

Electronic Scale Attachment for 700 and 750 Grinder-Mixers



JOHN DEERE

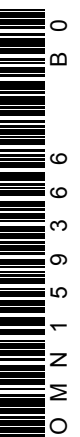
OPERATORS MANUAL

Electronic Scale Attachment for 700
and 750 Grinder-Mixers

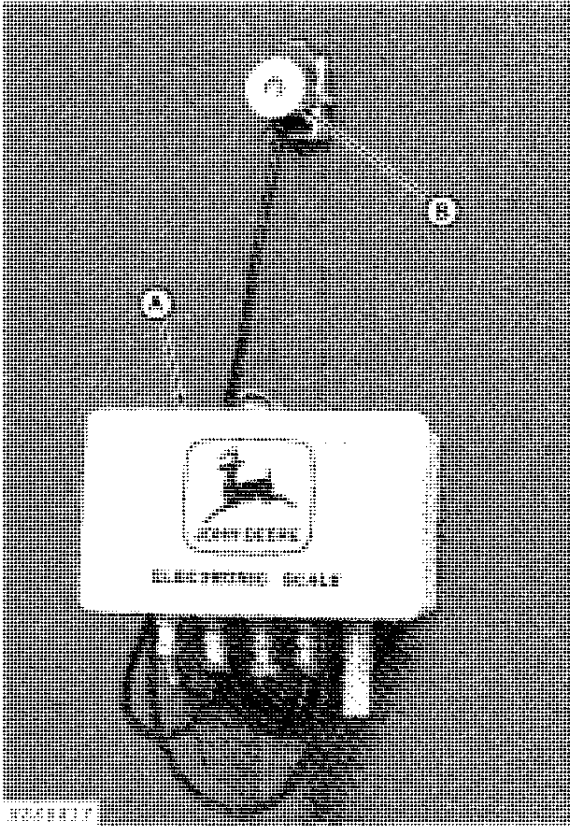
OMN159366 Issue B0 English


Des Moines Works
OMN159366 Issue B0

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ENGLISH



INTRODUCTION



 This safety alert symbol identifies 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.

This publication contains both the U.S. customary units of measurement and the SI Metric equivalents.

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

Your warranty appears on your copy of the purchase order which you should have received from your dealer.

Record your serial number on page 23.

A—Indicator Box
B—Optional Warning Horn

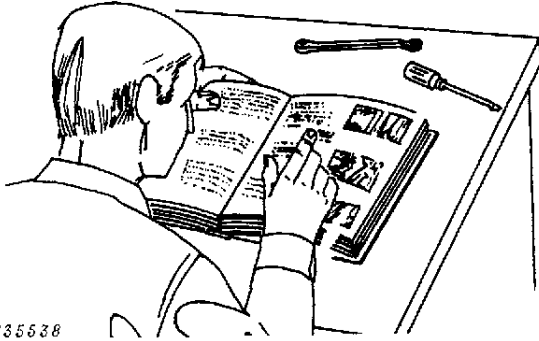


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Safety



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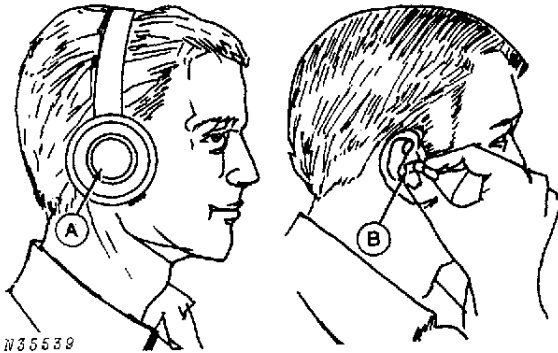
Operate Safely

DO NOT operate electronic scale attachment without reading this operator's manual.

Check power supply cord connected to the tractor electrical outlet. Make sure insulation is covering the wire.

Do not come in contact with moving parts when operating, testing or calibrating the electronic scale.

Shut off tractor engine and remove switch key before servicing electronic scale attachment.



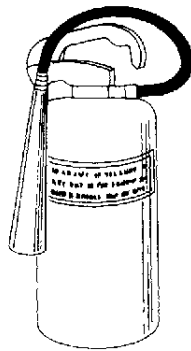
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Protect Against Noise

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.

A—Earmuffs
B—Earplugs



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Avoid Fires

DO NOT operate electronic scale attachment without a fire extinguisher nearby.

DO NOT refuel tractor with engine running.

DO NOT smoke or use a lantern when refueling tractor.

Practice Safe Maintenance

Turn off battery charger before making connections or disconnections when charging battery.

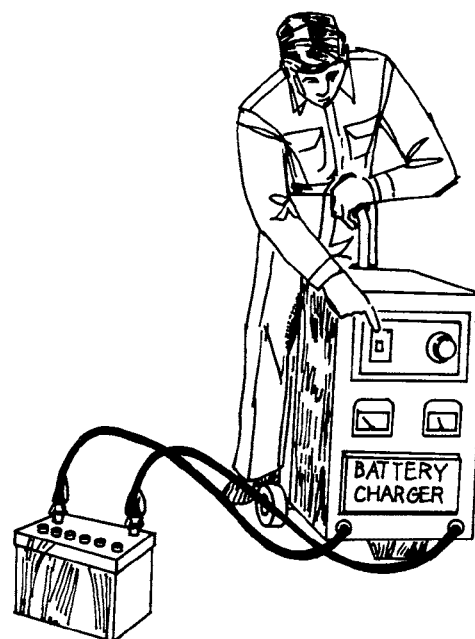
Severe damage or burns can occur if electrical system is grounded or short-circuited.

Disconnect battery ground strap or ground wire and connect cable from battery BEFORE servicing.

Make sure all electric switches and accessories are turned off and the terminals and battery posts are clean BEFORE connecting battery.

Dirt and corrosion could damage the battery terminals and posts.

Replace all guards or shields removed for servicing.

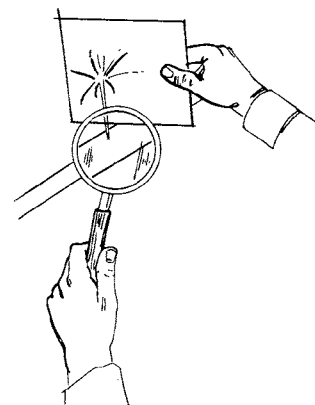


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Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipe, and hoses are not damaged.

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

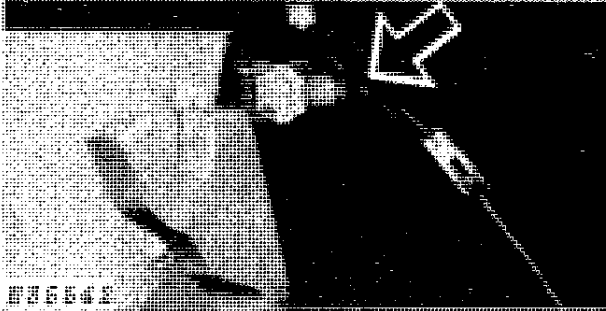
If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.



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Preparing Tractor



1. The tractor must be equipped with a 12-Volt DC electrical system.
2. Couple power cord connector (bold arrow) to tractor outlet socket.

If tractor is not equipped with outlet socket, one is furnished with the electronic scale attachment. See page 20 for installation instructions.

If tractor is furnished with outlet socket, wiring and outlet socket must correspond to diagrams on page 20.



Preparing Electronic Scale Attachment

IMPORTANT: Weight bar wires MUST BE securely clamped to grinder mixer frame.

1. Tractor 12-Volt battery must be fully charged.
2. All connections to control box must be tight.
3. Grinder-Mixer hitch weigh bar bolts must be tight and connectors clean.
4. Wires must not be kinked or bare of insulation.
5. No part of grinder-mixer such as feed or unloading auger, jack stand, or frame can touch the ground. This interference will cause loads to bypass weigh bars, resulting in a faulty reading.



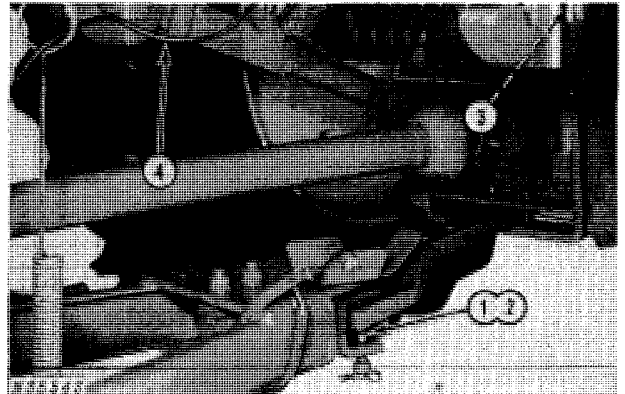
Attaching and Detaching

ATTACHING

1. Back tractor to hitch. Use jack stand to raise or lower grinder-mixer into position to engage tractor drawbar. **DO NOT** use a hitch pin larger than 3/4-inch (19 mm) diameter.

NOTE: If 3/4-inch (19 mm) hitch pin is used, **DO NOT** tighten nut until it touches the underside of weigh bar clevis.

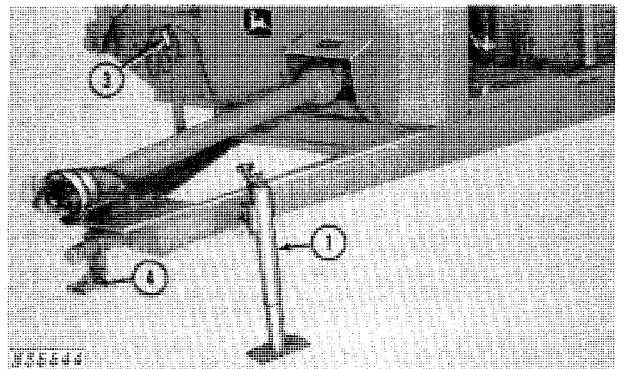
2. Install and secure hitch pin.
3. (For hydraulic variable speed auger models) Plug hydraulic hoses into tractor outlets, notched hose into notched receptacle.
4. Connect electronic scale attachment power supply cord to electrical outlet on tractor.
5. Continue to safely attach grinder-mixer by following attaching steps outlined in your grinder-mixer operator's manual.



DETACHING

CAUTION: To avoid backward tilt when grinder-mixer is loaded, always block rear of chassis before unhitching from tractor. **DO NOT** remove block while grinder-mixer is unhitched.

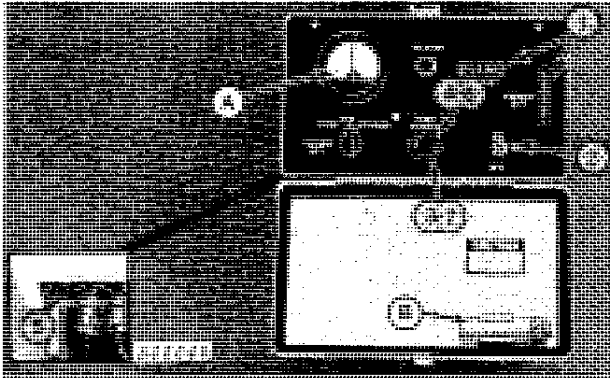
1. Lower jack stand to storage position.
2. Disconnect hydraulic hoses from tractor (not shown).
3. Disconnect electronic scale power cord from tractor.
4. Remove hitch pin. Store for later use.
5. Continue to safely detach grinder-mixer by following detaching steps outlined in your grinder-mixer operator's manual.





Operating Electronic Scale

BALANCING ELECTRONIC SCALE



A—Meter Needle
B—Testing Adapter

IMPORTANT: Start the tractor engine and engage PTO.

1. With grinder-mixer empty, rotate weight set wheel until counter reads 00000.
2. Turn power switch "ON." When power switch is first turned on, needle will probably swing all the way to right or left. This is normal. Wait for needle to stabilize.

NOTE: In cold weather, turn power switch on and allow main control box to warm-up for 20 minutes.

3. Loosen zero adjust lock knob by rotating it counterclockwise.
4. Rotate knob counterclockwise until it reaches its stop, then clockwise five turns. This places knob in center of its full travel.

NOTE: Zero adjust knob is a fine adjustment control used for centering meter needle. It will rotate ten full turns from counterclockwise stop position to the clockwise stop position.

5. Insert a screwdriver into the slotted shaft of coarse adjustment control located on the underside of the main control box. Turn the control until meter needle is approximately centered on meter.

NOTE: Rotate coarse adjustment control clockwise to move meter needle to right and counterclockwise to move to left. If control shaft turns too easily, tighten the tension nut just enough to maintain control setting during operation.

6. Rotate zero adjust knob until meter needle is on its exact center position.
7. Lock knob in position by rotating clockwise.

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