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## CRD1 SB001- Power Supply Replacement

Date Released: **August 2024**

Subject: **CRD1 Power Supply Replacement**

Effectivity: **Effective immediately and implemented into design of record**

Required Action: **Replacement of power supply with updated version**

### INTRODUCTION

This service bulletin is issued for all CRD1s that have been received after 3/1/2024. This bulletin requires a mandatory action to remove the replace the current power supply units.

### BACKGROUND

One of the CRD1 units experienced an issue with a power supply, which blew the fuse as designed. This action prevented any damage to the power supply or the FMU system. This specific incident was traced to an out of specification ceramic capacitor coupled with a very hot operating environment. The incident occurred on the ground during power-up, not during flight. Upon connecting the battery, the customer observed a snap sound and a small amount of smoke emanating from the CRD1. The battery was immediately disconnected, and the issue was resolved.

It should be noted that had this issue occurred during the flight, it would not have led to a system failure as our design uses redundant power supplies. Nonetheless, in our efforts to maintain the highest standards for our products, we are taking the precautionary measure of replacing existing power supplies that may contain any of these out of specification components.

### COMPONENT CHANGE

The new CamFlite power supply will incorporate a higher-grade capacitor, replacing the existing, potentially off specification component. A new power supply board integrating the new higher-grade component will be installed as part of this recall.

### Action Item

CamFlite will contact the CRD1 owners and provide a return label for shipping. We expect the new power supplies to be available several weeks from the date of this notice.

For Service information contact Camflite: [paul@camflite.com](mailto:paul@camflite.com)