

John Deere

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MODEL:

**830 Series Electric Start
S/n 83000000 & Up**

**OPERATOR'S
MANUAL**



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JD-O-OMR20820

**830 SERIES DIESEL
TRACTORS WITH
ELECTRIC STARTING
(SERIAL NO. 8300000-)**

MANUAL PREVIEW

OPERATORS MANUAL

**830 SERIES DIESEL TRACTORS WITH
ELECTRIC STARTING (SERIAL NO.
8300000-)**

OMR20820 (01SEP59) English

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OMR20820 (01SEP59)

**LITHO IN THE U.S.A.
ENGLISH**

Make: John Deere	Model: 80	Years Made: 1955-1956
HP-PTO: 67.64	HP-Engine:	HP-Drawbar: 61.7
HP-Range: 68	Engine-Make: JD	Engine-Fuel: DIESEL
Engine-Cyl(s)-CID: 2/471.5	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 6/1	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 7.50-18	Tires-Std Rear: 14-34	Wheelbase-Inch:
Pto Type: LIVE	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type: OPEN	Hyd-Cap:	Hyd-Flow:
Hyd Std Outlets: 2	Cooling Capacity:	Fuel Tank Capacity:
Std A/C; Rops:	Weight: 8511	New Price: 4454

RH SIDE OF TRACTOR ON MAIN CASE IN MAGNETO OR DISTRIBUTOR AREA		
Year	Beginning Serial Number	
1955	8000001	
1956	8000775	
1964	1000	
1964	1000	

Paint Codes for 80, 820 & 830		
Location	MFG Color Name	
Body	CLASSIC GREEN	
Wheels & Trim	Classic Yellow	

Make: John Deere	Model: 820 (2 CYL)	Years Made: 1956-1958
HP-PTO: 31	HP-Engine:	HP-Drawbar:
HP-Range: 31	Engine-Make: JD	Engine-Fuel: DIESEL
Engine-Cyl(s)-CID: 2/152	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 8/4	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 6.00-16	Tires-Std Rear: 12.4-28	Wheelbase-Inch:
Pto Type: IND	Pto Speed: 540	CAT I-3pt Hitch: True
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type: OPEN	Hyd-Cap: 7.4	Hyd-Flow: 5.8
Hyd Std Outlets:	Cooling Capacity: 11	Fuel Tank Capacity: 16.5
Cab-Std A/C; Rops:	Weight: 4350	New Price: 5447

Make: John Deere	Model: 830 (2 CYL)	Years Made: 1958-1961
HP-PTO: 81	HP-Engine:	HP-Drawbar:
HP-Range: 81	Engine-Make: JD	Engine-Fuel: DIESEL
Engine-Cyl(s)-CID: 2/472	Transmission-STD: SG	Optional:
Fwd/Rev Standard: 6/1	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front: 7.50-18	Tires-Std Rear: 14-34	Wheelbase-Inch:
Pto Type: LIVE	Pto Speed: 540	CAT I-3pt Hitch: False
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type:	Hyd-Cap:	Hyd-Flow:
Hyd Std Outlets: SINGLE	Cooling Capacity:	Fuel Tank Capacity:
Cab-Std A/C; Rops:	Weight: 8144	New Price: 5774

ADJACENT TO CRANKCASE DIPSTICK OUTLET, IN THE LOWER RH CORNER OF MAIN CASE 820 2 CYL		
Year	Beginning Serial Number	
1956	8000000	
1957	8200565	
1958	8203850	

ADJACENT TO CRANKCASE DIPSTICK OUTLET, IN THE LOWER RH CORNER OF MAIN CASE 830 2 CYL		
Year	Beginning Serial Number	
1958	8300000	
1959	8300727	
1960	8203850	

Make: John Deere	Model: 840	Years Made: N/A
HP-PTO:	HP-Engine:	HP-Drawbar:
HP-Range:	Engine-Make:	Engine-Fuel:
Engine-Cyl(s)-CID:	Transmission-STD:	Optional:
Fwd/Rev Standard:	Fwd/Rev Optional:	Mfwd-Std/Opt:
Tires-Std Front:	Tires-Std Rear:	Wheelbase-Inch:
Pto Type:	Pto Speed:	CAT I-3pt Hitch: False
CAT II-3pt Hitch: False	CAT III-3pt Hitch: False	Hitch Lift:
Hydraulics-Type:	Hyd-Cap:	Hyd-Flow:
Hyd Std Outlets:	Cooling Capacity:	Fuel Tank Capacity:
Cab-Std A/C; Rops:	Weight:	New Price: 0

Paint Codes		
Location	MFG Color Name	
Body	NEW AG GREEN	
Wheels & Trim	NEW AG YELLOW	

Year	Beginning Serial Number	
1958	8400000	
1959	8400033	
1960	8400619	
1995	1000	
1996	6001	
1997	10001	
1997	901001	
1998	20001	
1999	24001	
1999	904001	

Paint Codes		
Location	MFG Color Name	
Body	NEW AG GREEN	
Wheels & Trim	NEW AG YELLOW	

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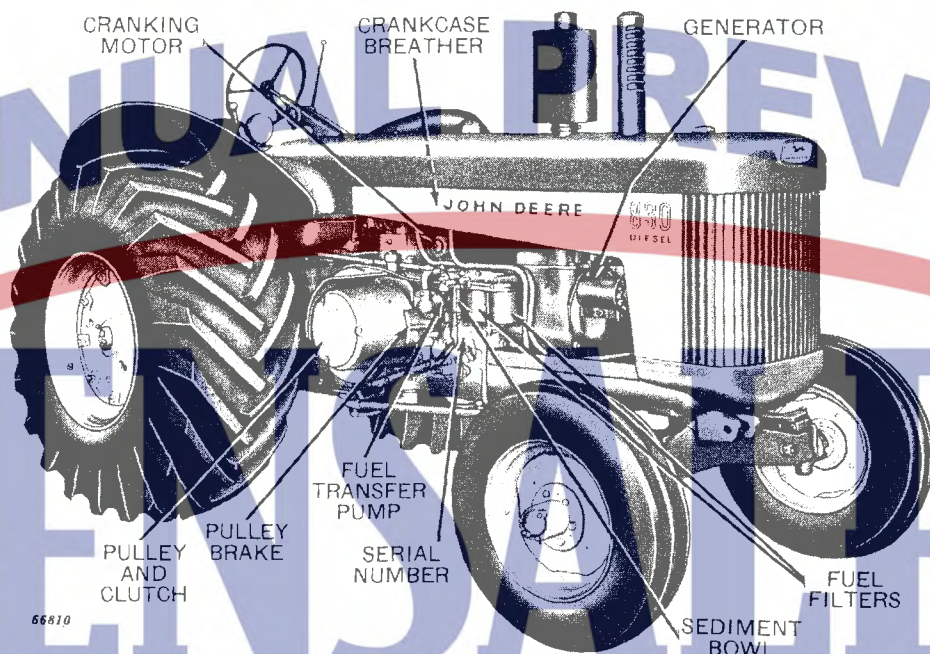
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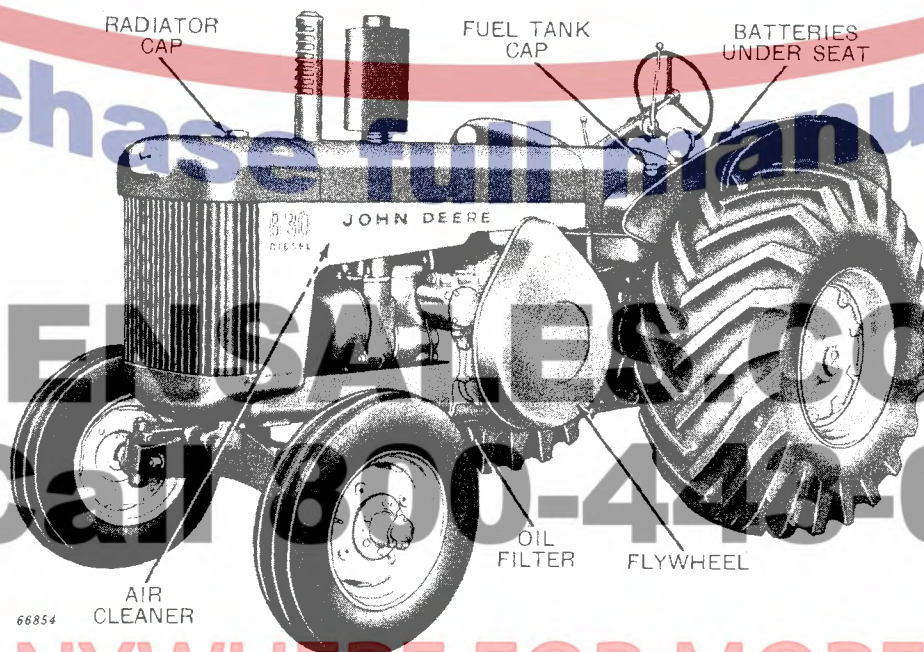
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This is Your New John Deere Tractor



**John Deere "830" Series Diesel Tractor with Electric Starting—Pulley Side
(Serial No. 8300000-)**



**John Deere "830" Series Diesel Tractor with Electric Starting—Flywheel Side
(Serial No. 8300000-)**

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SPECIFICATIONS

POWER TAKE-OFF SHAFT:

Shaft diameter..... 1-3/8"
Shaft rpm..... 536
Splined end ahead of hitch..... 14"
Splined shaft above ground..... 26-1/2"

POWER-TROL:

Type..... Direct engine-driven with either single function or dual function remote cylinder control valve.

REAR AXLES:

Diameter..... 3-1/4"
Bearings... Four tapered roller bearings.

FRONT WHEELS AND TIRES:

Bearings... Four tapered roller bearings.
Tires..... 7.50 x 18, 4-ply, regular; 7.50 x 18, 6-ply, and 8.25 x 20, 10-ply, available.

REAR WHEELS AND TIRES:

14-34 6-ply on cast disk wheels. 15-34 6-ply, 18-26 8-ply, 18-26 8-ply low profile, 15-34 or 18-26 cane and rice, and 18.00-26 10-ply grader available.

TREAD ADJUSTMENTS:

Front..... 56-1/2" and 63"
Rear:

14-34 or 15-34 on 14" Rims	15-34 on 16" Rims	18-26 or 18-26 or 18.00-26 on 16" Rims	18-26 or 18-26 or 18.00-26 on 20" Rims
64-1/2" or 68-1/2"	62-1/2" or 70-1/2"	67-1/4" or 75-1/4"	67-1/4" or 83-1/4"

DIMENSIONS:

Wheel Base..... 85-1/4"
Over-All Height..... 81"
Height to Top of Steering Wheel..... 80-3/4"
Over-All Length..... 142-3/4"
Turning Radius..... 15' 6"

*Shipping weight with power-shaft, Power-Trol, and power steering (approx.)..... 8000 lbs.

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

(Specifications and design subject to change without notice.)



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Removing Protector Plugs.



Removing Breakaway Protector Plugs

Relieve auxiliary spring load by cocking the retainer rod lever. Remove coupling protector plugs by pulling rearward on the oil lines leading from valve housing to coupling and lifting plugs from coupling.

Selecting Proper Coupling.

When attaching the remote cylinder hoses to the No. 1 (left-hand) breakaway coupling, plug the hose from the remote cylinder outlet marked "L" into the **upper** coupling hole.

When attaching the remote cylinder hoses to the No. 2 (right-hand) breakaway coupling, plug the hose from the remote cylinder outlet marked "L" into the **lower** coupling hole.

When a single-acting remote cylinder is being used, the hose is installed in the upper breakaway coupling.

Connecting Hoses.

Again pull rearward on oil lines from valve housing and insert hose ends into breakaway coupling. When the oil lines are released, the hoses will be automatically locked in place.

Uncock the retainer rod lever and tighten nut on tractor end of coupling.



Connecting Remote Cylinder Hose to Breakaway Coupling

Relieving Pressure in Remote Cylinder.

If it is found difficult to insert the hoses, it may be due to oil pressure in the remote cylinder and hoses. This pressure can be relieved by tak-

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