



Welding on Machines with Electronic Controls

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TOPIC: Welding on Machines with Electronic Controls

As with all machines with Electronic Controls, special care should be taken when welding on the machine. Here are some tips to keep in mind when performing welding on the D7E track-type tractor. For additional details, review the D7E Operation and Maintenance Manual.

General Warnings & Tips

- Always wear proper personal protective equipment
- Before welding around electronics, if possible, remove the electronics in that area to reduce or eliminate heat damage caused by the welding process
- Turn the battery disconnect switch to the OFF position and verify that the hazardous voltage indication lamp turns off.
- Lock-out and Tag-out the machine.
- Clamp the ground cable from the welder to the component that will be welded and place the clamp as close to the weld as possible.
- Do not use electrical components (ECM or ECM Sensors) or electrical component grounding points for grounding the welder
- Do not weld in wet areas or in the rain
- Always weld in a well ventilated area
- Keep your work area clear of anything flammable
- Do not use cables that are frayed, cracked or have bare spots in the insulation

Discussion Date: _____

Employee Participants:

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