

2950 TRACTOR



JOHN DEERE

OPERATORS MANUAL

2950
TRACTOR

OML39652 F5 English

JOHN DEERE WERKE MANNHEIM
OML39652 F5

LITHO IN THE U.S.A.
ENGLISH





INSPECTIONS

We appreciate the confidence you have shown in John Deere and your John Deere dealer for the purchase of this equipment.

We want you to have the best performance from your new machine. To accomplish this, your dealer will perform a Predelivery Inspection and will familiarize you with the proper and safe operation of this machine.

After the machine has operated the first 100 hours, you should contact your dealer and arrange an appropriate date at which the After-Sale Inspection will be performed. It will be performed most effectively in the workshop of your dealer.

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 beyond specifications or otherwise overpowering machines will result in such action.

The tire manufacturer's warranty supplied with your machine may not apply outside the U.S.A. and Canada.

SAFETY



CAUTION: 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: This machine is designed and manufactured according to JOHN DEERE specifications. To avoid accidents and to assure optimum performance the machine must not be modified or altered in ways not approved by JOHN DEERE, nor must it be used in conditions or for purposes it is not designed for.

To assure safe operation of this machine, read the Safety Rules on the first pages of this manual.

MEASUREMENTS

Your operator's manual contains the international standardized SI metric measurement system.

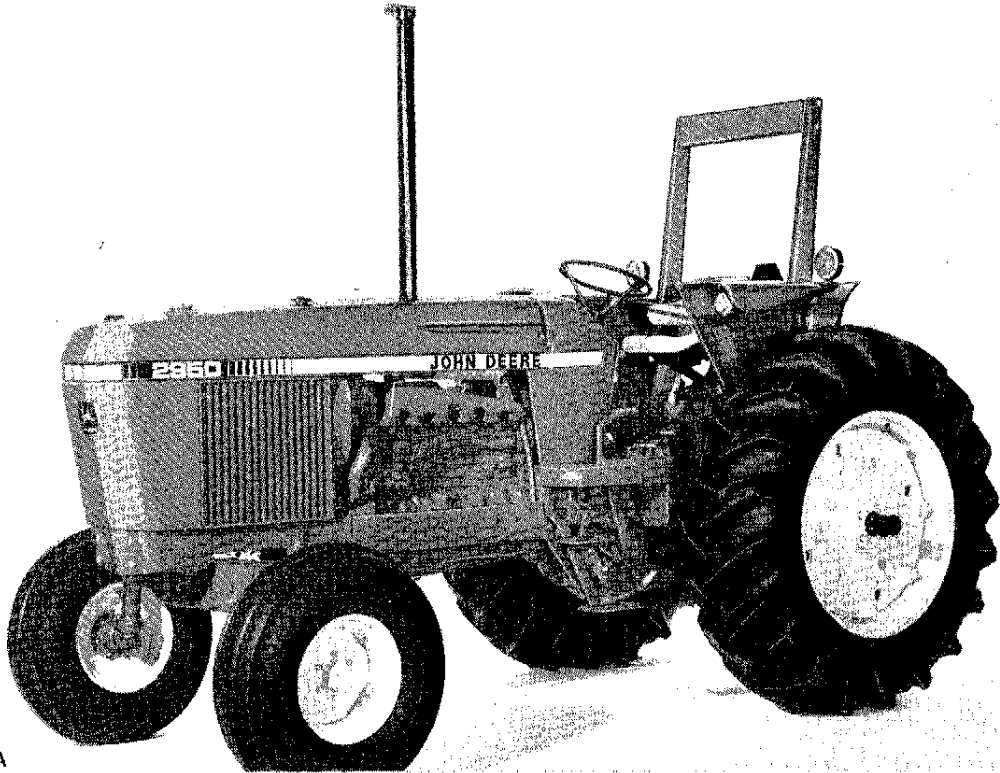
DIRECTION

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

PRODUCT IDENTIFICATION NUMBERS

Record the identification number(s) in the spaces provided following Specifications. Accurately record all of the characters because (should the product be stolen) tracing is sometimes through a computer match of letters and numbers. Also, your dealer needs this information when ordering parts. If you carry your operators manual on the machine for reference, be sure to also record the identification number(s) on a separate sheet of paper in a secure place not on the machine so you will still have a record in case the machine is stolen.

Identification Views



L35 303A



L35139A

L35303A,L35139A-2950ALE-050484

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

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Safety

READ SAFETY SIGNS

Carefully read and follow all CAUTION, WARNING, and DANGER safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

The sign shown here is located at the left hand fender (tractor without SOUND-GARD body). On tractors with SOUND-GARD body a similar sign is affixed to front, right-hand corner post.



CAUTION


1. Before operating this tractor, read the Operator's Manual for complete instructions and safety information.
2. Keep all shields in place.
3. Hitch towed loads only to drawbar to avoid rearward upset.
4. Make certain everyone is clear of machine before starting engine or operation.
5. Keep all riders off tractor and equipment.
6. Keep hands, feet and clothing away from power-driven parts.
7. Reduce speed when turning or applying individual brakes or operating around hazards, on rough ground or steep slopes.
8. Couple brake pedals together for road travel.
9. Use flashing warning lights on highway unless prohibited by law.
10. Stop engine, lower implement to ground and shift to "PARK" or set brake(s) securely before dismounting. Wait for all movement to stop before servicing machinery.
11. Remove key if leaving tractor unattended.

L110 241

L110241-2950ALE-150585

SAFETY SIGN "TRACTOR RUNAWAY"

This sign is located near the starting motor.



WARNING

Avoid possible injury or death from a machine runaway.


1. Do not start engine by shorting across starter terminals. Machine will start in gear and move if normal starting circuitry is bypassed.
2. Start engine only from operator's seat with transmission in neutral or park. NEVER start engine while standing on ground.

L110 242

L110242-2950ALE-150585

SAFETY SIGN "ROLL-GARD"

This sign is located on the left hand post.



CAUTION


Use of seat belt with this Roll-Gard is recommended for almost all operating conditions.

L110243

L110243-2950ALE-150585

SAFETY SIGN "PTO"

This sign is located at the PTO master shield.



WARNING

TO AVOID BODILY INJURY:

1. Keep PTO master shield and all power drive system safety shields in place. Also install PTO shaft guard when the system is not in use.
2. When operating PTO driven implements, install drawbar in the down position if offset, and use the following drawbar instructions:

PTO Shaft	PTO Shaft End to Hitch Pin Hole
540 rpm - 6 spline	14.00 in. (356 mm)
1000 rpm - 21 spline	16.00 in. (407 mm)
*1000 rpm - 20 spline	20.00 in. (508 mm)
	*1.75 in. (44.5 mm) dia. shaft

L110244

L110244-2950ALE-150585

SAFETY SIGN "BATTERY"

This sign is located on top of batteries.

⚠ DANGER! POISON!
Explosive Gases Causes Severe Burns

Contains sulfuric acid. Avoid contact with skin, eyes or clothing. Antidote: **External**—Flush with water. **Internal**—Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or vegetable oil. Call a physician immediately. **Eyes**—Flush with water for 15 minutes and get prompt medical attention. Cigarettes, flames or sparks could cause battery to explode. Always shield eyes and face from battery. Do not charge or use booster cables or adjust post connections without proper instruction and training. Ventilate when charging or using in enclosed space. **Keep vent caps tight and level. Keep out of reach of children.**

L110 245

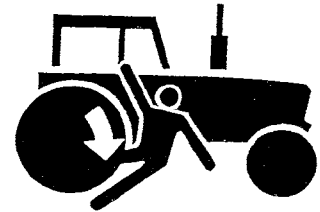
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PREVENT TRACTOR RUNAWAY

Avoid possible injury or death from a machine runaway.

Do not start engine by shorting across starting motor terminals. Machine will start in gear if normal starting circuitry is bypassed.

NEVER start engine while standing on the ground. Start engine only from operator's seat with transmission in neutral.



L110 247

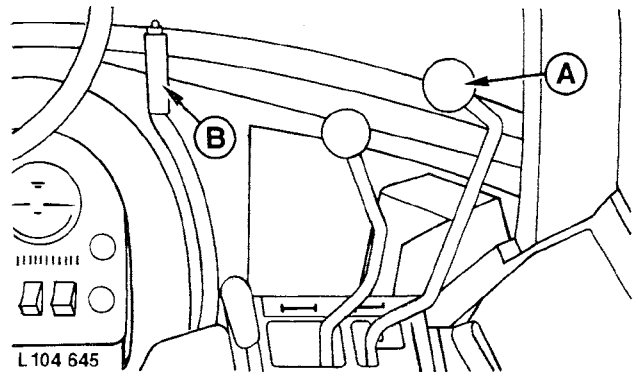
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STAY CLEAR OF MOVING TRACTOR

Be sure everyone is clear of tractor and attached equipment before starting engine. Some movement may occur as engine starts.

Never try to get on or off a moving tractor.

Before dismounting, place the transmission in neutral (A), apply hand brake (B) and lower implements to the ground. If tractor is to be left unattended, stop the engine and remove the key.



L 104 645

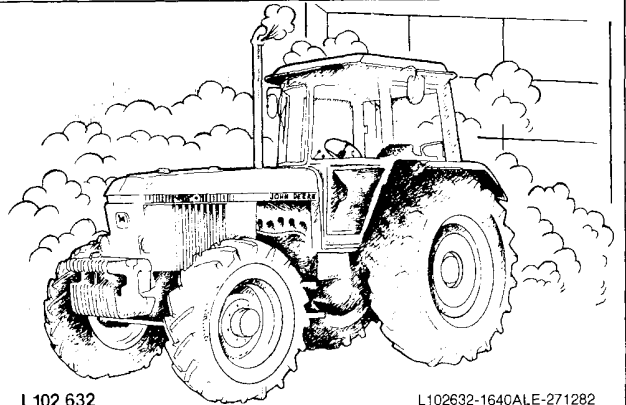
Never attempt to start or operate tractor except from operator's station.

L104645-2350ALE-091183

OPERATING THE ENGINE

Before starting the engine make sure there is plenty of ventilation. Never operate the engine in a closed building. Danger of asphyxiation!

When starting the engine, rockshaft control lever must be in "lower" position.



L 102 632

L102632-1640ALE-271282

OPERATE TRACTOR SAFELY

Slow down for hillsides, rough ground, and sharp turns.

Couple the brake pedals together before driving at transport speeds.

When implements or attachments are used with the tractor, always follow safety precautions listed in implement operator's manual or operating instructions. When raising a heavy object with a loader, be sure the object is secure from falling. It could fall on and seriously injure a bystander or the operator.

Keep all shields in place.

Always apply hand brake before dismounting. Leaving transmission in gear with engine stopped will NOT prevent tractor from moving.

OPEOM-2950ALE-150585

AVOID TIP-OVERS

Avoid holes, ditches, and obstructions which may cause the tractor to tip – especially on hillsides.

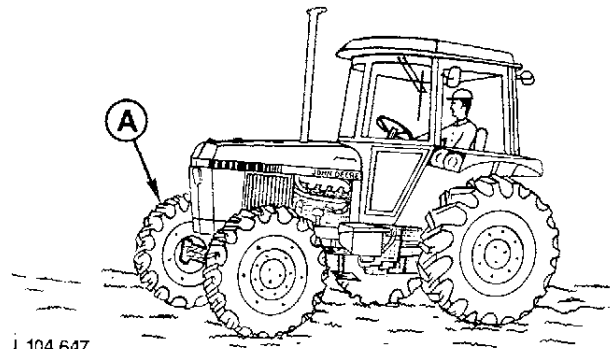
Front-wheel drive (A) greatly increases traction. When this option is used, extra caution is needed on slopes. Compared to 2-wheel drive, a front-wheel drive tractor maintains traction on steeper slopes, increasing the possibility of a tip over.

Never drive near the edge of a gully or steep embankment – it might cave in.

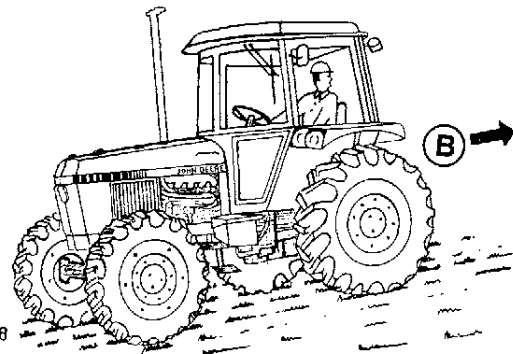
Driving forward out of a ditch or mired condition or up a steep slope could cause tractor to tip over rearward. Back out of these situations if possible (B).

Be especially careful when using single wheels. Danger of overturn increases greatly with narrow 1.50 m (60 in.) tread at high speed.

Hitch towed loads only to drawbar. When using a chain, take up the slack slowly.



L 104 647



L 104 648

L104647,L104648-2350ALE-091183

BALLAST TRACTOR CORRECTLY

Steering and braking performance of the tractor can be considerably affected by attaching implements. To maintain the necessary tractor ground contact, ballast tractor as necessary.

Braking performance: On tractors equipped with a front loader, ballast rear end of tractor (rear wheel weights, filling rear tires with liquid ballast or attaching a rear mounted implement).

When driving the tractor with front loader installed and without rear implement, never drive tractor faster than 20 km/h (12.5 mph).

Steering performance: On tractors equipped with heavy rear-mounted implement, install sufficient front ballast (front weights).

BALOM-2950ALE-150585

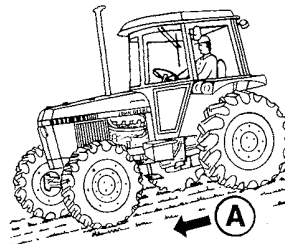
TRANSPORT TRACTOR SAFELY

Before descending a steep hill (A), shift to a low gear (B) to control the tractor with little or no braking. Never coast downhill.

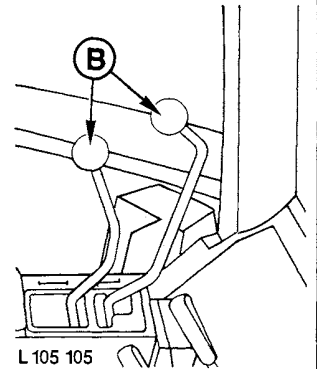
When transporting downhill on icy or graveled grades, be alert for skids which could result in loss of steering control. To decrease chance of skids, reduce speed and be sure tractor is properly ballasted. Engage front-wheel drive for four wheel braking.

Additional ballast may be needed for transporting heavy integral implements. When implement is raised, drive slowly over rough ground, regardless of how much ballast is used.

Never tow tractor faster than 8 km/h (5 mph). Before towing tractor, see instructions in "Transporting" section.



L 104 649

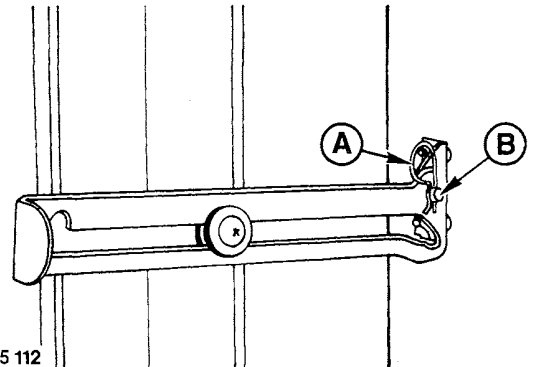


L 105 105

L104649,L105105-2350ALE-091183

EMERGENCY EXIT

For an emergency exit, SOUND-GARD® body windows can be opened. Remove the Quick-Lock pins (A) and headed pins (B) from window latches, and push window wide open.



L 105 112

L105112-2350ALE-091183

KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on a machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.

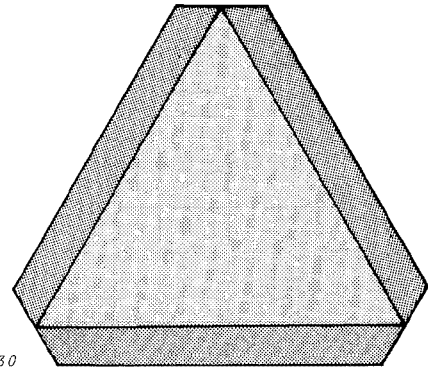


L110 229

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SAFETY ON PUBLIC ROADS

Always comply with local traffic regulations when driving on public roads.



H28930

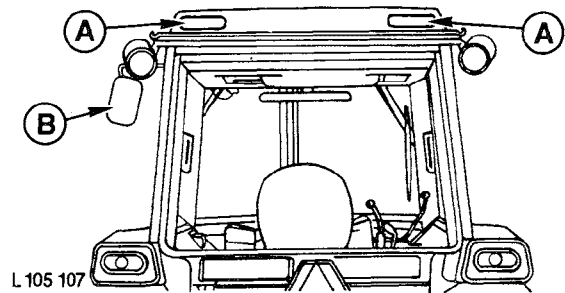
H28930-2950ALE-150585

MAKE TRACTOR VISIBLE ON HIGHWAY

Turn light switch to "H" position. Never use white lights which are visible from the rear. Always dim headlights before meeting another vehicle. Keep headlights properly adjusted.

Add reflectors, and auxiliary lighting to equipment as required for safety and by local regulations.

Before operating tractor on highway, be sure flashing warning lamps (A) work properly. Adjust rear view mirror (B), and clean windows.

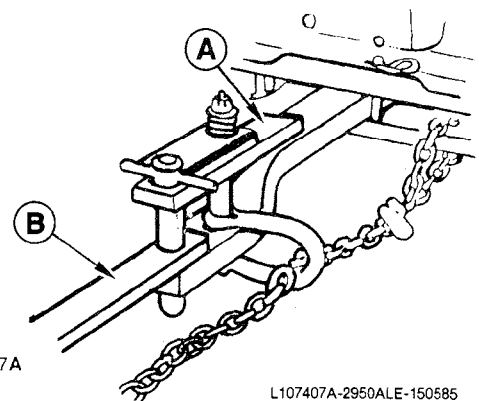


L 105 107

L105107-2950ALE-150585

USE A SAFETY CHAIN

A safety chain will help control drawn equipment (B) should it accidentally separate from the drawbar (A) while transporting. Using the appropriate adapter parts, attach chain to tractor drawbar support or other specified anchor location. Provide only enough slack in the chain to permit turning. See your JOHN DEERE dealer for a chain with a strength rating equal to or greater than the gross weight of the towed machine.



L107407A

L107407A-2950ALE-150585

TOW EQUIPMENT PROPERLY

Use caution when towing loads at transport speeds. Reduce speed if towed load weighs more than the tractor and is not equipped with brakes. Avoid hard braking applications. Consult implement operator's manual for recommended transport speeds.

Use additional caution when transporting towed loads under adverse surface conditions, when turning or on inclines.

Safety-2950ALE-020884

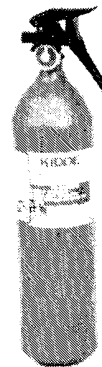
AVOID EXPLOSIONS OR FIRE

Batteries produce explosive gas. Before using booster batteries, read the instructions listed under "Using a Booster Battery", in Operating the Engine section.

To avoid sparks, turn the charger off before connecting or disconnecting a battery charger.

Be careful with starting fluid or any type of fuel. Do not refuel the tractor when the engine is hot or running. Never smoke while handling fuel.

A fire extinguisher can be mounted on your tractor. It is available from your JOHN DEERE dealer. Be sure to read the owners manual packaged with the extinguisher for operation and service instructions.

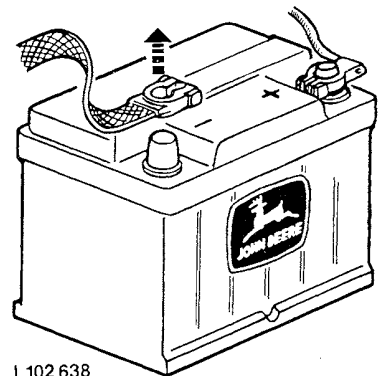


RW5985,RW2389-2350ALE-091183

DISCONNECTING ELECTRICAL CIRCUIT

Disconnect battery ground strap before carrying out any electrical repairs on the tractor.

Keep all sparks and flames away from batteries, as gas given off by electrolyte is explosive. To avoid sparks, connect ground cable (A) last and disconnect it first. When using a booster battery, follow instructions in "Operating the Engine" section.



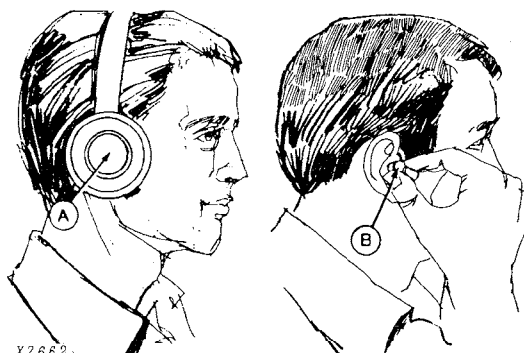
L102 638

L102638-2350ALE-091183

NOISE PROTECTION

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



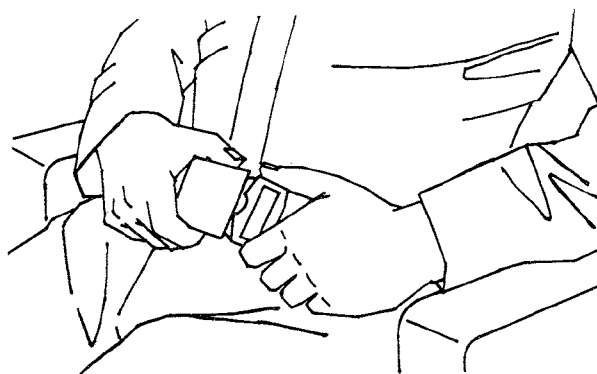
X7662

X7662-1065AZE-262081

USE SEAT BELT PROPERLY

Use a seat belt when you operate with a roll-over protective structure (ROPS) to minimize chance of injury from an accident such as an overturn.

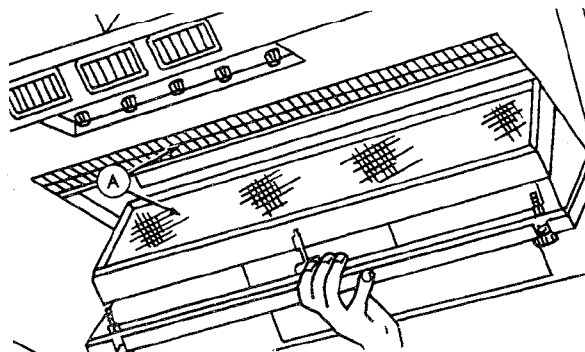
Do not use a seat belt if operating without a ROPS.



RW4419-2950ALE-150585

HANDLE CHEMICALS PROPERLY

SOUND-GARD body air filters (A) are not designed to filter out harmful chemicals. Follow instructions given in implement operator's manual and those given by the chemical manufacturer when using agricultural chemicals.



RW5704L-2350ALE-091183

STAY CLEAR OF PTO

Stop the engine and be sure the PTO drive line (A) has stopped before:

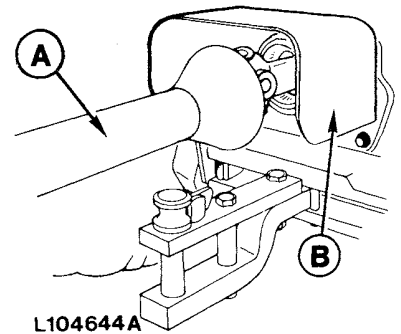
- Connecting or disconnect implement drive line
- Making adjustments on the implement
- Cleaning out PTO driven equipment

PTO master shield (B) and drive lines should be in place at all times except for special applications as directed in the implement operator's manual.

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

Operate PTO at recommended speed.

Avoid loose-fitting or dangling clothing.



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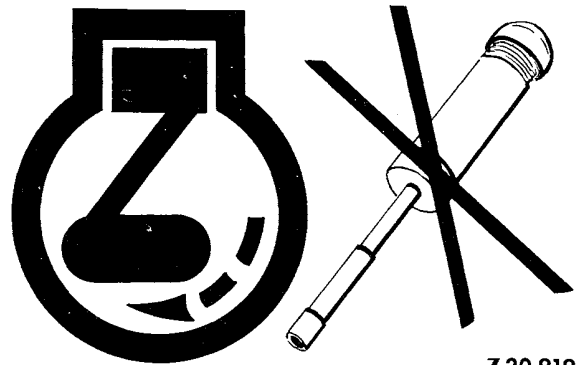
SERVICE TRACTOR SAFELY

Do not service the tractor while it is in motion or while engine is running.

Disconnect battery ground cable before working on electrical system or working in any area where you might accidentally contact electrical components.

Reinstall all shields and guards removed for servicing and make sure they are in good condition.

Have adjustments carried out by trained personnel only.

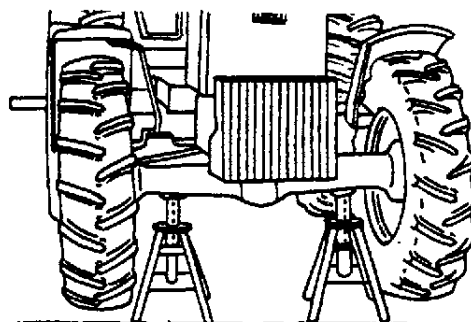


Z 20 919

Z20919-2950ALE-150585

SERVICE FRONT-WHEEL DRIVE TRACTOR SAFELY

When servicing front-wheel drive tractor with rear wheels supported off ground and rotating wheels by engine power, always support front wheels in a similar manner. Loss of electrical power or transmission-hydraulic system pressure will engage front driving wheels, pulling rear wheels off support if front wheels are not raised. Under these conditions, the front-drive wheels can engage even with switch in disengaged position.



L 104 643

L104643-2950ALE-150585

SERVICE COOLING SYSTEM SAFELY

Do not remove radiator cap (A) when engine is hot. Shut the engine off and wait until it cools. Then turn the cap slowly to the first stop to relieve pressure before removing it completely.



L 105 108

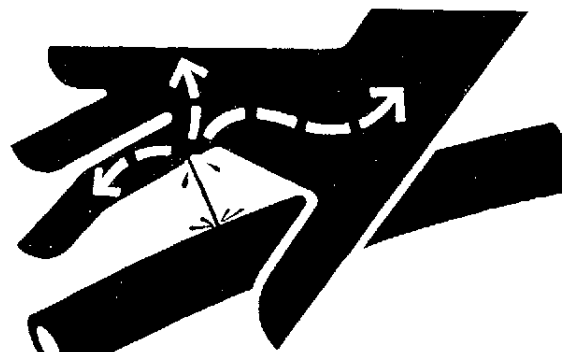
L105108-2350ALE-C91783

AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pin holes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks. Do not use your hand.

If any fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type of injury or gangrene may result.

The air conditioning system is pressurized. Improper servicing may cause refrigerant to penetrate eyes and skin or cause burns. Special equipment and procedures are required to service air conditioning system. (See your JOHN DEERE dealer).



L 102 134

L102134-2350ALE-091783

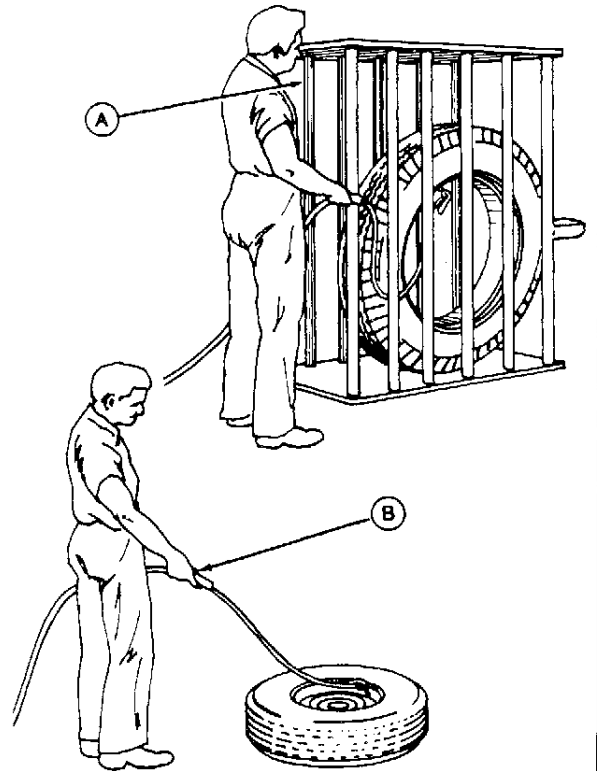
SERVICE TIRES SAFELY

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your JOHN DEERE dealer or a qualified repair service.

When sealing tire beads on rims, never exceed 240 kPa (2.4 bar; 35 psi) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when maximum recommended pressure is reached, deflate, reposition tire, relubricate bead and reinflate.

Detailed agricultural tire mounting instructions, including necessary safety precautions, are contained in JOHN DEERE Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your JOHN DEERE dealer. Such information is also available from your local tire manufacturer agents.

- A—Use a safety cage if available
- B—Do not stand over tire. Use a clip-on chuck and extension hose

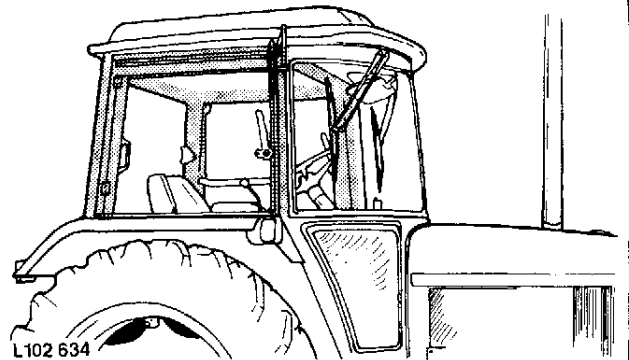


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DO NOT MODIFY TRACTOR

Unauthorized modification to the machine may impair the function and/or safety and effect machine life.

Never modify structural members of SOUND-GARD body or ROLL-GARD protective frame by welding, bending, drilling or cutting as this might weaken the structure. If any structural member is damaged, replace the entire structure. Do not attempt repairs.

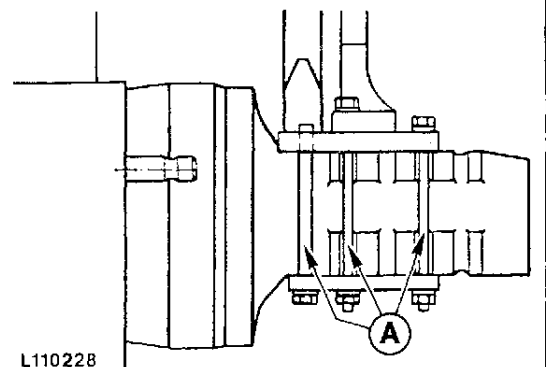


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KEEP ROPS INSTALLED PROPERLY

Make certain all parts are reinstalled correctly if the roll-over protective structure (ROPS) is loosened or removed for any reason. Tighten mounting bolts (A) to proper torque.

The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered. A damaged ROPS should be replaced, not reused.



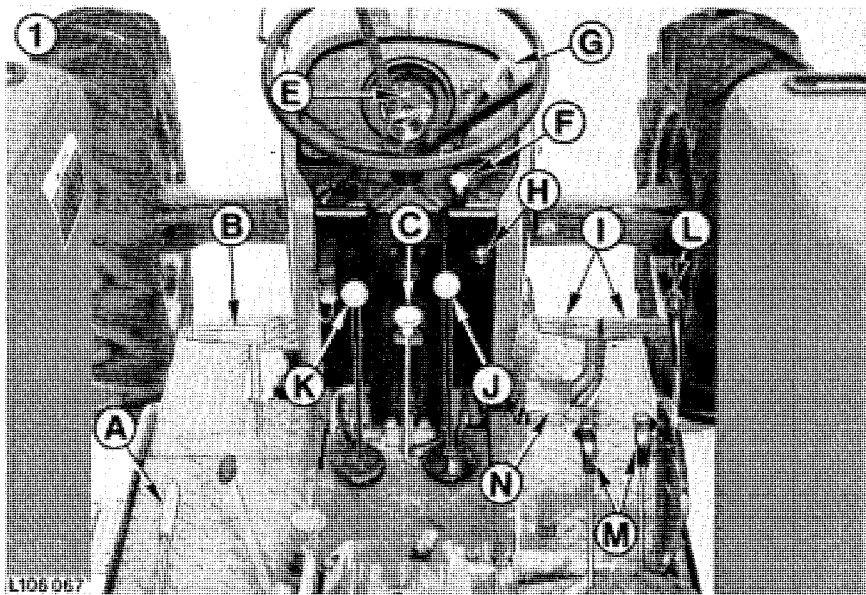
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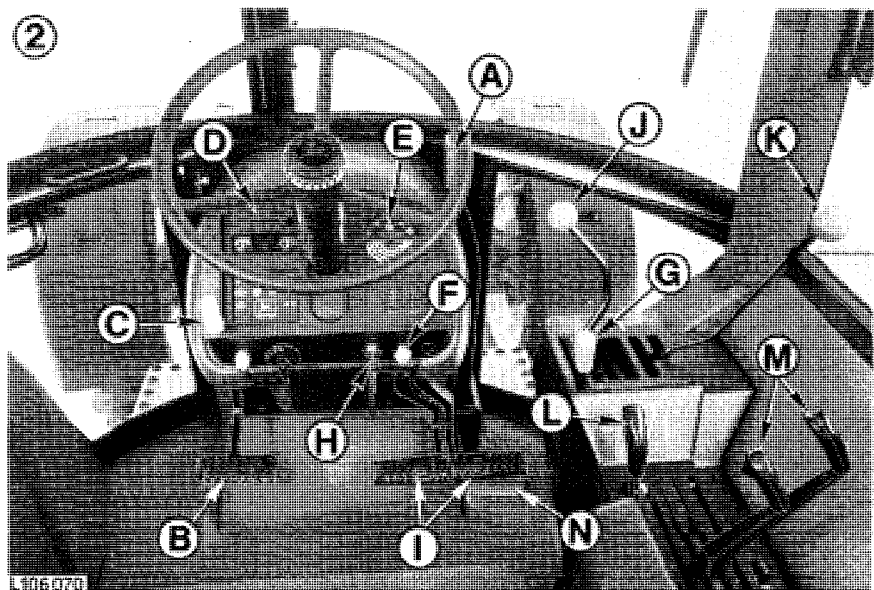
Controls and Instruments

- A-Hand brake
- B-Clutch pedal
- C-PTO control lever
- D-Turn signal switch
- E-Speed-hour meter
- F-Engine shut-off knob
- G-Hand throttle lever
- H-Key switch
- I-Brake pedals
- J-Gear shift lever
- K-Range shift lever
- L-Rockshaft control lever
- M-Selective control valve lever
- N-Foot throttle

1-Tractor without SOUND-GARD Body

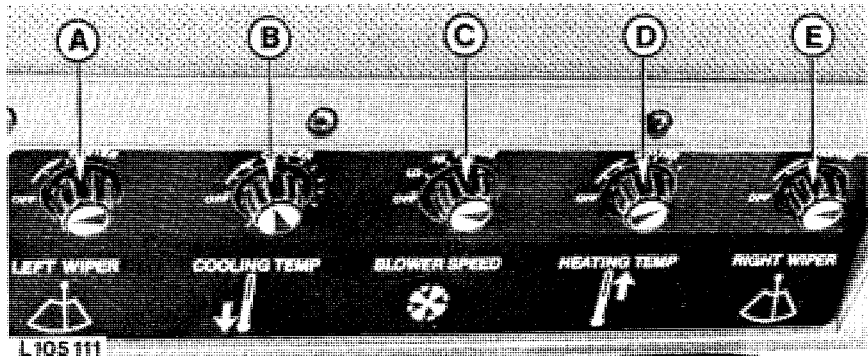


2-Tractor with SOUND-GARD Body



L106067,L106070-2950ALE-000000

- A-Windshield wiper switch, left-hand
- B-Air conditioning switch
- C-Fan switch
- D-Heater switch
- E-Windshield wiper switch, right-hand



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Suggest:

If the above button click is invalid.

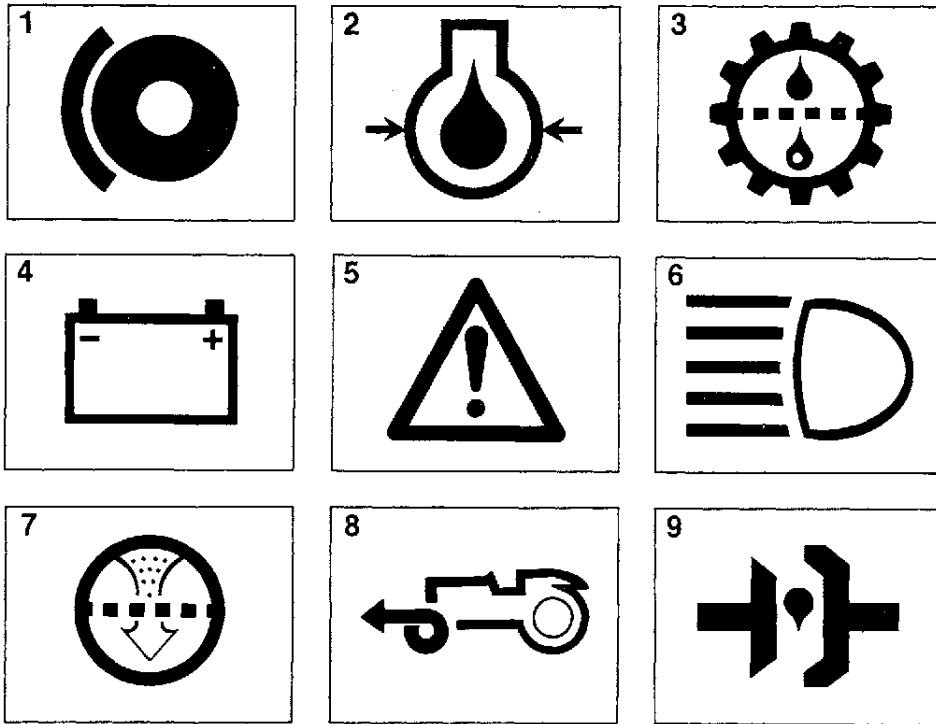
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first, and then click the above link

to download the complete manual.

Thank you so much for reading

CONTROL LIGHTS



L102 775

1—The hand brake indicator light glows when hand brake is applied and key switch is turned on. Hand brake warning horn will sound if hand brake is applied and transmission engaged.

2—If engine oil pressure indicator light glows with engine running, shut-off engine and check oil level.

3—If transmission oil pressure indicator light glows during tractor operation, stop tractor and check transmission/hydraulic oil level. Should indicator light glow and oil level is correct, then oil filter is clogged. Replace filter.

4—If alternator indicator light glows with engine running, check electrical connections and tension of V-belt. If necessary, have alternator checked by your JOHN DEERE dealer.

5—The warning light blinks when indicator lights 2, 3 or 4 glow or when the range shift lever is moved with the hand brake applied.

6—The high-beam indicator light glows when the headlights are switched to high-beam.

7—If air cleaner indicator light glows with engine running, the air cleaner element must be cleaned or replaced.

8—The front-wheel drive indicator light glows when the front-wheel drive is engaged.

9—If indicator light glows, add brake fluid to clutch reservoir.

NOTE: Indicator lights 2, 3, 4 and 7 should glow as soon as key switch is turned on. If light fails to glow, check for defective bulb.

The indicator lights should go out as soon as the engine is running.

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The full manual is available for immediate download.

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