

John Deere

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MODEL:

4640 & 4840 Tractors

MANUAL PREVIEW

OPERATOR'S
MANUAL

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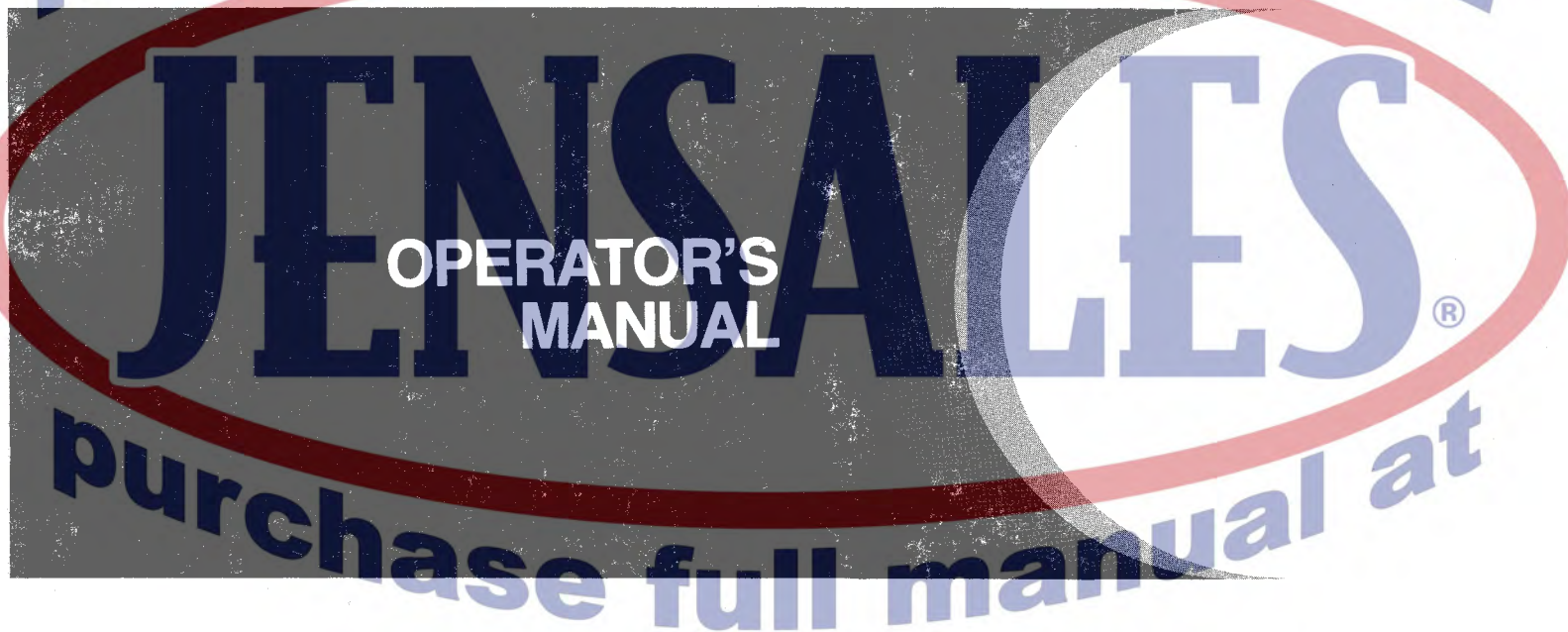
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JD-O-OMR65463

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4640 and 4840
Tractors

MANUAL PREVIEW



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John Deere Tractor Works
OM-R65463 Issue E1

LITHO IN U.S.A.

IMPORTANT WARRANTY INFORMATION

The warranty on this tractor appears on your copy of the purchase order which you should have received from your dealer when making your purchase. This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty.

Warranty and field improvements are a part of John Deere's product support program for customers who operate and maintain their equipment as described in this manual. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.



This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



Worldwide symbols are used to assist identification and operation. In this manual, an identifying symbol is placed by the instructions like the example at left for the symbol on the engine oil pressure gauge. The cylinder block in the symbol represents the engine, the drop signifies oil, and the arrows indicate pressure. Regardless of the language used in a nation, this symbol means engine oil pressure without translation.

This operator's manual contains SI Metric equivalents which follow immediately after the U.S. customary units of measure.

"Right-hand" and the "left-hand" sides of the tractor are determined by facing in the direction of tractor forward travel.

Record your tractor serial numbers on page 129. Provide this information to your dealer when ordering parts.



John Deere 4840 Tractor

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Adjusting Hitch

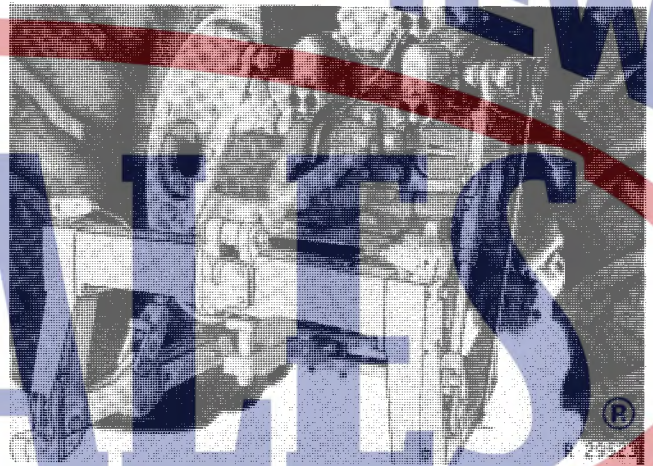
1. Adjust center link to level implement front-to-rear. Lift handle and rotate center portion to lengthen or shorten center link. Push handle down and install lock pin to lock center link in position.

Normal length of center link is 29-1/4 in. (742 mm). It is adjustable from 27-3/4 to 32-1/2 in. (705 to 825 mm). Measure between centers of attaching pins.



2. Adjust either lift link to level implement side-to-side. Raise lock and use a wrench to rotate center portion of lift link. Push lock back down and install lock pin to hold lift link in position.

Normal length of lift link is 35-1/2 in. (900 mm). It is adjustable from 33-3/4 to 37 in. (860 to 940 mm). Measure between centers of attaching pins.



3. If implement has gauge wheels, place lateral float pins in upper holes. This allows either draft link to raise slightly as implement follows ground surface.

To hold implement rigidly, place lateral float pins in lower holes.



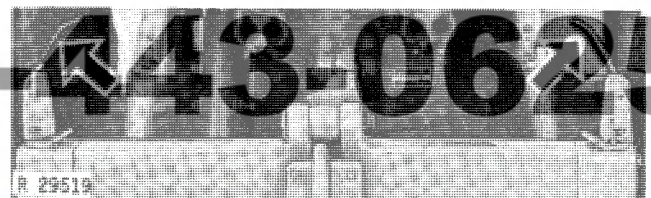
Float



No Float

Removing Implement

1. With implement raised, raise both latch control levers.
2. Lower implement to ground. Continue lowering Quik-Coupler until hooks clear implement hitch pins.
3. Carefully drive tractor away from implement.



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TOWING



CAUTION: Never tow tractor faster than 20 mph (32 km/h). If possible, tow tractor with engine running and have someone operate steering and brakes.

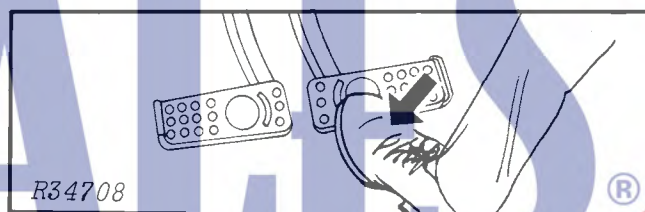
IMPORTANT: To avoid damaging transmission-hydraulic system, observe the following precautions:

1. Never attempt to start tractor by towing.
2. Be sure transmission-hydraulic system oil level is to full mark on dipstick. If tractor is to be towed with front end raised, add one gallon of oil for each six inches (1 L for each 40 mm) it is raised.

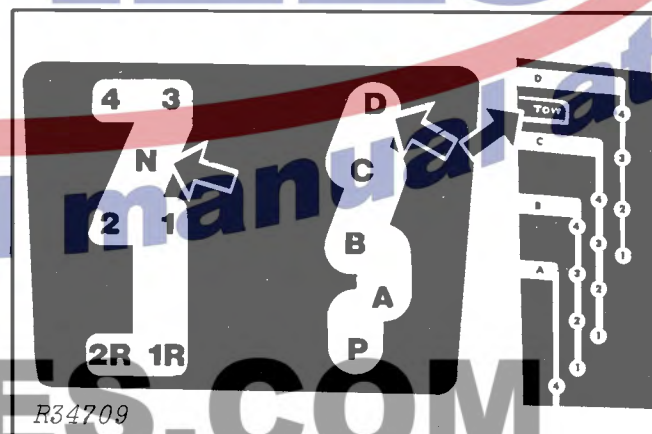
A—Dipstick
B—Filler Cap



3. Depress and release brake pedal to make sure differential lock is not engaged.



4. On Quad-Range tractors, move speed selector to neutral and range selector to "TOW" (between C and D).

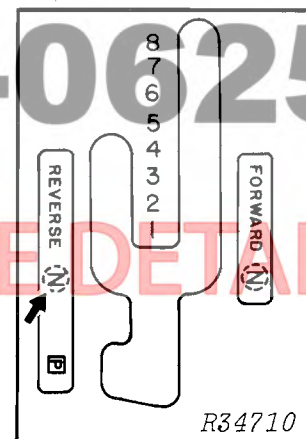


5. On Power Shift tractors, pull latch and move tow lever rearward to tow position. Be sure latch engages rear hole. Move speed selector to neutral.



CAUTION: Use a rigid towbar attached to both sides of front axle.

After towing, move speed selector to park and move tow lever to forward position. If tow lever is difficult to move forward, attempt to move tractor slightly. Spring on lever will move it forward.



4640 TRACTOR

4840 TRACTOR

POWER SHIFT TRANSMISSION:

Type	planetary gears, hydraulically actuated wet disk clutches and brakes	planetary gears, hydraulically actuated wet disk clutches and brakes
Gear selections	8 forward and 4 reverse	8 forward and 4 reverse
Shifting	hydraulic, on-the-go and under load	hydraulic, on-the-go and under load

QUAD-RANGE TRANSMISSION:

Type	2-speed, power shifted planetary and 8-speed synchronized
Gear selections	16 forward and 6 reverse
Perma-Clutch	hydraulically-operated, multiple-disk wet clutch

POWER TAKE-OFF:

Type	fully independent	fully independent
Speed (2200 engine rpm)	1000 rpm	1000 rpm
Size	1-3/4 in. (45 mm)	1-3/4 in. (45 mm)
Clutch	hydraulically-operated, multiple-disk wet clutch	hydraulically-operated, multiple-disk wet clutch

POWER FRONT-WHEEL DRIVE:

Type	hydraulic motor with planetary gear reduction, constant torque and variable speed
Controls	solenoid-operated valves, synchronized with transmission controls

HYDRAULIC SYSTEM:

Type	closed-center, constant-pressure	closed-center, constant-pressure
Standby pressure	2250 psi (15 500 kPa) (155 bar)	2250 psi (15 500 kPa) (155 bar)

BRAKES:

Type	hydraulically-operated wet disk	hydraulically-operated wet disk
------	---------------------------------	---------------------------------

ELECTRICAL SYSTEM:

Type	12-volt, negative ground	12-volt, negative ground
Batteries	two, 6-volt, 5D group, 800 amps cold cranking, 376 minutes reserve capacity	two, 6-volt, 5D group, 800 amps cold cranking, 376 minutes reserve capacity
Alternator	72-amp with SOUND-GARD Body, 61-amp without	75-amp

FRONT TIRES

see page 101

see page 101

REAR TIRES

see page 101

see page 101

FRONT WHEEL TREAD

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see page 64

REAR WHEEL TREAD

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GROUND SPEEDS

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see page 30

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