



Technical Service Bulletin

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Fault Code 442 on QSL9 Powered Generator Sets with PowerCommand 1.1 Control	

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- C250D6 (All specs)
- C250D6E (Spec A)
- C275D5 (All specs)
- C275D5E (Spec A)
- C300D2R (All specs)
- C300D2RE (Spec A)
- C300D6 (All specs)
- C300D6E (Spec A)
- C330D5 (All specs)
- C330D5E (Spec A)

Issue

Symptom:

Fault Code 442 – Battery Voltage High is displayed on the generator set display with a properly functioning charge alternator.

Root Cause:

High battery voltage parameter is set too low.

Verification/Confirmation

To confirm if the inaccurate setting is the cause of this failure, connect the InPower tool and check if the parameter “24V High Battery Threshold” is set below 32 Volts. To find this parameter, follow the steps below:

1. With InPower connected, press Ctrl + F buttons (or click in edit + find), type “24V High Battery Threshold” and click in Find Name button, as shown in the Figure 1.

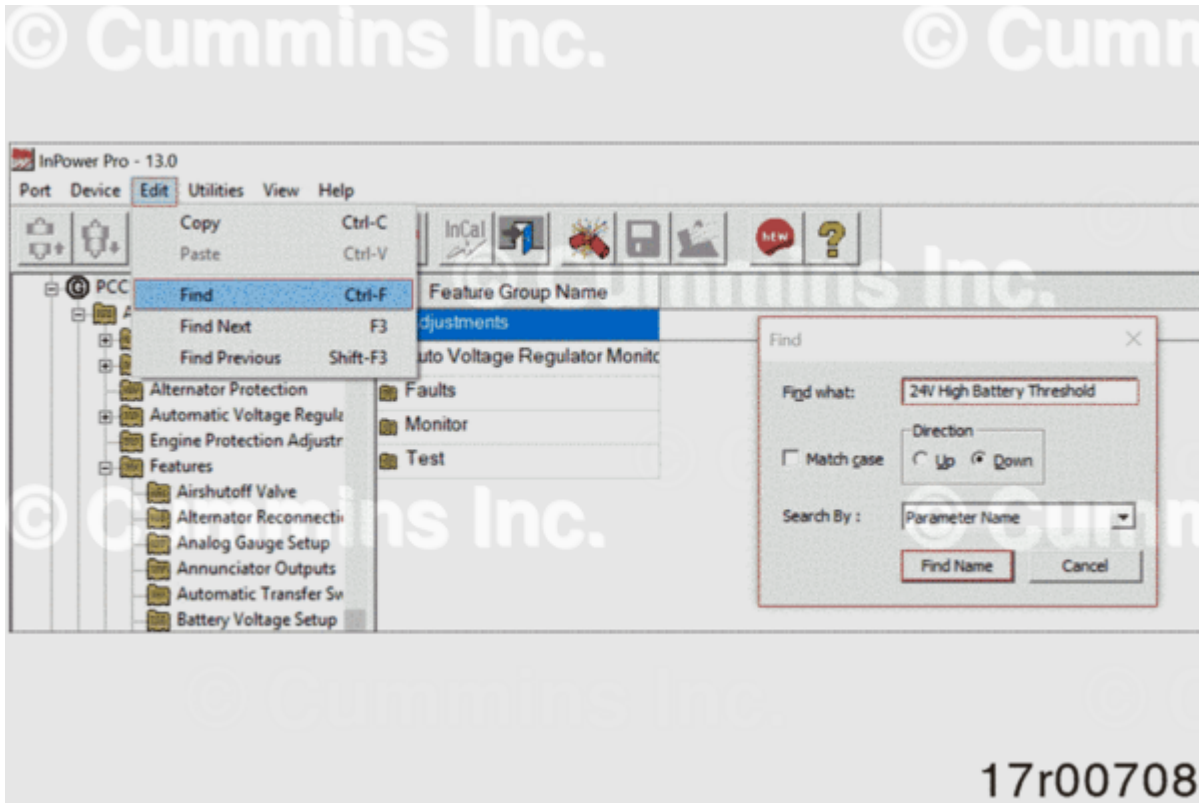


Figure 1, Finding the “24V High Battery Threshold” parameter

2. Check the value of the parameter “24V High Battery Threshold”. If it is set below 32 Volts the failure cause is confirmed.

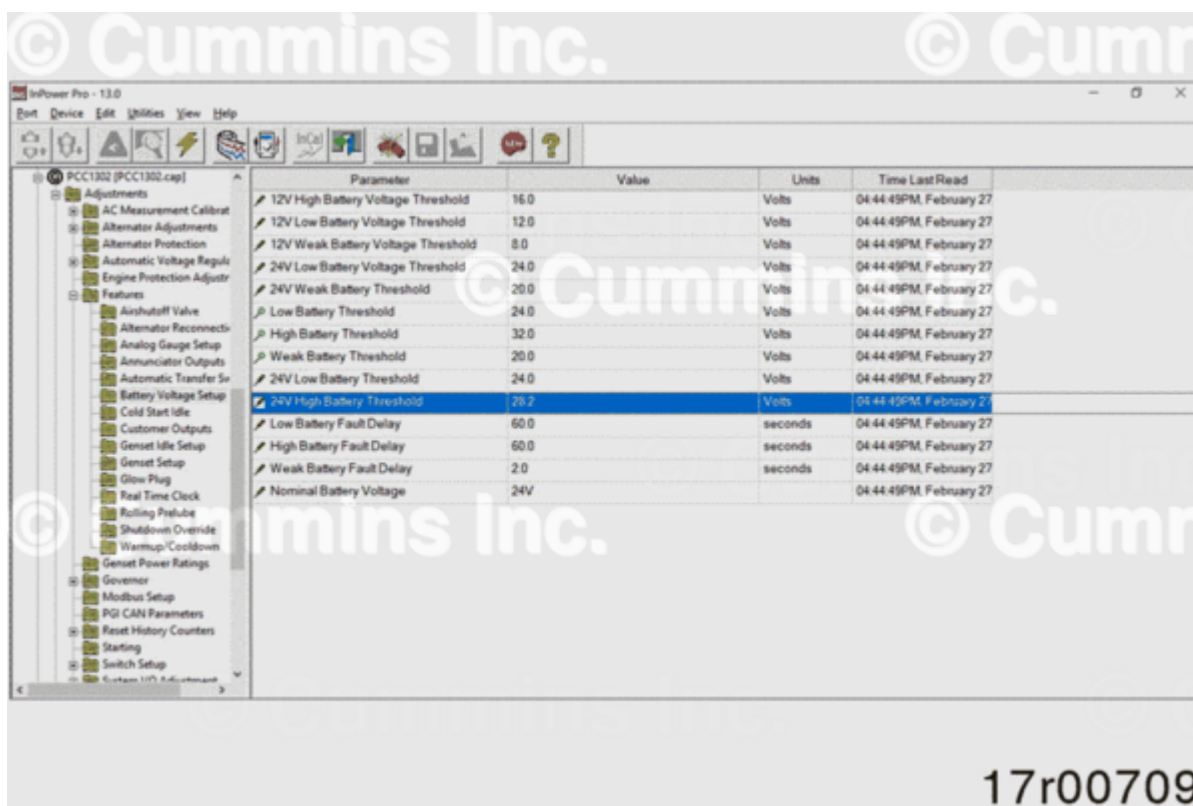


Figure 2, Parameter 24V High Battery Threshold set below to 32 Volts

Note : If the 24V High Battery Threshold parameter is set to 32 Volts and the fault code 442 remains active, follow the regular troubleshooting process described in the PowerCommand 1.1 Service Manual (A034L440) and replace components as necessary.

Resolution

To correct the failure, set the “24V High Battery Threshold” to 32 Volts.

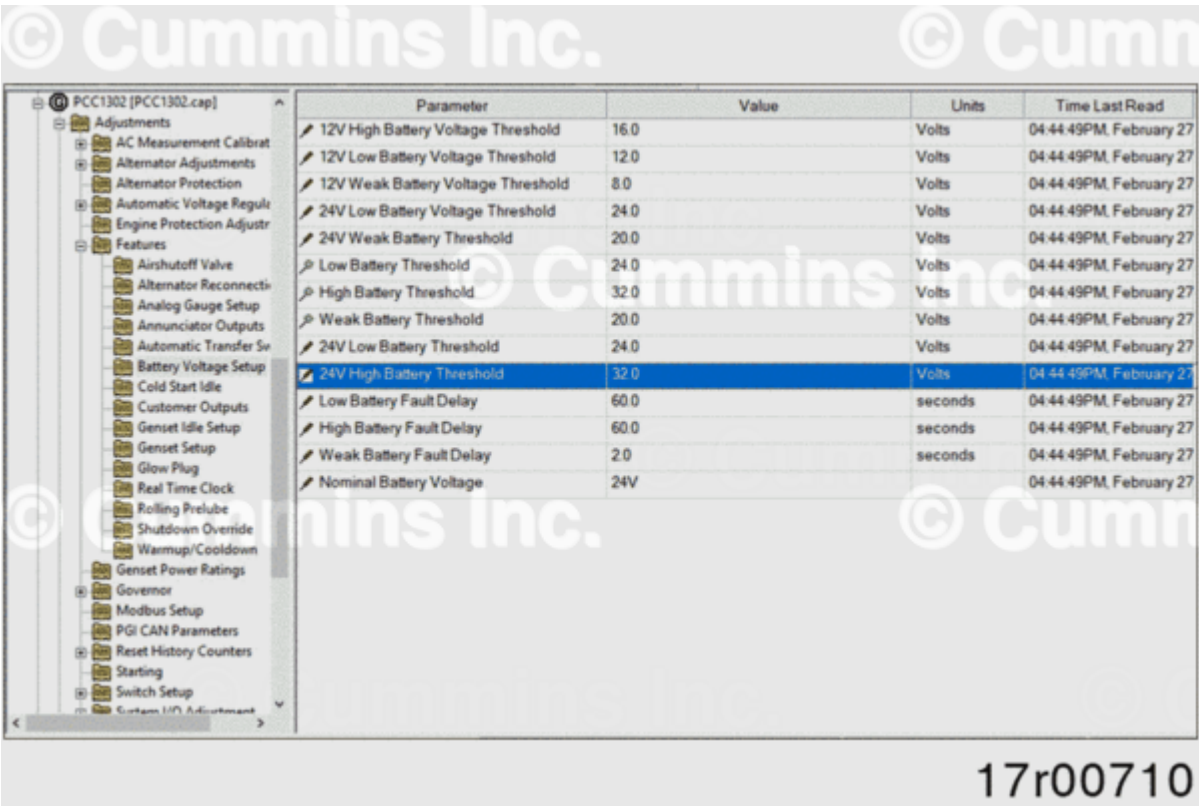


Figure 3, “24V High Battery Threshold” parameter set to 32 Volts

Document History

Date	Details
2020-4-8	Module Created

Last Modified: 08-Apr-2020