Tractors 6405 and 6605 Repair

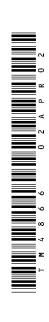


TECHNICAL MANUAL Tractors 6405 and 6605 Repair

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John Deere Brasil

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All information, illustrations and specifications in this manual are based on

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Section 05 Safety

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Acknowledge the safety Information

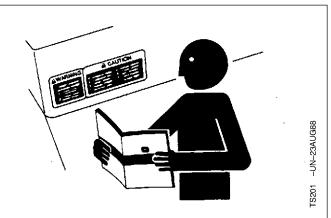
This is the Safety prevention symbol. When you see this on your machine or in this publication, always be aware of the risk of injury or accidents related to operating the equipment.



Observe the Safety Messages

Read the safety information in this publication and on your tractor carefully. Maintain the corresponding decals in good condition. Replace worn or missing decals. Get to know the operation of your Tractor and its Controls.

Always keep your tractor in good working condition. Any unauthorized modification to the tractor could result in reduced performance and/or safety, in addition to reducing its working life.



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Replace the Safety Stickers

Replace worn or missing stickers. Refer to the Operation Manual for their correct positions.



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Safe Handling of Liquids and fuels

Handle fuels with caution as they are highly flammable. Do not smoke while refueling nor get near flames or sparks.

Turn the engine off before refueling. Refuel in an appropriate place and clean up any fuel that may have spilt. Do not puncture or incinerate any pressurized containers.

Do not store oil impregnated rags. They could spontaneously ignite.



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Avoiding the Explosion of Battery Gasses

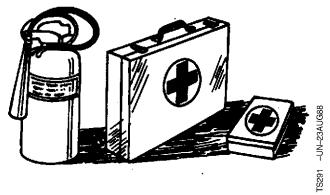
The gas released from the battery when opened or damaged is explosive. Always store them in a safe place far from any area where flames or sparks may occur.

Never test the battery charge by putting a metallic object across the terminals. Use a high discharge voltmeter or a densimeter.



Be Prepared in Case of Emergency

Be Prepared in Case of Emergency Have a first aid kit and a fire extinguisher close at hand.



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Remove the Paint Before Welding or Applying Heat.

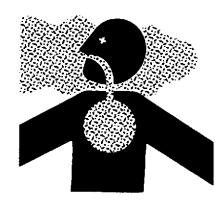
Avoid the inhalation of gasses and dust as they are potentially toxic.

Noxious gasses can be generated due to paint heating up while welding, either arc or oxyacetylene.

Carry out all work outdoors or in a well ventilated area. Store paint and solvent in an appropriate place.

Remove the Paint Before Applying Heat.

- When using a sand blaster or sander, avoid the inhalation of dust.
- If solvent has been used, clean the surface to be welded with soap and water before welding. Remove all solvent containers and any remaining inflammable materials. Ventilate the work area for 15 minutes before welding or applying heat.

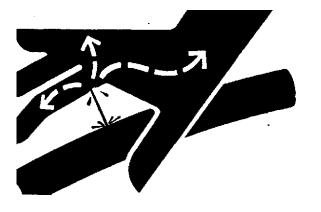


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Leaks in High Pressure Lines

Fluids under pressure that vent from the hydraulic system can have sufficient pressure to penetrate the skin causing serious injury. Therefore, it is essential to evacuate the pressure from the system before loosening or disconnecting any lines and to make sure that all connections and adapters are well tightened before pressurizing the system. Keep the body and hands clear of any high pressure leaks. It is difficult to find an hydraulic fluid leak if the hole is small. Use a piece of cardboard.

If, in spite of this precaution, the escaping high pressure fluid penetrates the skin, seek medical help immediately as theses injuries can cause serious infection.



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Safe Maintenance of the Radiator

Danger of burns!

With the engine turned off, loosen the expansion tank cap to the first stage to release the pressure before removing it completely.

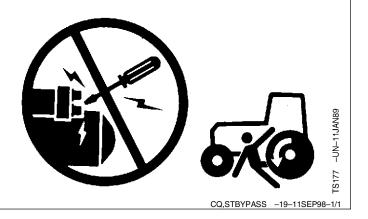


Avoid accidentally starting the machine.

Avoid possible accidents or death by accidentally starting the machine.

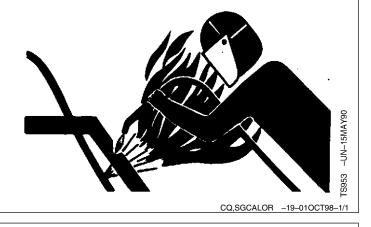
Do not start the machine by short circuiting the terminals.

NEVER start the engine while standing beside the machine. Start the engine only from the operator seat and with the transmission in neutral or park.



Avoid applying heat near the pressurized fluid lines

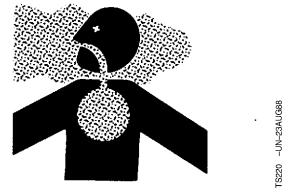
Exposed flames close to the pressurized fluid lines can cause a flammable cloud of steam to develop, which, if ignited, can cause serious burns to anyone close by. Avoid applying heat with either arc or oxyacetylene near the pressurized fluid lines or any other line containing inflammable fluid. The lines can be accidentally cut by excessive heat given off by the welding torch.



Work in a well ventilated area

The ingestion of exhaust fumes can cause damage or death. If it is necessary to carry out work on the engine with it running, remove the exhaust gasses from the area with a extension pipe connected to the exhaust pipe.

If you do not have an extension pipe, open the doors and let the outside air circulate inside the work area.



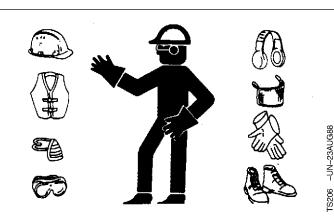
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Wear Appropriate Clothing

Avoid wearing loose clothing and use adequate safety equipment relevant to the type of work being done.

Prolonged exposure to loud noise can affect hearing ability. As a protective measure, protect your hearing with protective headgear.

The correct operation of the machine requires the full attention of the operator. Do not wear headphones while operating the machine.



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Safe Maintenance

Familiarize yourself with the maintenance procedures before servicing. The workplace must be clean and dry.

Do not perform any work such as lubrication, repairs, or adjustment with the engine running.

Keep hands, feet and clothes away from moving parts.

Position all the controls in neutral and turn off all electrical functions. There should be no pressure remaining in the hydraulic system. Lower any attached implements to the ground. Turn off the engine and remove the ignition key. Let the engine cool down.

Carefully support all the parts of the machine to be raised for maintenance work.

All the components should be in good condition and correctly installed. Replace any worn or broken parts. Clean any accumulation of grease, oil or dirt.

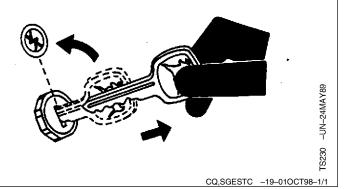
Disconnect the earth cable (-) from the battery before carrying out any welding work on the tractor or any adjustments to the electrical system.



Parking the Tractor

Stop the machine, lower any coupled implements to the ground before leaving the Tractor.

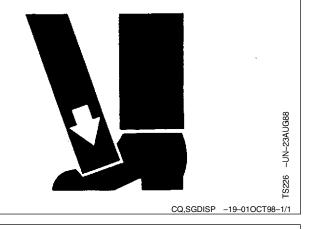
Stop the engine, put the transmission into the PARK position, remove the ignition key and close the cabin (if equipped with a cabin). Chock the wheels.



Use Adequate Lifting Devices

Lifting heavy components incorrectly may cause serious injuries or important damage to the machine.

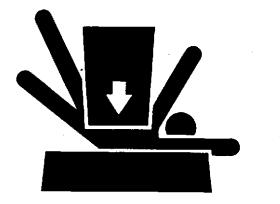
Follow the procedure recommended in the manual to remove and install heavy components.



Supporting the Machine Safely

Always lower the implement to the ground before carrying out any work on the Tractor. When it is necessary to work under the machine or any equipment raised off the ground, make sure it is braced securely.

Do not use blocks of stone or other material that could collapse under a continuous weight. Do not work under any machine that is only supported by a jack. Always observe the handling instructions given in this manual.



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Perform clean work

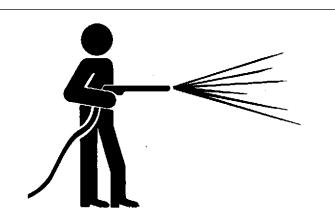
Before starting a job:

Clean the working area and the machine.

Check whether you have all the necessary tools and equipment.

Prepare the necessary replacement parts.

Read all the instructions thoroughly, do not overlook.



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Adequate Lighting for the Working Area

Light up the working area adequately but safely. Use a hand held light to lighten the inside of the lower part of the machine. The bulb must be protected by a safety cage. The incandescent filament of an accidentally broken bulb can start a fire.



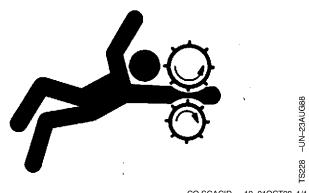
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Avoid Accidents

Tie any long hair. do not wear a tie, scarf, and loose clothing or necklaces. If any of these get caught up in the machine, serious injuries can occur.

Remove rings and other jewelry to avoid short-circuits or the danger of them getting caught up in the machine.



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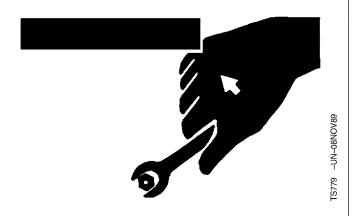
Use the Tools Correctly

Employ the appropriate tools for each job. The use of inappropriate tools, replacement parts and procedures affects the quality of the repairs.

Use either pneumatic or electric machines only to unbolt fixtures.

Use the correct tool size to loosen or tighten fixtures. DO NOT use non-metrical system tools Avoid injury caused by inappropriate tools.

Use only replacement parts that are within John Deere specifications.



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Tire Installation

A sudden separation of the tire from the wheel rim can cause serious injury or even death.

The installation of the tires must be performed by experienced personnel only who have the necessary tools for such. It is safer to entrust this work to a specialized tire dealer.

Make sure the tires are inflated to the correct pressure. Never exceed the maximum allowable pressure as recommended by the manufacturer.

Never heat or perform any welding work on the wheel rim with the tire installed. The heat can cause an increase in the pressure of the tire causing the tire to explode. Welding can deform or weaken the integrity of the wheel rim.

To inflate the tire use a hose with an extension that allows you to stand beside the tire and not above or in front of it. Use a safety cage if available.

Inspect tires and wheel rims daily. Do not use the wheels if the tires are insufficiently pressurized or damaged or if the wheel rims are damaged or missing wheel nuts or bolts.



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