

Welding on Planters

Because of the high current and voltage that welding creates and passes through a planter frame, there is potential that it can damage the electrical circuit boards of the 2020 display and implement mounted components. The importance of a properly located ground clamp is vital to safeguarding the electrical system. The ground clamp should be located as close as possible to the spot that is being welded, ground clamp should be located such that no electrical device is between the welding spot and the clamp (example – if welding between row 9 & 10, do not position ground clamp at row 8 & 9 – instead position ground clamp between row 9 & 10), should be connected to bare metal if possible (no paint), and clamp should be attached to a solid piece of the planter (not thin metal). Keep welder's cables away from the planter's wiring harness/modules while welding on the planter.

Before welding on a planter that has 2020 electrical components installed on it, it is best practice to follow the process outlined below.

1. Power down the Display, unplug the display from power
2. Disconnect the harnesses at the hitch (4 pin, 9 pin, and/or round Deutsch connection)
3. Disconnect power and ground wires from the alternator
4. Disconnect all weigh pins from SRM or RUM
5. Disconnect all lift switches from SRM or RUM
6. Connect ground clamp as described above.

Incorrect ground clamp point with welding point in the center of planter – current must go through left frame to reach ground. All devices on left wing are subject to high current

