

VENDOR SERVICE INFORMATION LETTER

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SUBJECT: ICE AND RAIN PROTECTION
WING ICE PROTECTION SYSTEM
ZONE CONTROLLER
INTRODUCTION OF MODIFICATION “C”

ATA CHAPTER: 30-11

AIRCRAFT TYPE: Boeing 787 all variants

APPLICABILITY: Zone Controller
True Part Number: 003-CM-00-0200,
ATA Compliant Part Number: 003CM00-0200

REFERENCES:

1. Component Maintenance Manual (CMM) 30-11-40.
2. Ultra PCS Ltd, Request for Authorisation of Change: 003-CM-RAC-0007.

1. **PURPOSE**

This Vendor Service Information Letter (VSIL) is to provide Operators notice of the introduction of Modification “C” which is being introduced as a minor change to Zone Controller, Part Number: 003-CM-00-0200.

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2. **BACKGROUND**

Ultra PCS has identified that a number of returns of Zone Controller, Part Number: 003-CM-00-0200 have been as a result of short circuit Diodes (Reference Designators: D13, D31, D32 & D33) located within the power supply circuit of Zone Controller.

Extensive investigations have been undertaken; however, the root cause of this has not been ascertained. Some aircraft experienced diode failures (in different slots) at much higher rate, while other aircraft with similar line number and delivery date have experienced none. It remains inconclusive to explain why the short circuit diode occurrences happen on a particular aircraft.

To reduce the amount of removals, the Diodes are being changed with an enhanced voltage rating.

3. **DESCRIPTION**

Zone Controller Diodes (Reference Designators: D13, D31, D32 & D33) are changed from PN: B240 Type 40 Volts to PN: SL36A Type 60 Volts.

The Zone Controller remains Part Number: 003-CM-00-0200 post modification with the change identified as Modification "C".

NOTE: All qty 4 Diodes must be replaced for the Zone Controller to be identified as Modification "C"

Full information on the replacement specified parts will be detailed in the next revision of CMM 30-11-40.

4. **SUPPORT INFORMATION**

As the Zone Controller remains Part Number: 003-CM-00-0200, the pre-modified and post-modified Zone Controller is fully interchangeable and intermixable within the Wing Ice Protection Control Unit (WIPCU) Part Number: 003-CM-00-0000.

This change is implemented in October 2024 for all new Zone Controller Cards, the first serial will be advised in a future revision of this VSIL.

5. **COMMERCIAL CONSIDERATIONS**

Unit Returned & Defect Confirmed

As of the date of issuance of this VSIL, Zone Controllers that are been returned to Ultra and are defect confirmed shall have the modification completed as part of the repairs process where the aircraft has been susceptible to the particular fault mode detailed in Section 2.

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Upgrade Requests

Where Operators wish to upgrade their Zone Controllers to Modification C, Ultra requests that they contact the Ultra PCS Repairs team for a quotation and lead time (contact details contained in Section 6).

6. CONTACTS

All queries relating to information contained in this Vendor Service Information Letter contact:

Technical Queries:

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