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SERVICE INFORMATION LETTER

DESCRPTION: ELECTRICAL POWER – Static Inverter Part Number: 1-002-0102-2089 and 1-002-0102-2090, Avionic Instruments Installed on B737, B747, B757, B767, B777. Termination of aftermarket support for Static Inverters 1-002-0102-2089 & 1-002-0102-2090.

TRANSMITTAL: Service Information Letter 1-002-0102-2170-24-49; Revision 3.

1. Effectivity and Replacement Information

A. Effectivity

This Service Information Letter provides information to all Aircraft Operators with Avionic Instruments' Static Inverter Part Number: 1-002-0102-2089 and 1-002-0102-2090 installed.

Notice of Obsolescence.

- **Model**: 1C1000-1B-2089 and 1C1000-1C-2090
- **Supplier Part Number**: 1-002-0102-2089, Boeing P/N: S282T004-28 and 1-002-0102-2090, Boeing P/N: S282T004-30
- **SIL Purpose**: Notice of Obsolescence
- **Targeted Serial Numbers**: All in-service serial numbers
- **Effective Date**: May 11, 2022

B. Reason

Avionic instruments designed, developed, and qualified a static inverter 1-002-0102-2170 to replace static inverters 1-002-0102-2089 & 1-002-0102-2090 due to component obsolescence. Static inverter 1-002-0102-2170 has been released and is currently available to Airline Operators since 2015.

Avionic Instruments will cease all aftermarket support for static inverters 1-002-0102-2089 & 1-002-0102-2090 after December 31, 2022 and has since directed Aircraft Operators to replace installed 1-002-0102-2089 & 1-002-0102-2090 with the most recent fit form and function version 1-002-0102-2170 current part number.

C. In service Support

Avionic Instruments has ceased production of static inverters 1-002-0102-2089 and 1-002-0102-2090 since 2015. The new static inverter 1-002-0102-2170 has been developed as a form-fit-function replacement with improved reliability and is currently installed on all new production B737, B747, B757, B767, B777 aircraft and is available for in-service support.

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Avionic Instruments will continue support 1-002-0102-2089 and 1-002-0102-2090 until December 31, 2022 and will recommend Airline Operators who have 1-002-0102-2089 and 1-002-0102-2090 installed to convert to 1-002-0102-2170 for aircraft in service.

Avionic Instruments will proactively work with Airline Operators to review fleet requirements and support the conversion to 1-002-0102-2170.

It is recommended for Airline Operators to prioritize the removal and replacement of 1-002-0102-2089 and 1-002-0102-2090 that either exceed a 20-year serviceable life (see serviceable life definition below) or have on-condition failures.

- **Spare LRU**: 1-002-0102-2090 is no longer available for purchase new. Airline Operators are directed to purchase 1-002-0102-2170 fit, form, function replacement.

- **Repair Service**:
  - Avionic Instruments FAR 145 repair station will provide 1-002-0102-2089 and 1-002-0102-2090 repair services until December 31, 2022 which will be contingent on component availability.
  - Avionic Instruments will cease direct and distribution sales of 1-002-0102-2089 and 1-002-0102-2090 spare components after December 31, 2022.
  - Revision services for 1-002-0102-2089 and 1-002-0102-2090 Component Maintenance Manuals will conclude on December 31, 2022.

D. Cost

Airline Operators can purchase one-off 1-002-0102-2170 spares from Avionic Instruments directly or from Avionic Instruments directly and from appointed distributors regionally at current year catalog list price.

Avionic Instruments will work with Operators to commercially customize pricing for fleet-wide exchange programs for the 1-002-0102-2170 taking into consideration the return of the 1-002-0102-2090 core return, fleet adoption and size, and the associated time frame of completing the exchange program.

For coordination of core returns and commercial arrangements:

Phone: +1 732-388-3500
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Address: 1414 Randolph Avenue, Avenel, New Jersey 07001

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2. CONTACTS

A. For further general information, please contact Avionics Instruments LLC through any of the following links:

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