



## **Installation Manual**

### ***523 Scanner Heater***





Congratulations on your purchase of a quality *JLC Solutions* product. All of us at *JLC Solutions* take pride in the design and assembly of each of our products and we believe that your experience will be positive.

## Ordering, Information and Support

Phone: 770.499.9420

Web Site: [www.jlcsolutions.com](http://www.jlcsolutions.com)

E-mail: [orders@jlcsolutions.com](mailto:orders@jlcsolutions.com)  
[sales@jlcsolutions.com](mailto:sales@jlcsolutions.com)  
[info@jlcsolutions.com](mailto:info@jlcsolutions.com)  
[support@jlcsolutions.com](mailto:support@jlcsolutions.com)

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## Warranty

*JLC Solutions* stands behind its products with a one year limited warranty for defects in workmanship and materials, and will handle any issues that may arise in a professional and timely manner.

**PLEASE READ AND UNDERSTAND ALL DOCUMENTATION, INSTRUCTIONS, WARRANTY AND SAFETY INFORMATION PRIOR TO PROCEEDING WITH YOUR INSTALLATION.**

**VERIFY THAT THE PARTS RECEIVED ARE COMPLETE AS DETAILED WITHIN THE PARTS LIST FOUND IN THIS MANUAL.**

If you have any concerns or questions relative to the installation of your *JLC Solutions* product, please contact *JLC Solutions* for further assistance or clarification.

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# Installation Detail

## Electrical Power Connection

**DO NOT OPEN OR MODIFY THE UNIT IN ANY WAY. THERE ARE NO USER SERVICEABLE COMPONENTS CONTAINED IN THIS DEVICE.**

**CONTACT JLC SOLUTIONS IF ANY SERVICE ISSUES ARISE.**

Attach the **523** power cable to the lift truck's DC power source. The **523** is polarity independent so it does not matter which wire is positive or negative. The optimum place to connect to the lift truck power is between the battery and the ignition key. It is important to understand that the **523** requires power at all times in order to function properly.

JLC heaters are available in 12, 24 or 36 - 48 volt models. There is a part number/voltage label affixed to the individual shipping carton that the heater arrived in as well a voltage label on the underside of the heater. Be sure that the voltage label matches the lift truck before installation.

The green LED in the **523** will light when power is being supplied to the **523** unit and should be on at all times except during battery changes. The red power LED located within the **523** will illuminate when the internal temperature control circuit turns on the heater and will cycle on and off as required by your particular environment.

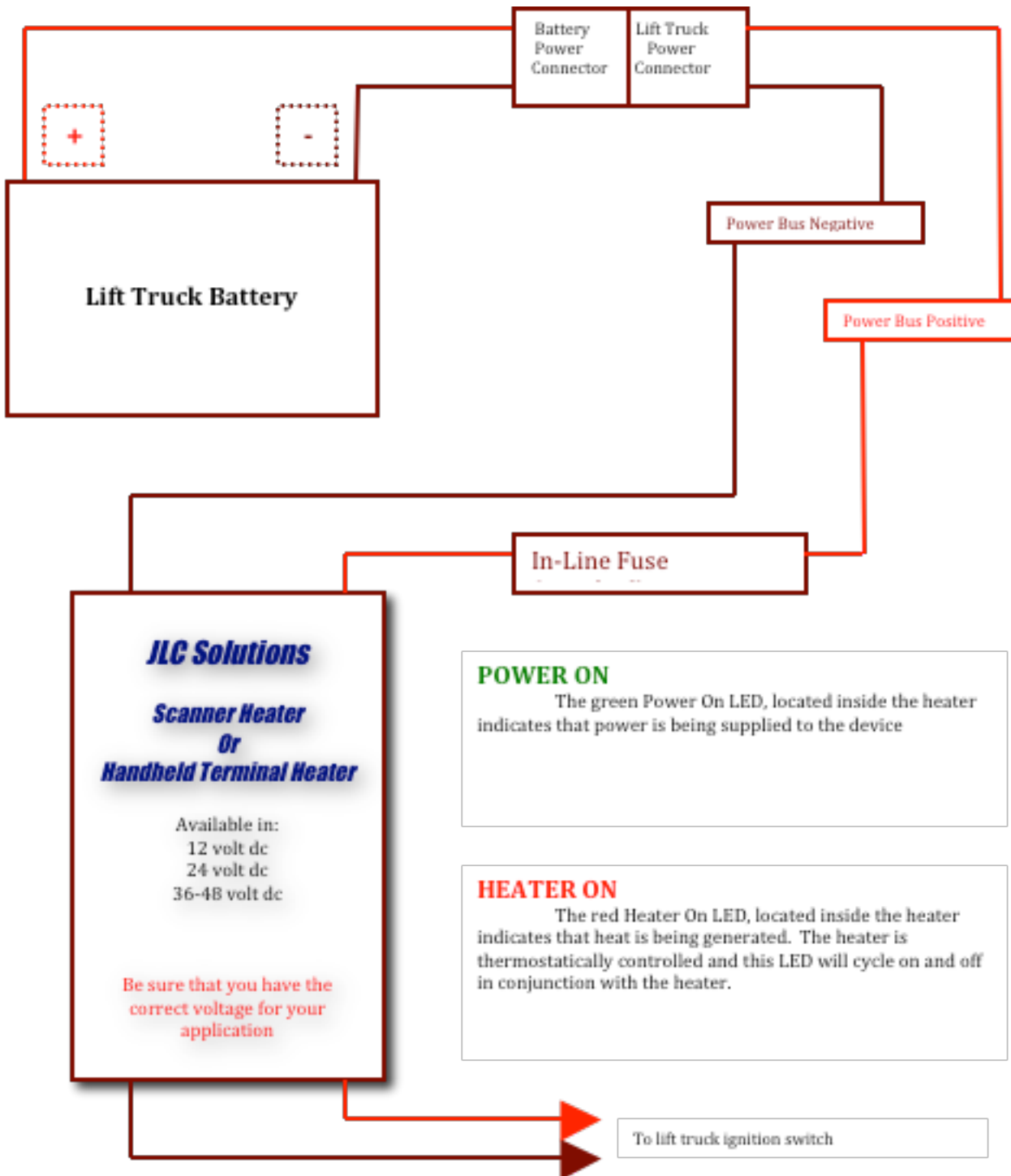
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**Notice:** Please consult with your lift truck manufacturer for any specific electrical installation instructions that may apply.

In all installation cases, do not connect power to a switched line. The JLC heater **MUST** receive power at all times (with the exception of lift truck battery exchanges) in order to function properly. Use the JLC recommended electrical connection diagramed unless the lift manufacturer recommends other connection points

# Installation Detail

## Electrical Power Connection



## Installation Detail

### Mounting Bracket

The mounting bracket attached to the **523** heated scanner holder is designed to give the user complete flexibility in mounting options. By removing the 3 screws on each side of the heated holder and relocating the bracket as shown in the photos below, the **523** can be mounted in the deck mount or in a wall/screen position.

The scanner heater should be in a vertical position or tilted towards the driver. It should **NOT** be installed horizontally.



## Standards Committees and Organizations

You must follow all standards, rules, regulations and codes that may apply to your particular installation. These standards, rules, regulations and codes vary considerably across the various regions of the world and within the various industries. *JLC Solutions* cannot provide definitive information in regards to these worldwide safety and installation issues. In order to provide some guidance in regards to these and other installation and safety issues, please contact the appropriate organization, association, government agency or committee that has jurisdiction over your individual installation and application.

RoHS      All *JLC Solutions* products are RoHS compliant.

REACH      All *JLC Solutions* products are REACH compliant.

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## Parts List

### *523 Scanner Heater*



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### In-Line Fuse

