

John Deere

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MODEL:

**70 General Purpose &
Standard Diesel Tractors**

**OPERATOR'S
MANUAL**



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JD-O-OMR2032

**70 GENERAL-
PURPOSE AND
STANDARD DIESEL
TRACTORS**

MANUAL PREVIEW

**OPERATORS MANUAL
70 GENERAL- PURPOSE AND
STANDARD DIESEL TRACTORS**

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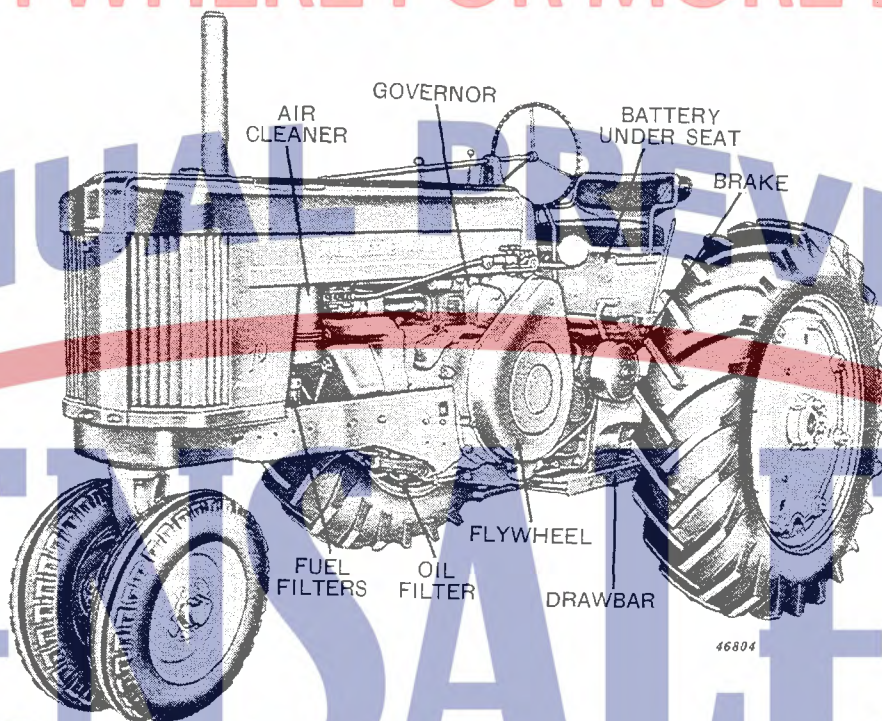
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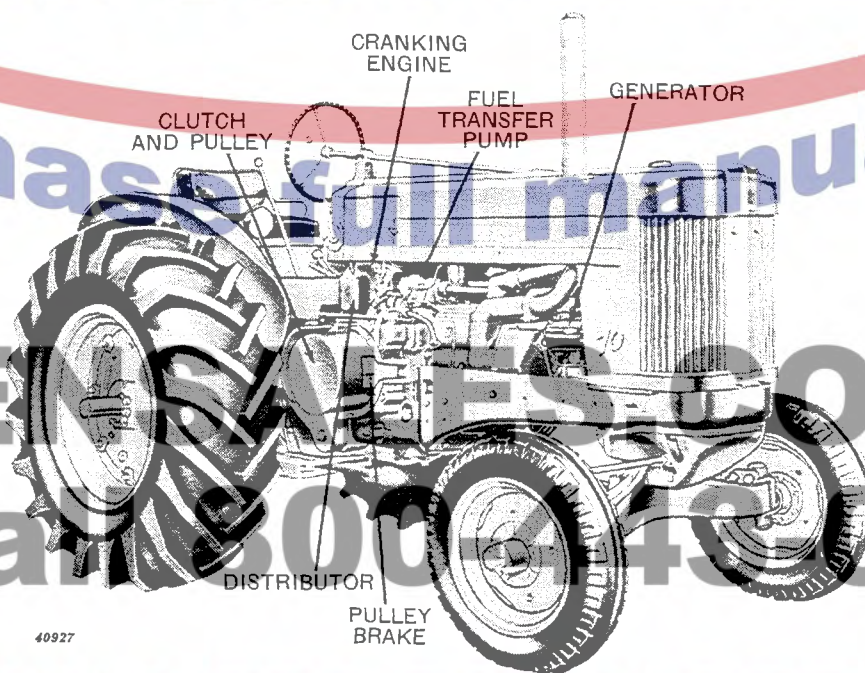


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John Deere Model "70" Diesel General-Purpose Tractor—Flywheel Side



John Deere Model "70" Diesel Standard Tractor—Pulley Side

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POWER TAKE-OFF SHAFT:

Shaft diameter.....	1-3/8"
Shaft rpm.....	532
Splined end ahead of hitch...	14"
Splined shaft above ground:	

Transmission-Driven:

General-Purpose.....	22-7/8"
Standard.....	22"

Direct Engine-Driven:

General-Purpose.....	25-3/4"
Standard.....	25"

REAR AXLES:

Diameter.....	3-1/8"
Bearings.....	Four tapered roller bearings.
Types Available..	Regular, long, and extra long.

FRONT WHEELS AND TIRES:

General-Purpose:

Double and Adjustable Type:

Reversible for added clearance.	
Bearings.....	Four tapered roller bearings.
Tires.....	6.00 x 16", 6-ply 6.00 x 16", 4-ply also available.

Single Type:

Bearings.....	Two tapered roller bearings.
Tires.....	7.50 x 16", 10-ply

Standard:

Bearings.....	Four tapered roller bearings.
Tires.....	7.50 x 18", 4-ply 6.50 x 18", 4-ply also available.

REAR WHEELS AND TIRES:

General-Purpose:

Regular and Long Rear Axle:

12-38, 6-ply tires on cast disk wheels (recommended for average field conditions). 13-38, 6-ply tires also available.

Standard:

Regular and Long Rear Axle:

15-30, 6-ply tires on cast disk wheels (recommended for average field conditions). 14-30, 6-ply and 18-26, 8-ply tires also available.

TREAD ADJUSTMENTS:

General-Purpose:

Adjustable Front Axle:

Tubular Type.....	56"-80"
Box Type.....	48"-80"

Rear Wheels:

Regular axles, regular wheels.....	60"-88"
Long axles, regular wheels.....	66-1/2"-97-1/2"
Long axles, offset wheels	60"-104"
Extra long axles, regular wheels.....	66-1/2"-105-1/4"
Extra long axles, offset wheels.....	60"-112"

Standard:

Fixed front wheels.....	55-1/2"
Adjustable front wheels	52"-68"
Rear wheels.....	62"-80"

DIMENSIONS:

	General-Purpose			Standard
	Double Front Wheel	Single Front Wheel	Adjustable Tread Front Axle	
Wheel-Base.....	91"	91-1/4"	97-3/8"	82"
Over-All Height.....	88-1/16"	89-3/16"	89-5/16"	87-3/4"
Over-All Length.....	136-1/4"	137-1/2"	142-5/8"	129-7/8"
Height to Top of Steering Wheel.....	81"	82-1/4"	81"	80-7/8"
Width Over Axles.....	86-5/8"	86-5/8"	86-5/8"	86-5/8"
Clearance.....	25-5/16"	27-5/16"	Front 24-3/16" Rear 26-1/16"	Front 13" Rear 25-1/4"
Turning Radius.....	9' 6"	9' 6"	14' 9"	14'
*Shipping Weight.....	6520 lbs.	6430 lbs.	6830 lbs.	7375 lbs.

*Weights are for tractors dry and with wheel equipment as shown under "Front Wheels" and "Rear Wheels."

(In the interest of progress, we reserve the right to change design without notice.)

Rotate the wheel until the rack on the axle is up as illustrated. This position is important to provide proper action between the pinion gear and rack.



Adjusting Rear Wheel Tread

Loosen the three cap screws shown in the illustration and screw them out 1/4 to 3/8-inch.

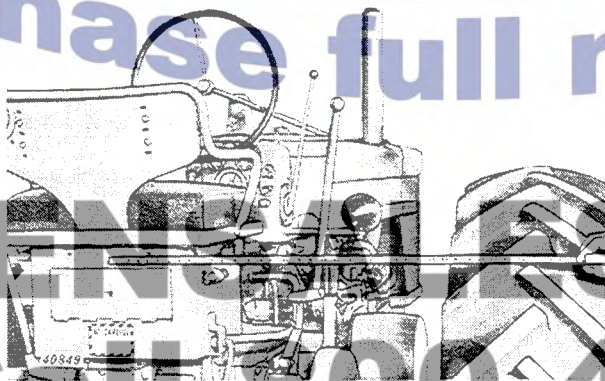
Turn the two jack screws clockwise with a wrench until the outer groove in each jack screw is flush with the outer surface of the wheel hub.

Jack up the rear end of the tractor and move the wheel in or out on the axle by turning the pinion shaft with the flywheel wrench furnished with the tractor, or any other suitable wrench.

It is important that both wheels be set the same distance from the center of the tractor.

A slotted hole on the back of the battery compartment (see illustration), is on the exact center line of the tractor. When setting rear wheel tread, use the mark to get the wheels spaced just right.

When desired wheel setting has been obtained, back out the jack screws until inner groove of each jack screw is flush with face of hub. Tighten cap screws securely.



Measuring Distance From Center of Tractor to Tire

NOTE: Avoid adjusting wheel too close to the rear axle housing. It is possible to damage the adjusting pinion when the hub is tightened.

Continue turning flywheel until the "Spark No. 1" V-mark on flywheel lines up with timing mark on housing.

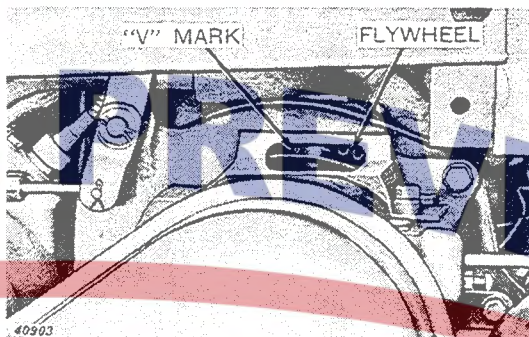
(3) Mount distributor on engine but do not tighten attaching screws. Rotate distributor clockwise as far as possible. Connect switch-to-distributor wire and turn on the ignition switch. While holding No. 1 spark plug wire within 1/8-inch of some metallic part of the engine, rotate distributor counter-clockwise until a spark occurs at the end of the spark plug wire.

(4) Tighten distributor-mounting cap screws securely.

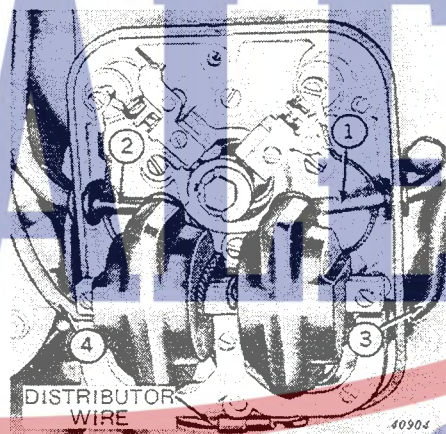
(5) Attach spark plug cables as shown in the illustrations below and to the right.

As viewed from the flywheel end of the engine, No. 1 cable goes to the left-front spark plug, No. 2 to the right-front plug, No. 3 to the left-rear, and No. 4 to the right-rear.

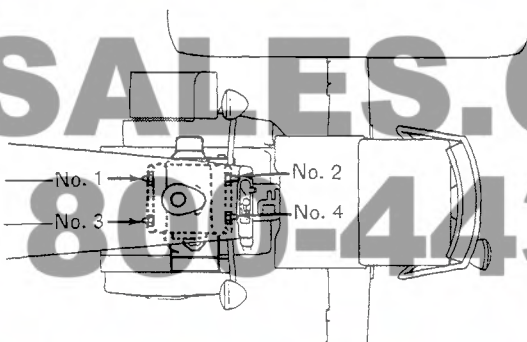
(6) Replace cover on distributor and cranking engine timing hole cover.



Timing Mark on Cranking Engine Flywheel



Distributor with Cover Removed



Cranking Engine Cylinder Numbers

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