

4040, 4240 and 4440 Tractors



OPERATORS MANUAL

4040, 4240 and
4440 Tractors

OML32980 Issue H9 English

John Deere Werke Mannheim
OML32980 Issue H9

LITHO IN U.S.A.
ENGLISH





To the Purchaser

Your versatile new John Deere Tractor meets the exacting requirements of modern farming.

Operating ease and comfort, hydraulic power when and where you need it, the ability to match engine power and transmission speed to any job, outstanding economy and dependability, modern styling, and simplicity of lubrication and service are all special features of this tractor.

At the time the tractor was delivered, the John Deere dealer discussed with you its safe operating and proper care. However, before putting the tractor to work, read this manual.

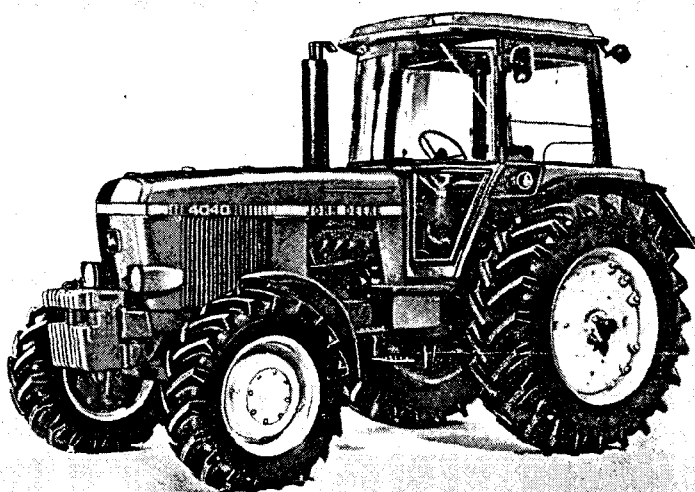


This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

IMPORTANT: Your operator's manual contains the SI metric measurements which have been standardized internationally.

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NOTE: This is a combined operator's manual for 4040, 4240 and 4440 tractors. Each tractor has two slightly varying basic equipment versions, dependent upon the regulations of the country in which the tractor is to be operated.



L 14506

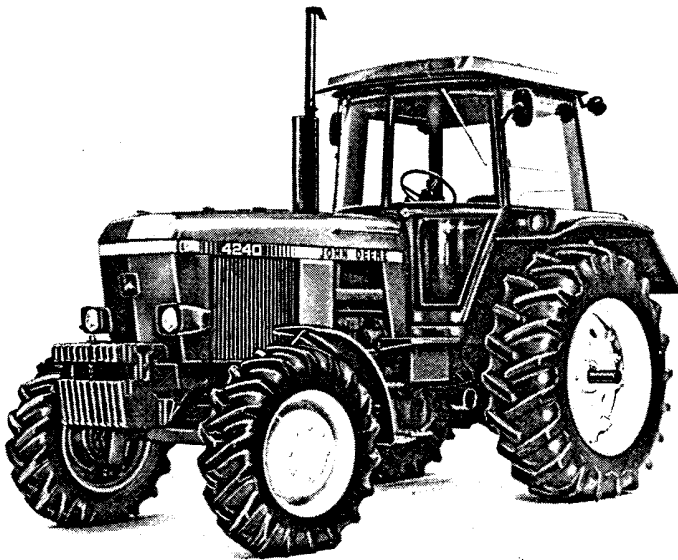
4040

All information, illustrations, and specifications contained in this operator's manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.



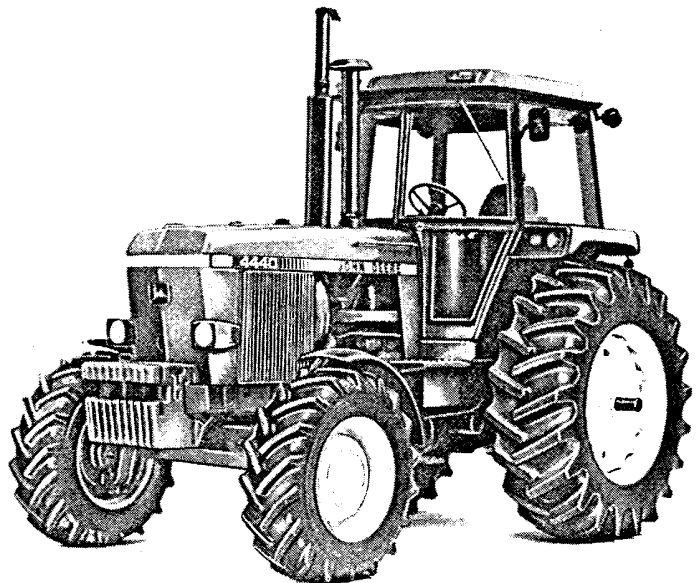
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L 14507

4240



L 14508

4440

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Hello dear friend!

Thank you very much for reading.

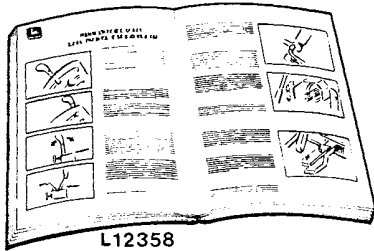
Enter the link into your browser.

The full manual is available for immediate download.

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Safety Rules



L12358

Do not put this operator's manual away unread. Read the manual carefully, regardless of your previous experience. Allow yourself this time, it will save you time and labour later on.



R29423

Operate Tractor Safely

Allow only trained operators to use or adjust the tractor.

Make sure that all **safety guards** and shields supplied with your tractor are serviceable and installed before operating tractor.

Never operate the tractor in a closed building. Danger of asphyxiation.

Brake pedals must be coupled together by means of the pedal coupler when driving on public roads.

Always maintain **brakes** in excellent condition and adjustment.

Do not allow **passengers** on the moving tractor unless a second seat is provided.

Always use the **seat belt** when driving the tractor.

Do not operate the tractor without a roll guard.

A protective four-post roll-guard is incorporated in each operator's cab. On this construction, as well as on tractor equipped with a roll-guard only, do not, under any circumstances, modify structural members of roll-guard by welding on additional parts, drilling holes etc. Disregarding this instruction can affect the rigidity of the roll-guard and therefore the operator's safety cannot be guaranteed.

Make sure that the tractor can be **safely steered** and operated, especially when driving up a steep hillside or down a slope.

To make sure that the tractor can be safely steered with rear-mounted implements, install **front weights**.



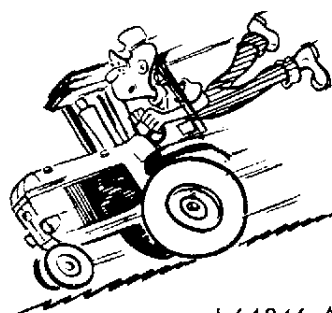
R29424

Always keep tractor in gear when driving down steep hills or inclines. Never coast downhill.

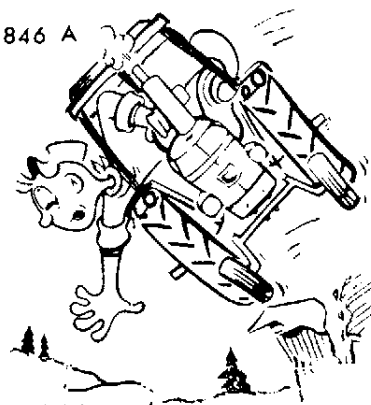
When driving out of a ditch, gully, or up a steep slope, engage the clutch slowly. Be prepared to declutch promptly if the front wheels rise off the ground. Use the same care if rear wheels mire in soft ground or drop into a hole. Back the tractor out of these spots if at all possible.

Avoid holes, ditches, etc. which may cause the tractor to tip, especially on hillsides.

Drive slowly over rough ground or on hillsides and reduce speed when turning.



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L64845 A

Never tow the tractor faster than 25 km/h (15 mph).

Before descending a steep hill, shift to a low gear to control the tractor with little or no braking.

Avoid hard application of the brakes when pulling heavy loads.

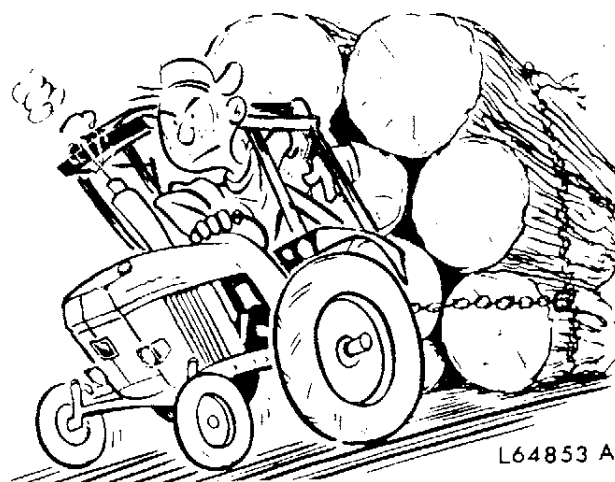
Dim the headlights in case of oncoming traffic or when driving through populated areas. Be sure headlights are properly adjusted.

When traveling on public roads, observe traffic regulations.

Trailers attached to the tractor should be equipped with a safely operating brake and lighting system.

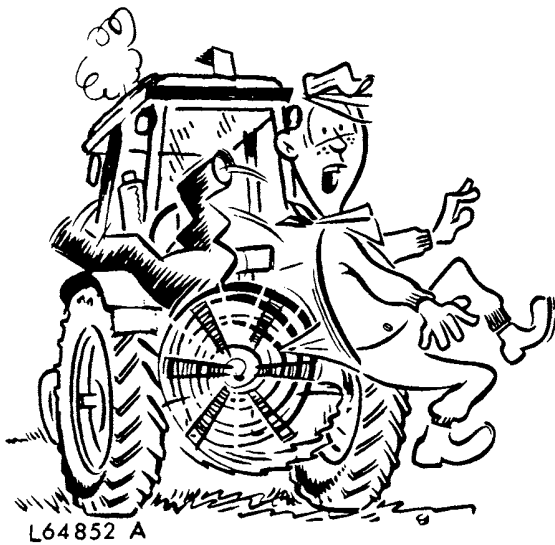
Install additional red tail lights on rear-mounted implements covering the tractor tail lights or if the implement protrudes laterally.

The power demands of attached or drawn implements should be well within the tractor's power range.



L64853 A

4 Safety Rules



Operate PTO Safely

PTO master shield should be in place at all times except when connecting a PTO drive line.

The PTO shaft guard should be in place when the PTO is not being used.

Stop the engine and be sure the PTO has stopped before:

- Connecting or disconnecting PTO driven implements.

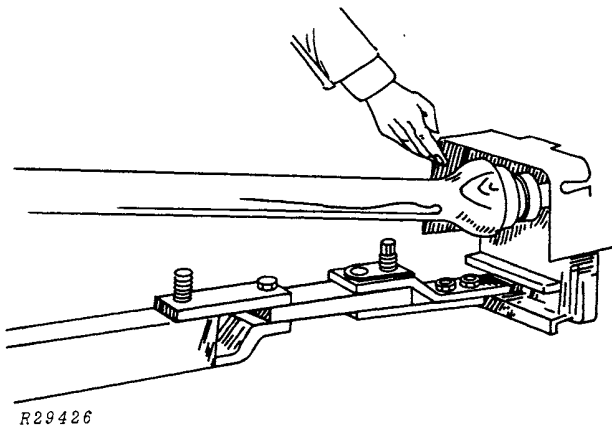
- Making any drawbar adjustments.

- Cleaning, lubricating or adjusting PTO driven equipment.

After having disengaged the PTO, driven equipment does not become stationary immediately. Do not attempt to make adjustments or repairs while tractor is running unless specifically recommended. Disengage PTO, place transmission in park or apply handbrake, and shut off tractor engine before working on equipment.

If a PTO-driven implement is attached, make sure powershaft shields are installed.

Do not wear loose clothing near moving parts.



Park Tractor Safely

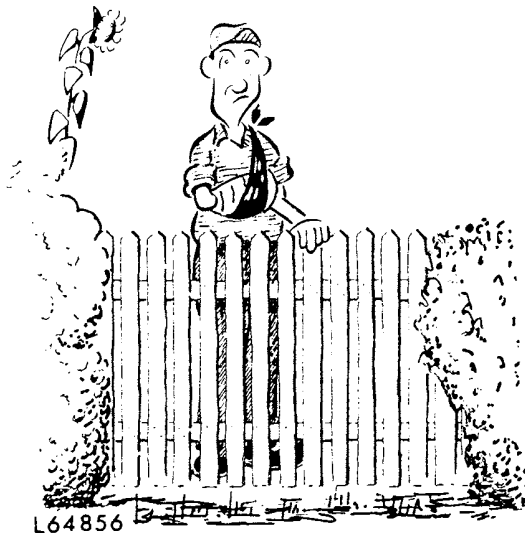
Never try to get on or off a moving tractor.

Before dismounting, place speed selector lever in neutral and range selector lever in park and apply handbrake firmly (when equipped).

Do not leave equipment raised when tractor is stopped. Always lower it to the ground.

Remove main switch key.

Chock rear wheel when parking on a slope.



Handle Chemicals Properly

The operator's cab air filters are not designed to filter out harmful chemicals. When using agricultural chemicals, follow the instructions given by the chemical manufacturer.

Service Tractor Safely

Do not refuel, grease, or adjust the tractor while engine is running.

Always disconnect battery ground strap before adjusting engine or electrical system.

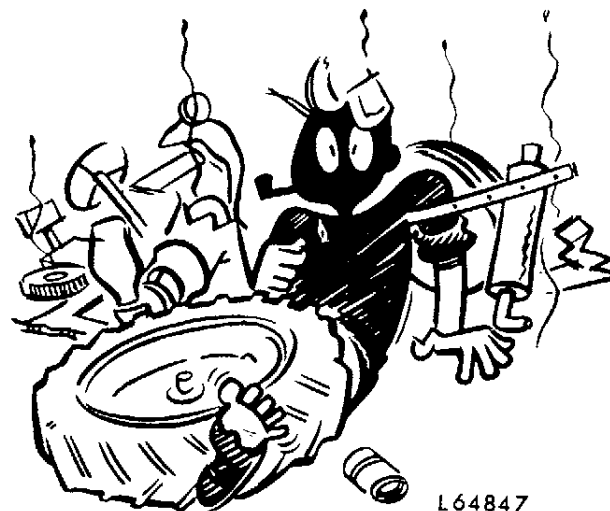
Add coolant only with engine stopped or idling. Turn radiator cap slowly to relieve pressure before removing.

Avoid Explosions or Fire

Before using booster batteries, read the instruction on page 23. Before connecting or disconnecting a battery charger, turn the charger off to avoid sparks.

Use caution in handling any type of tractor fuel. Never refuel the tractor when the engine is hot or running. Do not smoke while filling the fuel tank or servicing the fuel system.

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious bodily injury. **DO NOT** attempt to mount a tire unless you have the proper equipment and experience to perform the job safely. Have it done by your John Deere dealer or a qualified tire repair service.



Avoid High-Pressure Fluids

Remove the radiator filler cap only when the coolant temperature is below the boiling point. Then loosen the cap slightly to the stop to relieve pressure before removing it completely.

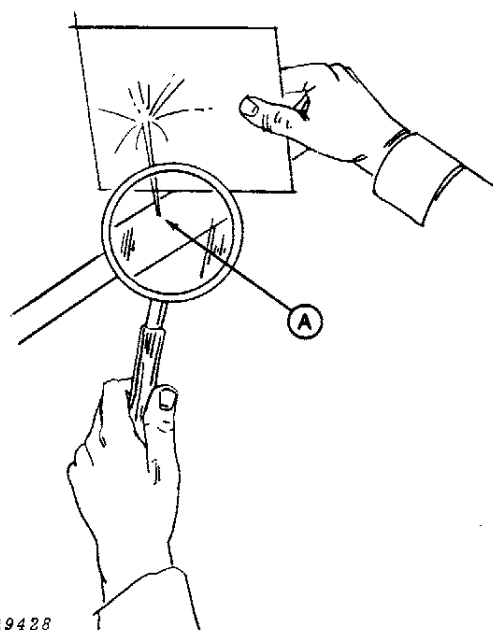
Escaping hydraulic oil under pressure can cause personal injury; therefore, be sure all connections are tight and that lines and hoses are not damaged. Before disconnecting lines in the tractor hydraulic system, be sure to relieve all hydraulic pressure.

Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Before disconnecting brake accumulator or brake valve, relieve all pressure from the accumulator. With engine stopped, pump brake pedals until pedals easily go all the way down.

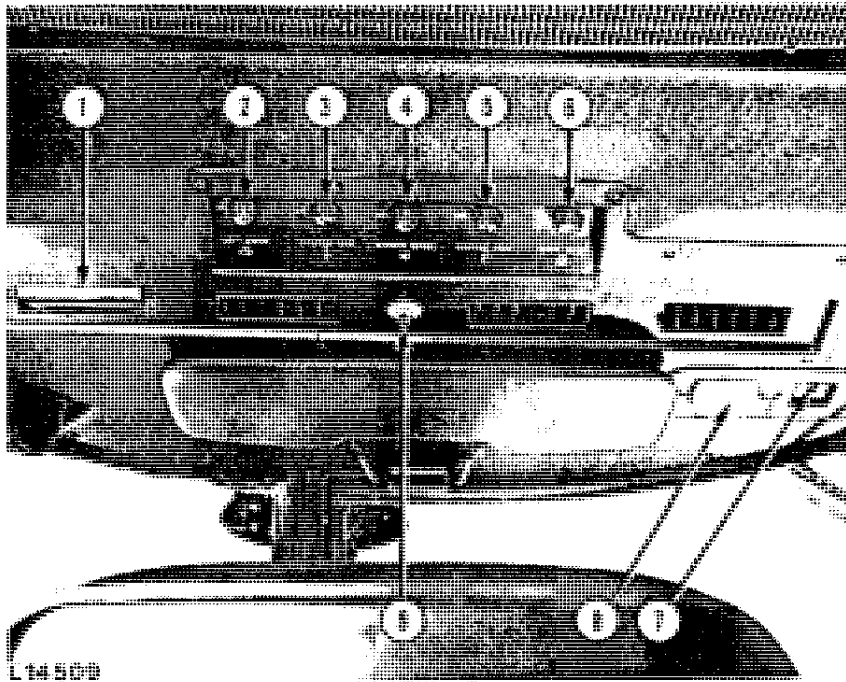
Do not attempt to service brake accumulator. Have the job done by your JOHN DEERE dealer.



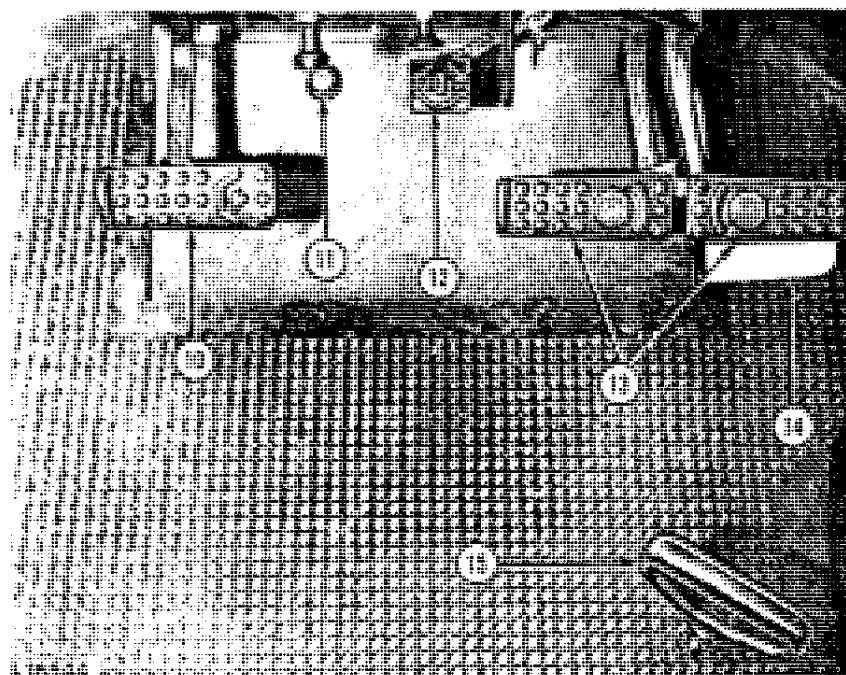
R29428
A — Pin hole leak



Controls and Instruments



- 1 Air louvers (adjustable)
- 2 Wiper switch, left-hand
- 3 Air conditioning control switch
- 4 Blower switch
- 5 Heater control switch
- 6 Wiper switch, right-hand
- 7 Console lamp
- 8 Dome lamp
- 9 Windshield washer switch

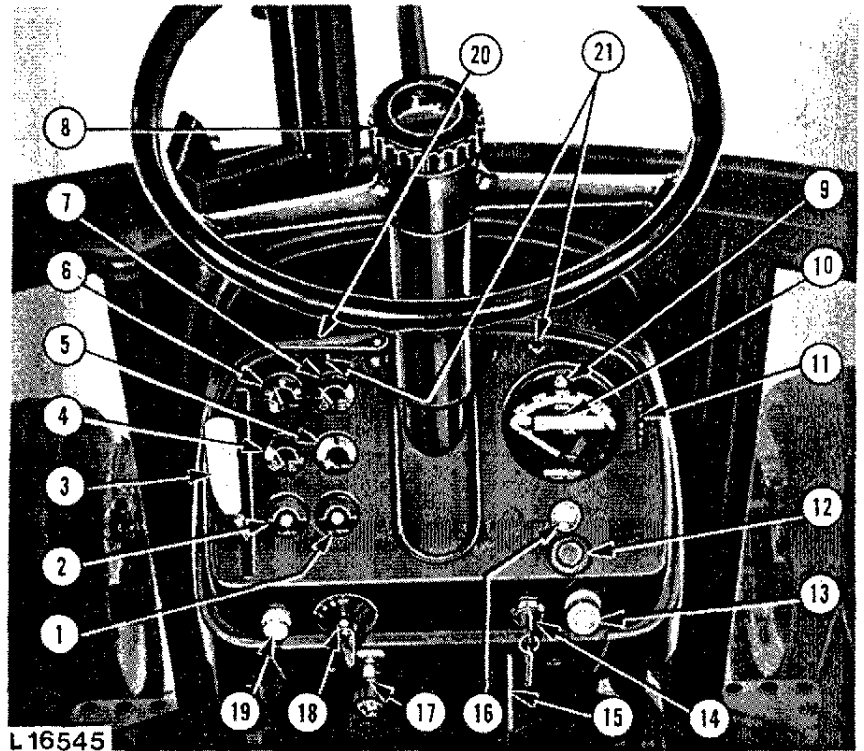


- 10 Clutch pedal
- 11 Dipper switch
- 12 Differential lock pedal
- 13 Brake pedals
- 14 Foot throttle
- 15 Handbrake lever

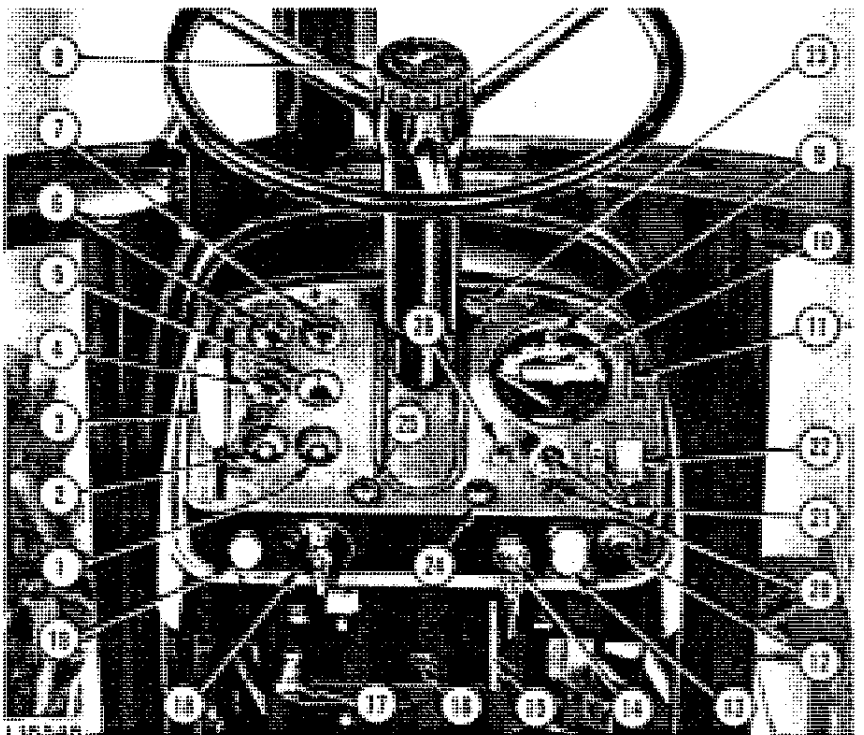


Controls and Instruments

- 1 Air cleaner restriction indicator light
- 2 Transmission oil indicator light
- 3 PTO clutch lever
- 4 Engine oil pressure gauge
- 5 Voltmeter
- 6 Fuel gauge
- 7 Coolant temperature gauge
- 8 Steering wheel telescope release
- 9 Full beam indicator light
- 10 Speed-hour meter
- 11 Speed indicator wheel
- 12 Horn button
- 13 Engine shut-off knob (4240 and 4440 only)
- 14 Main switch
- 15 Steering column tilt release lever
- 16 Cigarette lighter
- 17 Hazard warning light switch
- 18 Light switch
- 19 Ether starting aid button
- 20 Turn signal switch
- 21 Turn signal indicator lights
- 22 Front wheel drive operating switch (optional equipment)

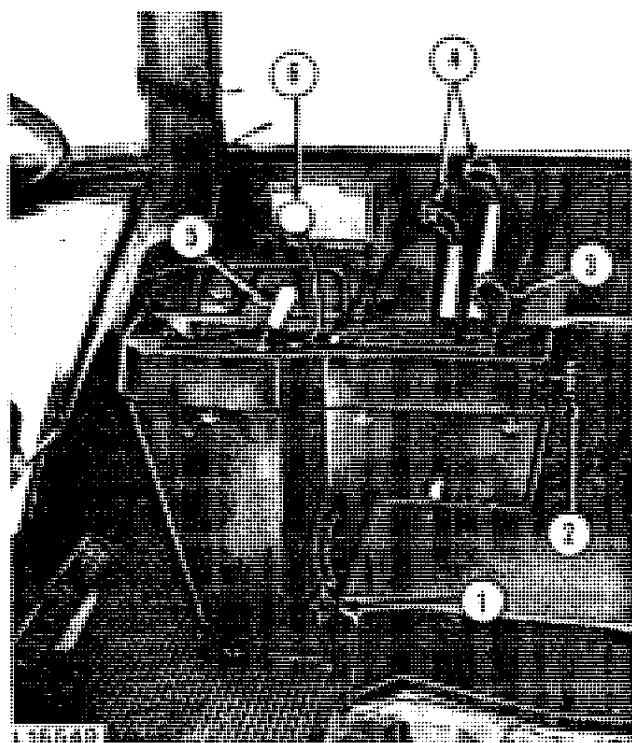
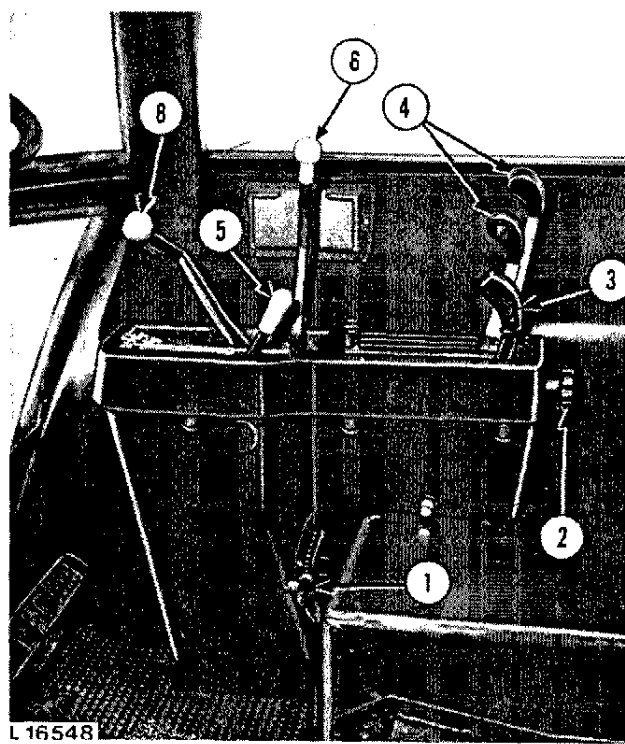
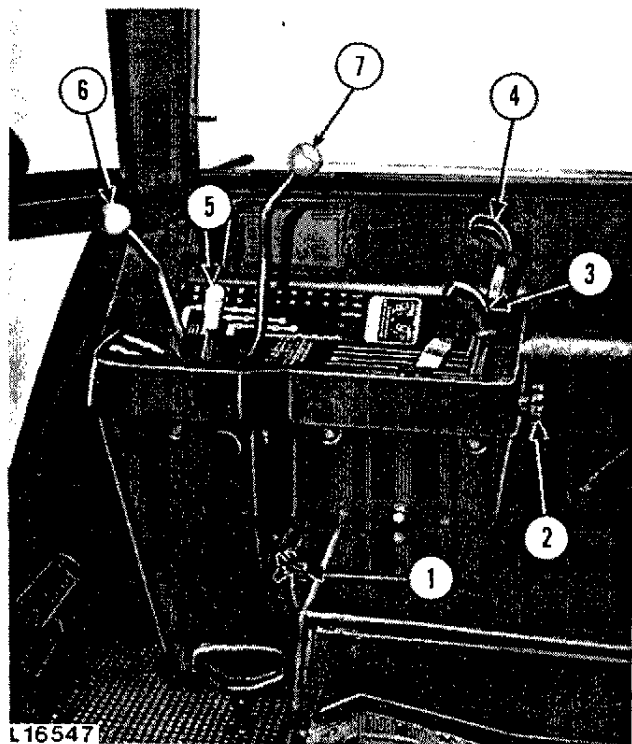


- 23 Handbrake indicator light
- 24 Steering indicator light
- 25 Hydraulic brake indicator light
- 26 Work light switch





Controls and Instruments



- 1 Rockshaft selector lever
- 2 Rockshaft depth stop adjusting handwheel
- 3 Rockshaft control lever
- 4 Selective control valve lever
- 5 Hand throttle
- 6 Gear shift lever
- 7 Range shift lever (Quad-range transmission only)
- 8 Creeper transmission control lever (optional equipment)

Instruments

Check instruments often. Leave key switch on while operating tractor so that instruments will function. Check indicator lights each time engine is started to be sure that they work.

Keep engine speed between 1500 and 2200 rpm for most work. Align needle with PTO mark (2200 rpm) for standard PTO speed.

Depending upon tractor equipment and the desired operating speed, turn speed indicator wheel until the gear selected shows in the speed indicator. The speed-hour meter will now indicate both engine speed and tractor speed.

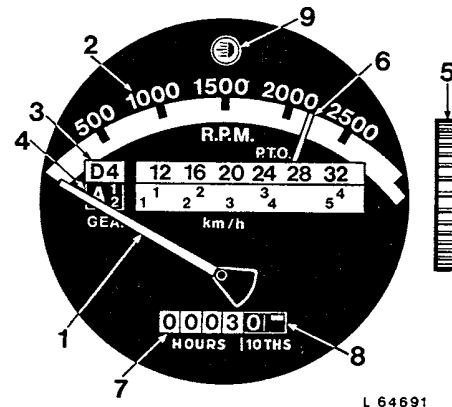
The blue indicator light glows as soon as full-beam headlights are switched on. Dim the headlights in case of oncoming traffic or when driving through populated areas.

- 1 — Speed-hour meter needle
- 2 — Engine speeds
- 3 — Approximate travel speeds
- 4 — Travel speeds (exact travel speeds are shown with Quad-Range transmission only)
- 5 — Depending upon tractor equipment and the desired operating speed, turn speed indicator wheel on the dash until the gear selected shows in the speed indicator. The speed-hour meter needle will now indicate both engine speed and tractor speed.
- 6 — Mark for powershaft operation and upper limit of working speed range (2200 rpm)
- 7 — Hours of operation in full hours
- 8 — Hours of operation in tenths of hours
- 9 — Full-beam indicator light

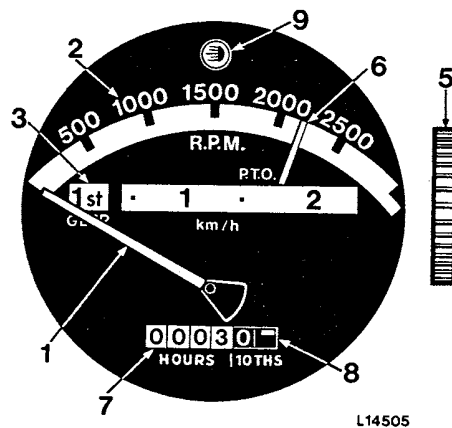
Refill fuel tank as soon as needle points to left-hand mark. Never run fuel tank completely dry! Fill the fuel tank at the end of each day's operation to prevent moisture from collecting and in winter, freezing in the fuel system.

If the gauge needle is in the red warning zone the engine is overheating. Immediately reduce load or shift to a lower gear. Unless the needle quickly drops below the red zone, stop the engine and determine the cause.

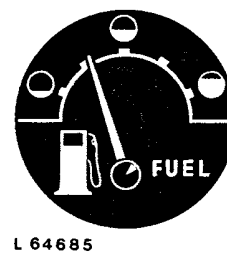
Speed-hour meter
Quad-Range transmission



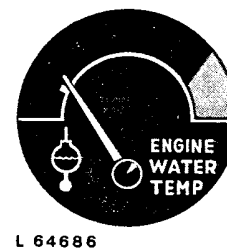
Power Shift or Syncro-Range transmission



Fuel gauge



Coolant temperature gauge

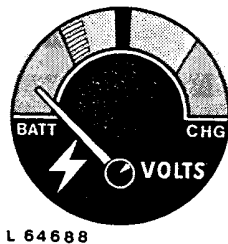


Engine oil pressure gauge



If engine oil pressure gauge ever drops into the red zone, stop the engine immediately and determine the cause. If low oil level or restricted filter is not the cause, see your John Deere dealer. NEVER operate the engine without sufficient oil pressure.

Voltmeter



The voltmeter indicates condition of batteries and electrical input voltage. With main switch in "on" position and engine not running, the needle should be in the left-hand green band. If it does not, batteries are undercharged. With engine running, needle should rise to right-hand green band. If needle moves from this band with engine running, stop engine and check electrical system.

Transmission oil indicator light



On Tractors with Power Shift Transmission: Light indicates high oil temperature. See page 42.

On Tractors with Quad-Range or Syncro-Range Transmission: Light indicates low oil pressure. If tractor is equipped with power front-wheel drive, light also indicates high oil temperature.

Air cleaner indicator light



Light indicates a restricted air filter. If it lights, service the air cleaner. See pages 95 to 97.

As a test, both bulbs (transmission and air cleaner indicator) should light when main key switch is turned to start position.

Handbrake indicator light



This indicator light glows as soon as handbrake is applied and goes out as soon as it is released.

Steering indicator light



Hydraulic brake indicator light



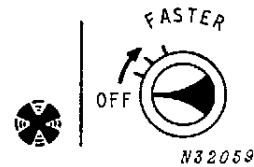
These indicator lights glow for a short period when the engine is started and go out as soon as the specified oil pressure has been reached. Should either of these lights glow when operating, immediately stop the tractor. This means that the oil pressure is too low and has dropped below the specified pressure.

Operator's Cab Controls

CAUTION: The operator's cab air filters are not designed to filter out harmful chemicals. When using agricultural chemicals, follow the instructions given in the implement operator's manual and those given by the chemical manufacturer.

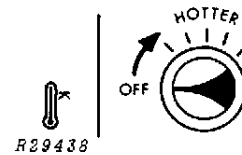
Blower

The blower is operated by means of a two-speed switch. To maintain a clean atmosphere in the cab when operating the tractor, run the blower continuously with cab doors and windows closed. Incoming air is filtered and direction of flow adjustable by means of the louvers.



Heater temperature control

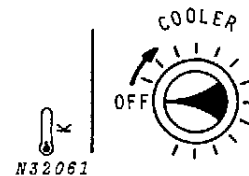
The cab heater is connected to the tractor engine cooling system. Coolant flow through the heater core is controlled by the heater temperature control knob. Adjust the volume of air flow with the blower switch. To obtain maximum heat, turn knob clockwise. Air conditioning control switch must be turned off when heater switch is turned on.



Air conditioning temperature control

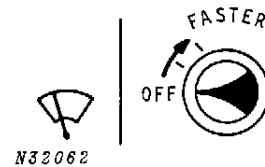
The operator's cab may be equipped with air conditioning. The blower switch must be turned on before switching on the air conditioning. For maximum cooling turn knob clockwise to end position.

Turning the heater on for a short period when operating the air conditioner will help to control humidity. However, under normal conditions the heater temperature knob should be turned off when operating the air conditioner.



Windshield wipers

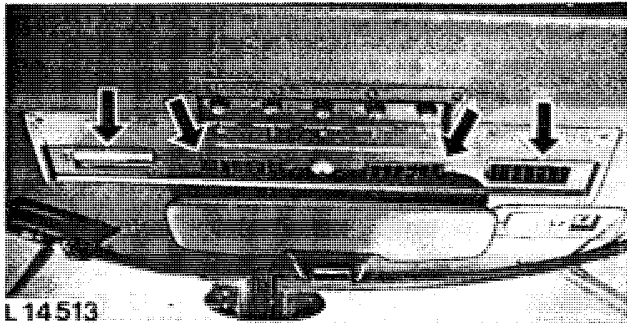
The left and right-hand windshield wipers have switches. The first switch position is for slow wiper speed and the second for fast wiper speed. The wiper blade automatically returns to park position when the switch is turned to its "off" position. (A rear windshield wiper is available as field installation).



Windshield washer system

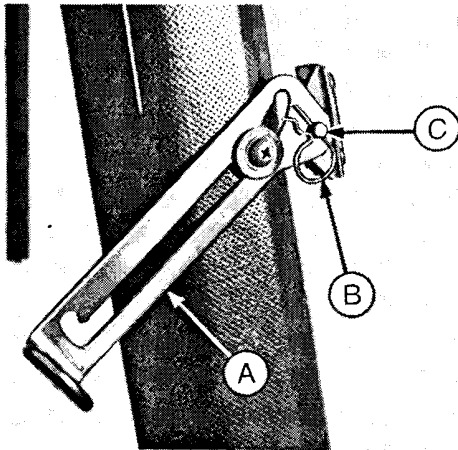
Push button to operate windshield washer.





Louvered air outlets

Adjust louvers to direct air where needed, such as for demisting windows.



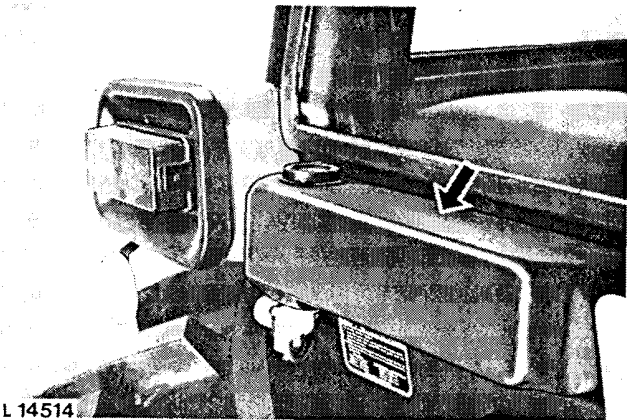
Windows

To open a window, lift and push BOTH sliding latches (A) out to the notched detents.

For an emergency exit, remove spring pins (B) and clevis pins (C). Swing windows out as far as necessary.

- A — Latches
- B — Spring pin
- C — Clevis pin

When operating the tractor with the windows open, be careful to prevent damage to the windows from mounted equipment, tree branches, etc.



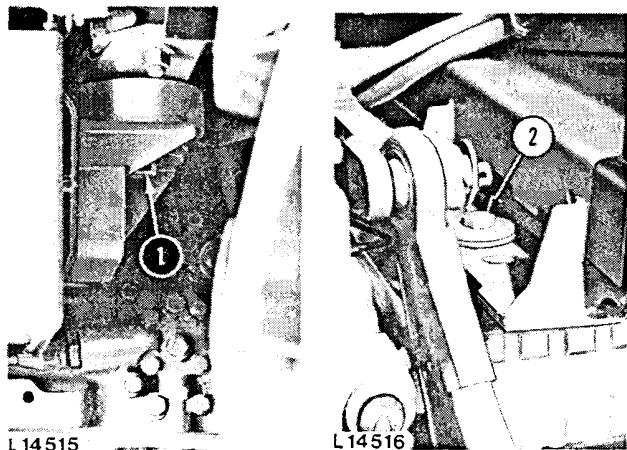
Filling windshield washer reservoir

Add a suitable anti-freeze solution if temperature is liable to drop below freezing point.

CAUTION: A protective four-post roll-guard is incorporated in each operator's cab. On this construction, as well as on tractors equipped with a roll-guard only, do not, under any circumstances, modify structural members of roll-guard by welding on additional parts, drilling holes etc. Disregarding this instruction can affect the rigidity of the roll-guard and therefore the operator's safety cannot be guaranteed.

OPERATOR'S CAB MOUNTING CAP SCREWS

Periodically check operator's cab or roll guard mounting cap screws for tightness. If necessary, tighten to 200 Nm (20 mkp; 145 ft-lb) torque.



- 1 — Front mounting cap screws
- 2 — Rear mounting cap screws

OPERATOR'S SEATS

Two seat types are available.

Seat for Tractors Without Operator's Cab

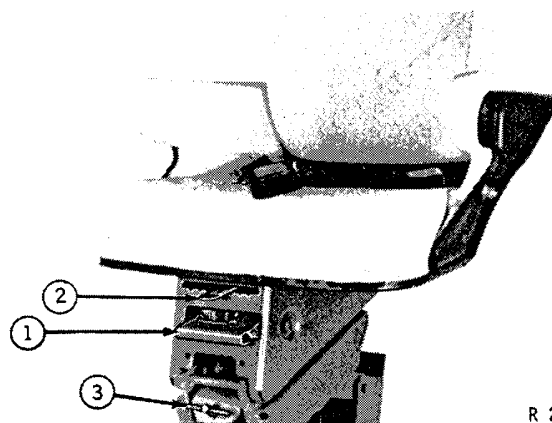
NOTE: Use only warm water and mild soap to clean the seat cushions. Never use strong solvents.

Height and weight adjustment

1. Stand and lift seat release latch. Seat will move automatically to the upper, rear position.
2. Move height adjustment lever to desired position.

The seat should "float" between its upper and lower positions when the operator is seated. If the seat hits bottom, or if the suspension seems too hard, the steel compression spring can easily be adjusted.

3. To increase spring tension for a heavy operator, turn the weight adjusting screw clockwise. Turn the screw counterclockwise to adjust for a light operator (decrease spring tension).



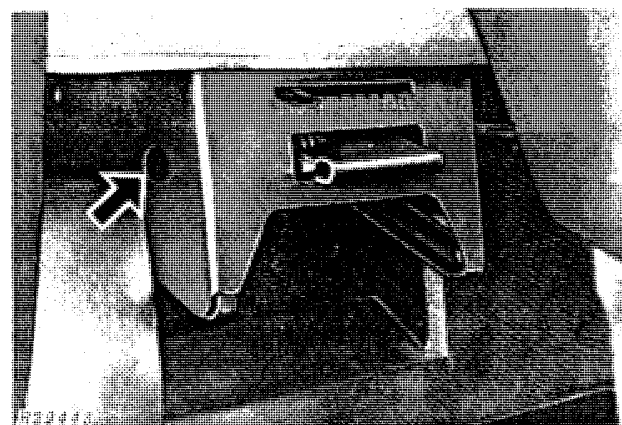
R 29442

Adjusting counterbalance spring

If the seat does not move fully to the rear when the seat release latch is lifted, the counterbalance spring needs to be tightened.

Before adjusting the spring, push the seat to the upper, rear position. Insert a screwdriver in the slotted end of the counterbalance shaft and press inward to release the shaft. Turn the shaft counterclockwise two or three turns, and be sure it engages the locking slots as you release pressure on the screwdriver.

If the seat still does not move fully to the rear, repeat the procedure.



Seat for Tractors With Operator's Cab

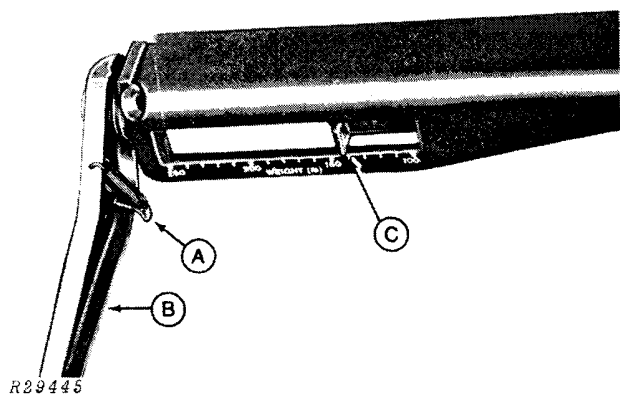
For operator's comfort this seat is adjustable in six different respects and is upholstered in durable cloth fabric for operator comfort.

Seat fabric and arm rests should be vacuum cleaned or brushed with a soft bristle brush frequently to remove loose dirt and dust. Fabric cleaners may be used to clean normal soilage on fabric. A mild-soap solution in warm water may be used to clean arm rests.

The procedures are the same as previously described for moving the seat to its upper rear position, adjusting for height of operator, and adjusting counterbalance spring.



L 16551

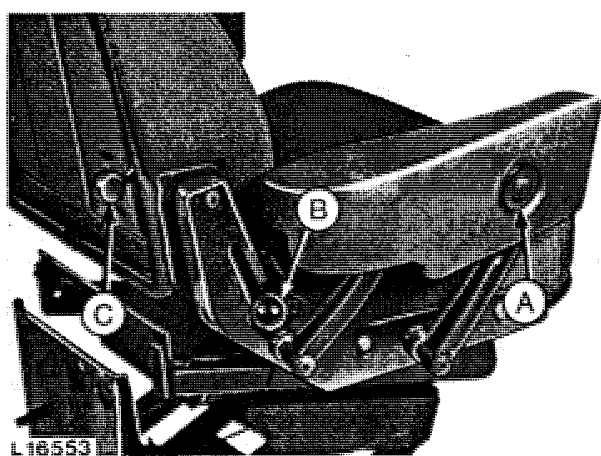


Adjusting for weight of operator

The seat is adjustable for operator weights from 45 to 115 kg (100 to 250 lb).

1. Flip ratchet lock (A) rearward to adjust for firmer ride or forward to adjust for softer ride.
2. Repeatedly move lever (B) up and down.

A — Ratchet lock
B — Weight adjustment lever
C — Weight indicator scale



Adjusting armrest height

Armrest height is adjustable to five different positions. To change the height, simply press the armrest release button (A) and move the armrest to the desired position.

Avoid sitting on armrest. If you do sit on it, do so only when it is fully lowered.

Adjusting backrest angle

The backrest is adjustable through a 10° angle. To change the angle, raise or lower the backrest angle control knob (B) to a position which makes the backrest comfortable.

A — Armrest release button
B — Backrest angle control knob
C — Lumbar support control knob

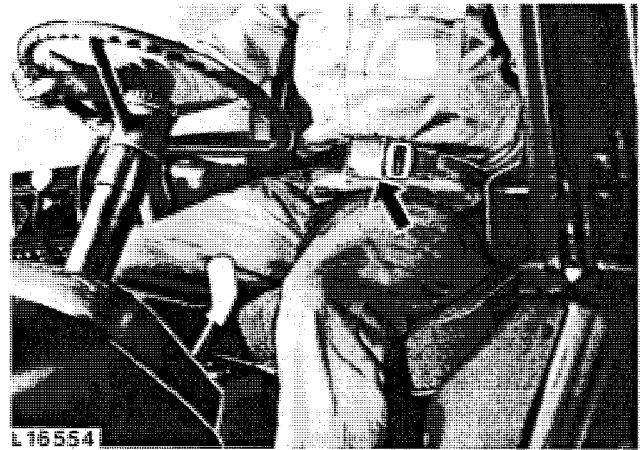
Adjusting lumbar support

A lumbar support mechanism is built into the backrest. You can choose from five different pressures against your back. For more pressure push the lumbar support control knob (C) down to a lower position.

SEAT BELT

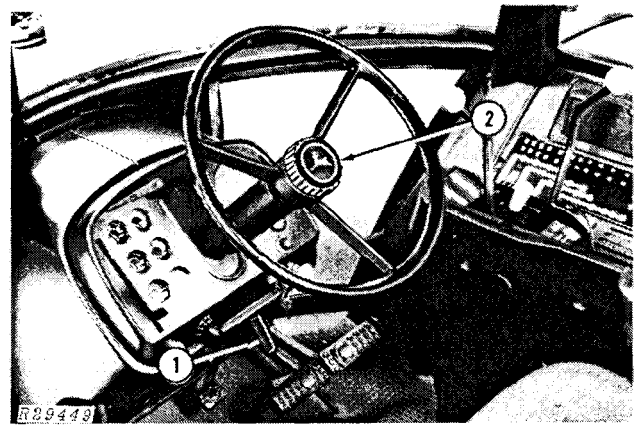


CAUTION: Always use the seat belt when driving the tractor.



ADJUSTING STEERING WHEEL

1. Lift tilt release lever and move steering column to desired angle.
2. Loosen steering wheel hub and extend or retract steering wheel as desired. Tighten hub.





Suggest:

If the above button click is invalid.

Please download this document first, and then click the above link to download the complete manual.

Thank you so much for reading



Break-In Period

During the first 100 hours of operation refer to the following chart:

ITEM	SERVICE	LUBRICANT/SPECIFICATION
After first 4 and 8 hours: Wheel retaining bolts*	Retighten, see page 59	Rear wheels (cast disks) Wheel disk to axle flange: 410 Nm (41 mkp; 300 ft-lb) Rim to wheel disk: 230 Nm (23 mkp; 170 ft-lb) Front wheels (including H.F.W.D.) 140 Nm (14 mkp; 100 ft-lb) Oil manifold to axle knuckle (motor housing) — H.F.W.D. 50 Nm (5 mkp; 35 ft-lb) Front axle adjusting bolts 500 Nm (50 mkp; 370 ft-lb)
After first 100 hours Front axle tie rod outer clamping bolts Front axle tie rod inner clamping bolts Engine crankcase Engine crankcase oil filter Transmission oil filter	Retighten, see page 46 Retighten, see page 47 Drain and refill, see page 103 Renew, see page 104 Renew, see pages 104 and 108	48 Nm (4.8 mkp; 35 ft-lb) 48 Nm (4.8 mkp; 35 ft-lb) John Deere Torq-GARD Supreme Oil or equivalent
During the first 100 hours:	1. Operate at normal loads. 2. Avoid light loads. 3. Avoid excessive engine idling. 4. Check engine crankcase oil level periodically. *5. Check wheel retaining bolts frequently.	
We recommend that you ask your JOHN DEERE dealer to carry out a general inspection of the tractor before the first 100 operating hours are completed.		

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