



3150 Tractor



JOHN DEERE

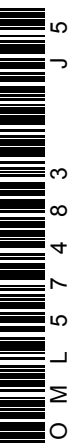
OPERATORS MANUAL

3150 Tractor

OML57483 J5 English

John Deere Werke Mannheim
OML57483 J5

LITHO IN U.S.A.
ENGLISH



Identification View



L112 004

L112004-3150ALE-200985

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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 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

L110241-3150ALE-010785

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 "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

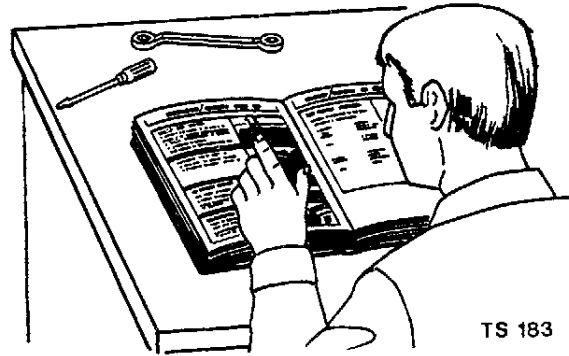
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LEARN MACHINE SAFETY

Carefully read this manual. Learn how to operate the machine and how to use the controls properly.

Do not let anyone operate this machine without proper instruction.

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



TS 183

AB6-TS183 053-READ2 080785

LEARN SAFETY SIGNAL WORDS

Signal words CAUTION, WARNING, and DANGER are used with the safety-alert symbol to draw attention to potentially unsafe areas. Learn these signal words.

CAUTION is used with all safety messages in this manual and is used on the machine to identify some of the less serious hazards.

WARNING is used on the machine to let the operator know that a greater risk is involved for a specific potential hazard.

DANGER is used on the machine to mean that one of the most serious potential hazards is present. Unsafe operating techniques or bad work habits in this area could lead to personal injury or death.

Red and white are colors used with the word danger. Black and yellow are found on signs carrying the words caution, be careful, or warning.



T 81389

AB6-T81389 053-SIGNAL 220785

PREVENT TRACTOR RUNAWAY

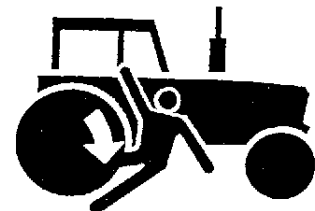
Avoid possible injury or death from a machine runaway.

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.



L110247



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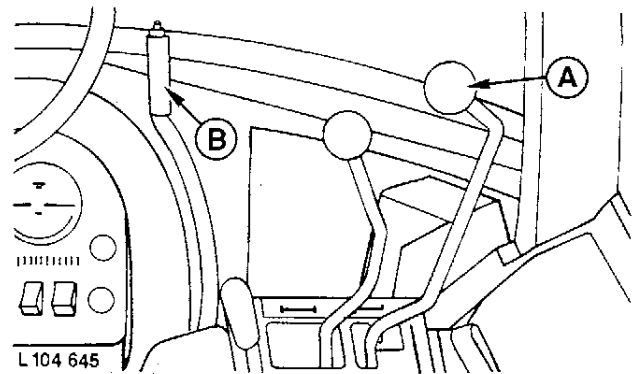
STAY CLEAR OF MOVING TRACTOR

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.

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

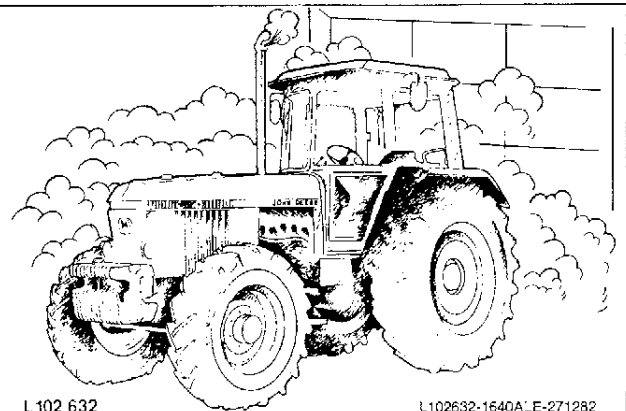


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OPERATING THE ENGINE

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.



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

USE CAUTION ON HILLSIDES

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

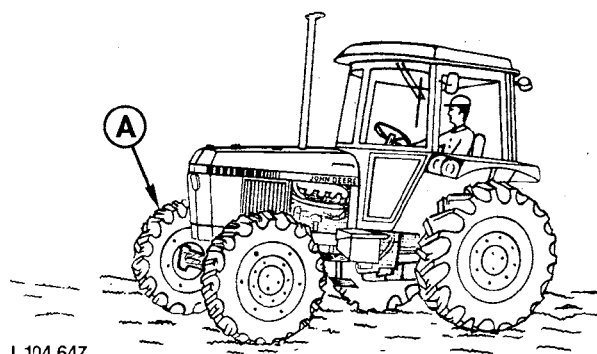
Front-wheel drive (A) greatly increases traction. When this option is used, extra caution is needed on slopes. Compared to 2-wheel drive, a front-wheel drive tractor maintains traction on steeper slopes, increasing the possibility of a tip over.

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-180985

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).

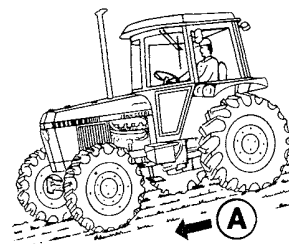
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SHIFT TO LOW GEAR ON HILLS

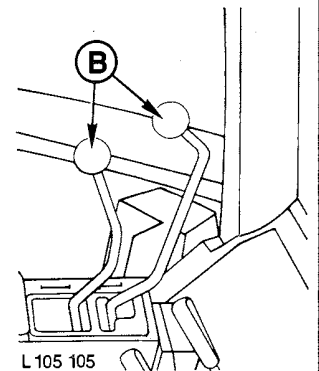
Before descending a steep hill (A), shift to a low gear (B) to control the tractor with little or no braking. Never coast downhill.

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.



L 104 649

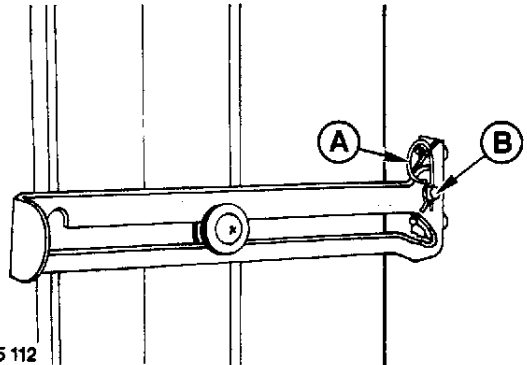


L 105 105

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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.

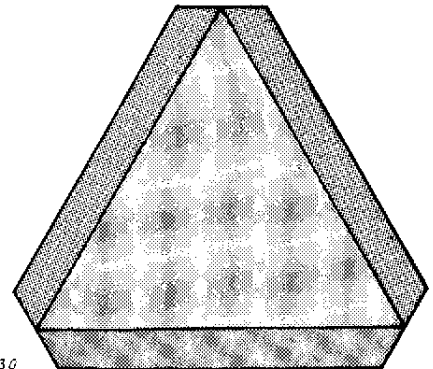


L110 229

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SAFETY ON PUBLIC ROADS

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



H28930

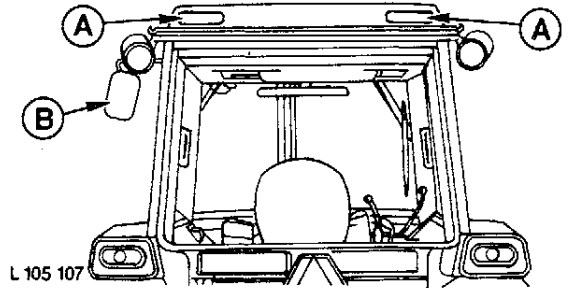
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MAKE TRACTOR VISIBLE ON HIGHWAY

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.

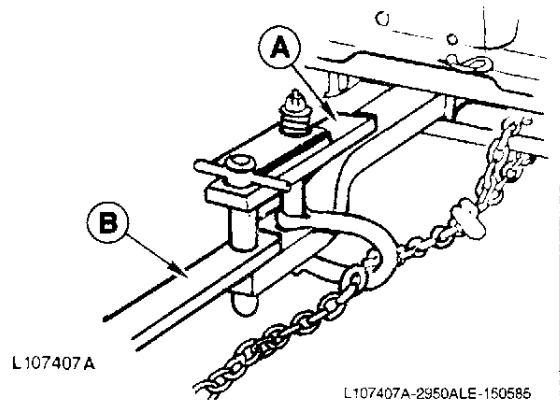
Before operating tractor on highway, be sure flashing warning lamps (A) work properly. Adjust rear view mirror (B), and clean windows.



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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.



HANDLE FUEL SAFELY – AVOID FIRES

Handle fuel with care: it is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks.

Always stop engine before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease, and debris. Always clean up spilled fuel.



TS 185

AB6-TS185 063-FIRE1 240785

PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguishers handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



TS 186

AB6-TS186 053-FIRE2 080785

HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. To prevent accidental discharge when storing the pressurized can, keep the cap on the container, and store in a cool, protected location.

Do not incinerate or puncture a starting fluid container.



TS 6089 A

AB6-T6089A U 053-FIRE3 080785

TRANSPORT TRACTOR SAFELY

The best method for transporting a disabled tractor is to haul it on a flatbed carrier.

If towing a tractor, never tow faster than 10 mph (15 km/h). Have an operator steer and brake tractor.

U01-HAUL IT 090585

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.

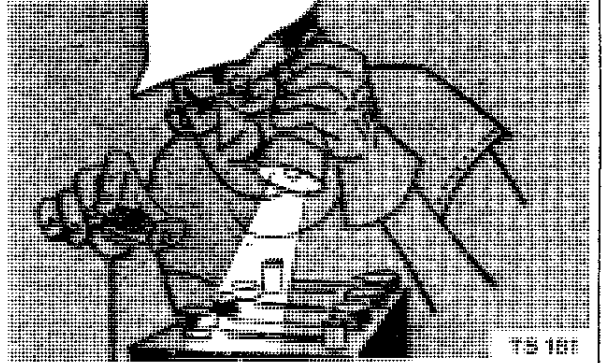
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PREVENT BATTERY EXPLOSIONS

Battery gas can explode. Keep sparks and flames away from batteries. Use a flashlight to check battery electrolyte level.

Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.

Always remove grounded (-) battery clamp first and replace it last.



AB6-TS181 053-EXPLO 180485

AVOID ACID BURNS

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

Avoid the hazard by:

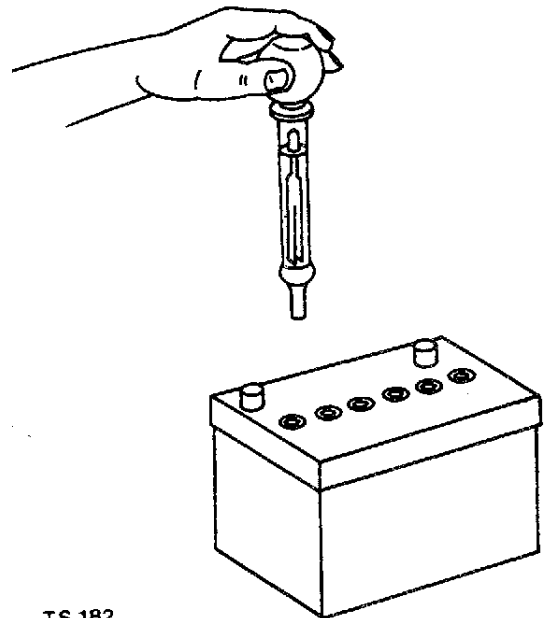
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.

If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 10-15 minutes. Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs, or vegetable oil.
3. Get medical attention immediately.



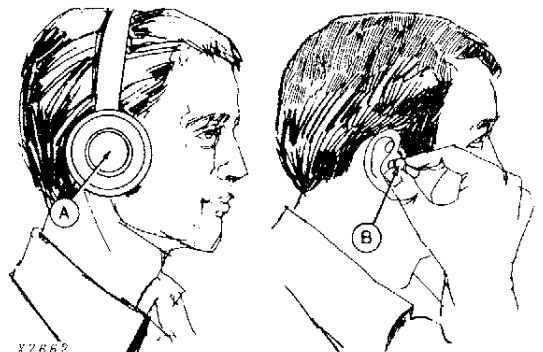
TS 182

AB6-TS182 053-ACID 180485

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.



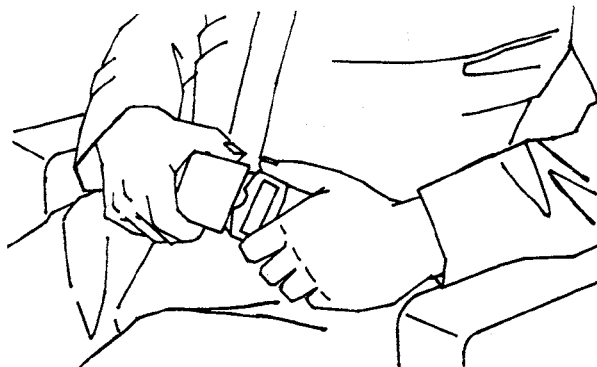
X7662

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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.

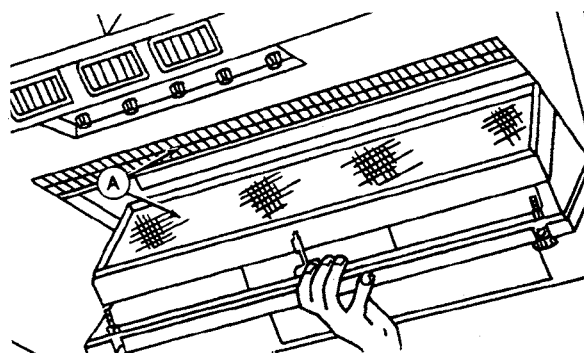
Do not use a seat belt if operating without a ROPS.



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HANDLE CHEMICALS PROPERLY

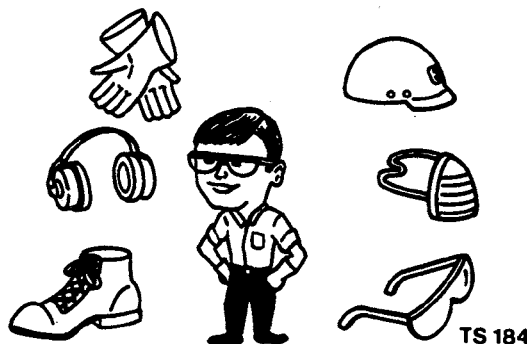
SOUND-GARD body air filters (A) are not designed to filter out harmful chemicals. Follow instructions given in implement operator's manual and those given by the chemical manufacturer when using agricultural chemicals.



RW5704L-2350ALE-091183

WEAR PROTECTIVE CLOTHING

Wear fairly tight clothing..... and safety equipment.



AB6-TS184 053-WEAR2 080785

STAY CLEAR OF PTO

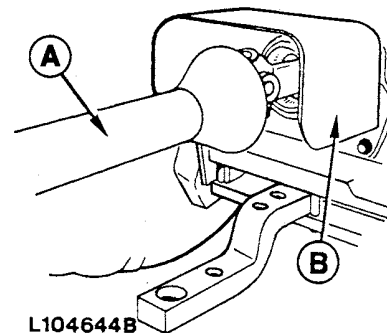
Stop the engine and be sure the PTO drive line (A) has stopped before:

- 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.

Operate PTO at recommended speed.

Avoid loose-fitting or dangling clothing.



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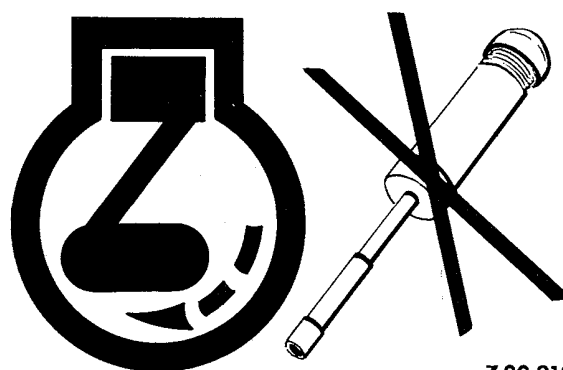
SERVICE TRACTOR SAFELY

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

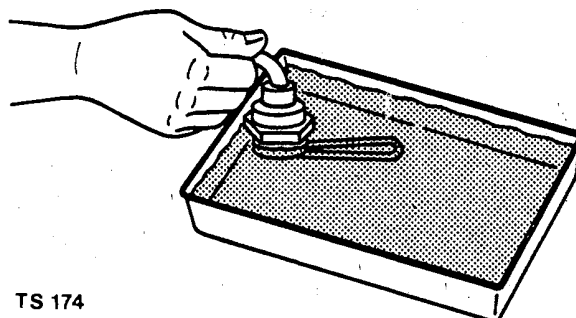
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Safety

TEST COOLANT HEATER IN LIQUID ONLY

Do not plug coolant heater into electrical power unless heating element is immersed in coolant. Sheath could burst and result in personal injury.

Use a heavy-duty grounded cord to connect coolant heater to electrical power.

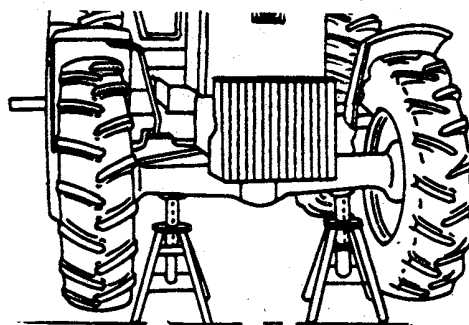


TS 174

AB6-TS174 053-HEAT 110584

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.

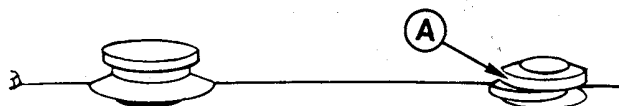


L 104 643

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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

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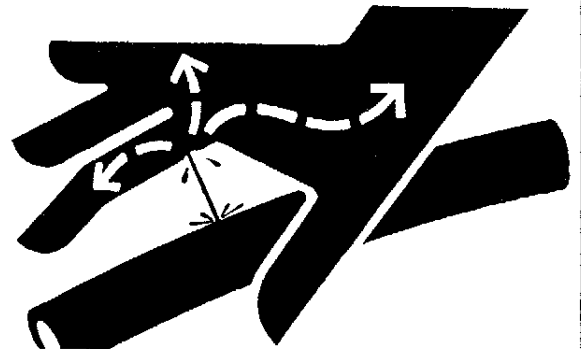
Thank you so much for reading

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).



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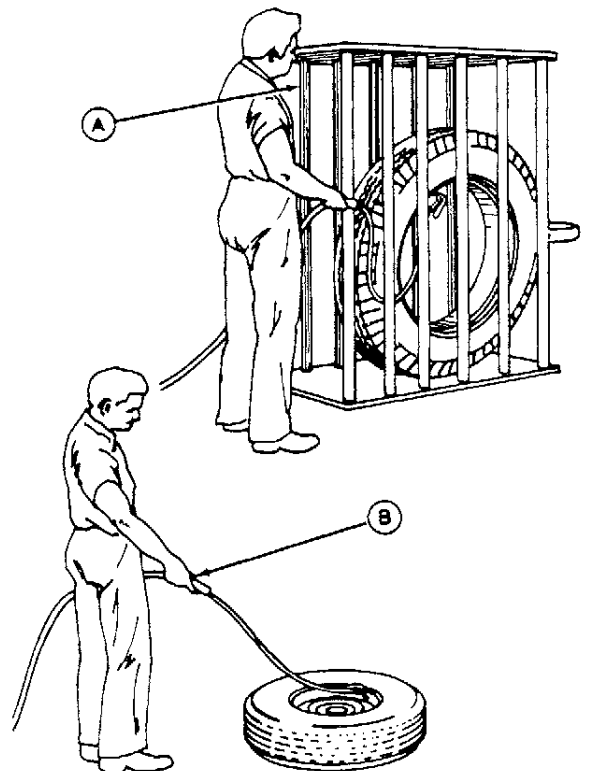
SERVICE TIRES SAFELY

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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