

# SERVICE INFORMATION LETTER

SIL MD835-X-01  
REV. Original  
November 23, 2016

## **Emergency Power Supply**

MD835-()

Issue: Aircraft Cockpit Indication

### **1. PLANNING INFORMATION**

#### **A. Effectivity**

This service information is applicable to the MD835-() Series Emergency Power Supplies manufactured by Mid-Continent Instrument Co., Inc. (DBA True Blue Power) listed by serial number in **table 1** of this letter.

#### **B. Reason**

To provide approved repair facilities instructions to address a specific cockpit indication which cannot be duplicated in the repair station.

#### **C. Description**

This information letter is specifically to address a small range of serial numbers which may not operate in accordance with section 4.3.1 "Remote Test" of the installation manual.

According to section 4.3.1, 2<sup>nd</sup> paragraph: "The unit has a self-test feature that can be accessed remotely through a pair of pins on the connector. When activated via a switch from the panel, the circuit will close and light an annunciator if the unit passes the built-in self-test routine. This indicates a minimum of 80% of the unit's current capacity is available and also verifies that the heater and temperature monitoring is operational."

Because of variations in aircraft operations and configurations the self-test feature may not indicate a "pass" condition. Though the battery is fully functional this could cause the MD835 to be squawked as "Will not pass self-test." This functionality is not testable in Repair Station level testing and is the result of a manufacturing setting.

### **2. ACCOMPLISHMENT INSTRUCTIONS:**

- A. Remove the 9017335-() Control Board from the MD835.

#### **CAUTION:**

**CAUTION SHOULD BE EXERCISED WHENEVER WORKING WITH BATTERIES. PLEASE ENSURE YOU ARE PROPERLY TRAINED AND ARE AWARE OF SUCH HAZARDS.**

- B. Return the 9017335-() Control Board to Mid-Continent Instrument Co., Inc. for servicing.
- C. Install the serviced 9017335-() Control Board.
- D. Reassemble the MD835.
- E. Test the MD835 per manufacturer's instructions.
- F. Mark the MD835 with a yellow paint "dot" to the right of the I.D. label.

### 3. AFFECTED UNITS

Only those serials numbers listed in table 1 are affected by this SIL

| TABLE 1   |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| C16-11042 | D16-10077 | D16-10588 | F16-10230 | F16-10364 | F16-11612 |
| C16-11043 | D16-10078 | D16-10638 | F16-10231 | F16-10365 | F16-11613 |
| C16-11044 | D16-10079 | D16-10639 | F16-10232 | F16-10366 | F16-11614 |
| C16-11045 | D16-10080 | D16-10640 | F16-10233 | F16-10367 | F16-11615 |
| C16-11046 | D16-10081 | D16-10641 | F16-10234 | F16-10368 | F16-11616 |
| C16-11047 | D16-10082 | D16-10642 | F16-10235 | F16-10369 | F16-11617 |
| C16-11048 | D16-10083 | D16-10643 | F16-10236 | F16-11339 | F16-11618 |
| C16-11614 | D16-10578 | D16-11269 | F16-10355 | F16-11340 | F16-11619 |
| C16-11615 | D16-10579 | D16-11270 | F16-10356 | F16-11341 | F16-11620 |
| C16-11616 | D16-10580 | D16-11271 | F16-10357 | F16-11342 | F16-11621 |
| C16-11617 | D16-10581 | E16-10078 | F16-10358 | F16-11343 | F16-11622 |
| C16-11618 | D16-10582 | E16-10079 | F16-10359 | F16-11344 | F16-11623 |
| C16-11619 | D16-10583 | E16-10080 | F16-10360 | F16-11345 | G16-11639 |
| C16-11620 | D16-10584 | F16-10227 | F16-10361 | F16-11346 | G16-11640 |
| C16-11621 | D16-10585 | F16-10228 | F16-10362 | F16-11347 | G16-11643 |
| D16-10076 | D16-10586 | F16-10229 | F16-10363 | F16-11348 |           |

#### A. Material

Yellow paint stick.

#### B. Other Publications

"MCIA DATA PACKAGE MD835"