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CHARGER INTERLOCK

An often overlooked spot on the Skyjack electric powered scissor lifts is the A.C. interlock connection. It is located at the rear of the battery charger and is labeled as AC Interlock. If the label is missing, look for two 14 GA. wires (one black/one white) leading to a white connector. See figure 1:



The purpose of the interlock circuit is to prevent the unit from being operated while the charger is plugged in. When the charger is connected to an AC power source, the 120V relay (L1CR) inside the charger opens the contacts cutting power from the main circuit breaker on wire 3A to the 05 wire (power to the emergency stop switch) preventing the machine from operating. See figure 2:

White Connector

If you experience total loss of functions, check that the charger is not plugged in, then check the interlock connector. The connector may be loose or corroded causing the power loss. The other cause may be a bad relay in the charger. This relay does not affect charger operation. If necessary, you can bypass the connector by connecting wires 3A and 05 together on the machine side of the connector.

If you encounter this situation or if you have a question regarding your Skyjack product, and need assistance, please contact Skyjack Product Support at 1-800-275-9522 or email service@skyjack.com.

