. (3.45 m)
SHIPPING WEIGHT**	8006 lb. (3631 kg)	9600 lb. (4354 kg)

*Tractor equipped with 18.4-34 R-1 rear tires and 11L-15 front tires.

**With equipment for average field service, less fuel and ballast. Add 375 lbs. (170 kg) if equipped with a Power Shift transmission. Add 125 lbs. (57 kg) if equipped with a Quad-Range transmission. Add 450 lbs. (204 kg) if equipped with a 4-post Roll-Gard. Add approximately 1000 lbs. (454 kg) if equipped with a Power Front-Wheel Drive.

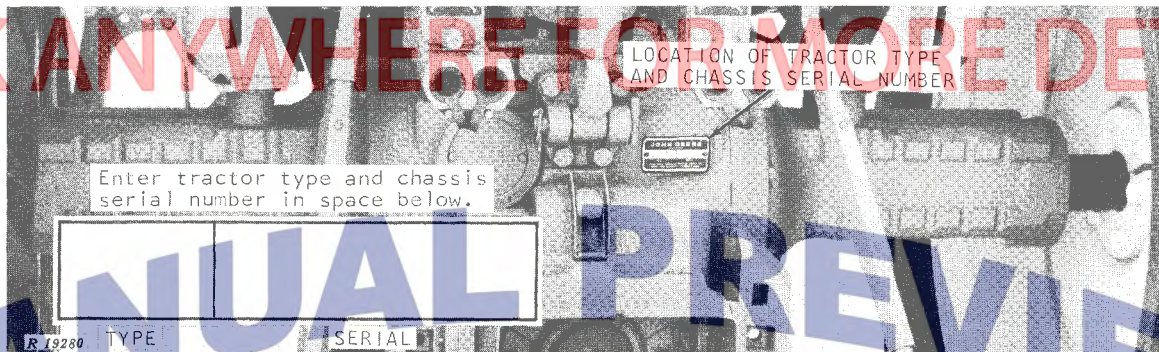
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SERIAL NUMBERS



Tractor Type and Tractor Chassis Serial Number



Engine Type and Engine Serial Number



Sound-Gard Body Serial Number

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