

Existing Installations



Warning

Warning: Disconnect the battery or power source before beginning the installation. Damage to the lift, the equipment being installed, and injury to the installer can occur if this step is not followed.

- 1 Connect the 4-pin connector from the dongle (P/N 851-070-101) to the input of the DC/DC converter (P/N 851-070-001).
- 2 Connect the power input cable (P/N 226-340-002) to the dongle.
- 3 Secure the dongle box to the metal surface on which the DC/DC converter (P/N 851-070-001) is attached. This prevents the connectors from having to carry the weight of the dongle.

To meet FCC emissions requirements, the metal box of the dongle needs to make a DC connection to the case of the DC/DC converter. This connection is made by adding a wire strap between the mounting point of the DC/DC and the mounting point of the dongle. If the mounting of the boxes already provides DC connection, then omit the wire strap.

Dongle Cable Install Instructions

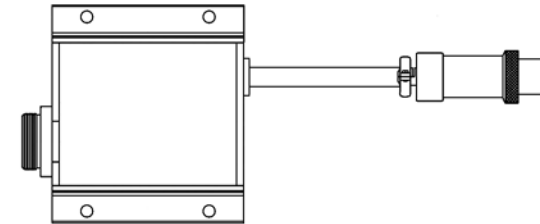


P/N 931-003-001



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Cable Instructions



The dongle cable (P/N 851-070-101) is a device that prevents damage to the DC/DC converter (P/N 851-070-001) caused by frequent battery connection/disconnection on electric forklifts.

- The dongle cable is intended for use on battery powered forklifts operating from 24-60 VDC.
- The dongle cable is **NOT** needed and does **NOT** work on 12V DC systems.
- The dongle cable is **NOT** needed if the DC/DC Converter (P/N 851-070-001) is connected to the output power tap of an onboard power supply.

New Installations

Follow the guidelines in the install kit (P/N 203-669-002) installation guide.

Connect the dongle cable (P/N 851-070-101) between the input to the DC/DC converter (P/N 851-070-001) (4-pin connector) and the power input cable (P/N 226-340-002).

Operating and Troubleshooting the Dongle Cable

When installed, the dongle cable does prevent power from going to the DC/DC until the battery connection is complete.

You may see a few seconds delay in LEDs activating on the DC/DC converter after installing the dongle cable. This is normal.



Warning

Warning: Do not connect the dongle cable to a damaged supply (a supply with no LEDs active when the power is applied). You may also damage the dongle.



Note: The dongle does not allow a 12 V system to operate. No power is allowed to pass through the dongle.

If you connect the dongle to a 24 V gas- or propane-powered lift, you may encounter a situation where the DC/DC converter LEDs temporarily go out when the ignition to the lift is turned on. The dongle should not be used in this application.

Cable Instructions

