



John Hays  
Product Manager – Thermal Imaging  
1898 Safety Way  
Cynthiana, KY 41031  
john\_hays@bullard.com  
Tel: 859-234-6616, ext. 152 Fax: 859-234-8987

To: Bullard Regional Sales Managers  
From: John Hays  
CC: Tom Korb, Wayne Ruggles, Brad Harvey, Heidi Coffee, Landon Borders, Customer Service Team  
Date: September 13, 2010  
Re: Powerhouse Installation Advisory

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Due to continued issues with customers improperly installing T3/T4 and Eclipse Bullard Powerhouse Chargers, we are implementing the following advisory. This will be included in the form of a “Read me first card” in the Powerhouse package as well as a sticker on the Powerhouse itself. This sticker will replace the current sticker which contains less specific installation warnings. The reason for this advisory primarily relates to use of the charger with aftermarket charging systems, most notably the Kussmaul charging system, installed frequently in vehicles in the United States.

We expect to have the card and sticker in the packaging within a couple of weeks. Please feel free to communicate this information to your distributors and customers. If you have any questions, please contact me.

***Read-me-first card installation advisory below:***

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## IMPORTANT NOTE PRIOR TO INSTALLATION

The Powerhouse Charger is designed to operate on an input voltage of 10 to 32 VDC. Some vehicular charging systems and other aftermarket products may not supply a voltage that meets these criteria. Connect the Powerhouse to a fused, unswitched DC power source in your vehicle (see Powerhouse user manual installation instructions for more information). **Damage that occurs as a result of installation to a voltage source other than specified is not covered by warranty.**

### **Use with aftermarket battery charging systems**

Vehicle installed battery charging systems may supply a voltage that can cause the Powerhouse to fail or operate improperly. Bullard does not recommend connecting the Powerhouse to such battery charging systems. If connecting to a battery charging system in your apparatus, comply with all manufacturer's instructions and warnings.

### ***Installation note regarding Kussmaul battery charging systems:***

Do not connect your Bullard Powerhouse input power directly to the *Battery Saver* port without also installing a Kussmaul *Battery Saver Filter*. Contact your Kussmaul distributor or visit [www.kussmaul.com](http://www.kussmaul.com) for more information.

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**Americas:**  
E.D. Bullard Company  
1898 Safety Way  
Cynthiana, KY 41031-9303  
Toll free: 877-BULLARD (285-5273)  
Tel: 859-234-6616 • Fax: 859-234-8987  
[www.bullard.com](http://www.bullard.com)

**Europe:**  
Bullard GmbH  
Lilienthalstrasse 12  
53424 Remagen • Germany  
Tel: +49-2642 999980  
Fax : +49-2642 9999829  
[www.bullardextrem.com](http://www.bullardextrem.com)

**Asia-Pacific:**  
Bullard Asia Pacific Pte. Ltd.  
LHK Building  
701, Sims Drive, #04-03 • Singapore 387383  
Tel: +65-6745-0556 • Fax: +65-6745-5  
[www.bullard.com](http://www.bullard.com)