



TECHNICAL INSTRUCTION HAC04-001 Rev N/C March 26, 2004

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**HEICO FAA Approved Batteries
Installed on the Emergency Power Supply Unit (EPSU)
For Airbus Aircraft Types
A300/A310/A319/A320/A321/A330/A340**

PART NUMBER APPLICATION

AD-3214-30

UNCONTROLLED COPY

Verify latest approved revision at <http://ipc.heico.com>



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Title: HEICO FAA Approved Batteries Installed on the Emergency Power Supply Unit (EPSU) for Airbus Aircraft Types A300/A310/A319/A320/A321/A330/A340.

Issue Sequence Number: HAC04-001

1. Reason

This HEICO Aerospace Technical Instruction (TI) is in response to questions from HEICO customers regarding Airbus Operators Information Telex (OIT) SE 999.0035/04/BB dated March 23, 2004 regarding “unapproved” batteries. The OIT is shown in Attachment 1.

Contact HEICO Customer Support for assistance or questions regarding this Technical Instruction at:

- Telephone: 954-961-9800 (8AM to 5PM EST)
- FAX: 954-987-7585
- Email: cs@heico.com.

2. Discussion

All HEICO replacement parts meet the airworthiness requirements applicable to the product on which the part is installed and that it performs its intended function in order to receive FAA PMA approval. It is also a requirement that all design, materials, processes, test specifications, system compatibility, and interchangeability are supported by an appropriate test and substantiation plan for FAA review and approval.¹

This HEICO part number is an FAA approved replacement part for the OEM part numbers that are referenced in the Airbus IPCs. The FAA approved PMA Supplement for the HEICO part is shown in Attachment 2.

Airbus and DIEHL cannot make airworthiness determinations on products that they do not manufacture or sell. In addition, no specific replacement part numbers are mentioned in the Airbus Telex, so it may be possible that Airbus is referring to suspected unapproved parts (SUPs).

HEICO performs full testing prior to shipment on all battery packs to ensure the correct functioning of the batteries.

¹ 14 CFR Ch. 1 21.303 (Replacement and Modification Parts) and FAA Order 8110.42 (Parts Manufacturer Approval Procedures)



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As of the date of this Technical Instruction, HEICO Customer Support has received no reports from operators of malfunctions of the battery pack or EPSU when using the HEICO part numbers.

In conclusion, the EPSU will operate properly when the HEICO replacement batteries are installed.

3. Material Information

This TI will be maintained and the latest revision posted on the HEICO web site at <http://ipc.heico.com>.

4. Revision History

Initial Release March 26, 2004



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ATTACHMENT 1-Airbus OIT

OPERATORS INFORMATION TELEX - OPERATORS INFORMATION TELEX

TO: A300-600/A310/A318/A319/A320/A321/A330/A340/A340-500/A340-600 OPERATORS

SUBJECT: ATA 33 - NON DIEHL APPROVED BATTERIES INSTALLED ON THE EMERGENCY POWER SUPPLY UNIT (EPSU)

OUR REF: SE 999.0035/04/BB DATED 23 MARCH 2004

CLASSIFICATION: GENERAL INFORMATION

REFERENCED DOCUMENT:

- VENDOR DIEHL CUSTOMER INFORMATION LETTER DATED 02 SEPTEMBER 2002

1. REASON

THE PURPOSE OF THIS TELEX IS TO WARN ALL AIRBUS OPERATORS ABOUT THE INSTALLATION OF BATTERIES NOT APPROVED BY THE VENDOR DIEHL ON THEIR EMERGENCY POWER SUPPLY UNIT (EPSU).

2. DESCRIPTION

SOME BATTERIES MAY HAVE BEEN INTRODUCED IN THE FIELD AS A REPLACEMENT PART FOR THE DIEHL BATTERIES PN 3214-30 OR PN 3214-31.

THE APPROVAL OF DIEHL EPSU ON AIRBUS AIRCRAFT WAS MADE AFTER INTENSIVE SYSTEM INTEGRATION TESTING TO ENSURE REQUIRED BATTERY AUTONOMY AND CORRECT MONITORING AND OPERATION OF THE BATTERIES. THESE SYSTEM INTEGRATION TESTS HAVE BEEN ONLY PERFORMED WITH EPSU FITTED WITH DIEHL BATTERIES LISTED IN THE AIRBUS ILLUSTRATED PARTS CATALOG (IPC) ATA 33-51-XX.

3. CONSEQUENCE

IF BATTERIES NOT MANUFACTURED BY DIEHL ARE INSTALLED ON THE EPSU, AIRBUS CANNOT GIVE ANY ASSURANCE THAT THE EPSU FULLY SATISFIES AIRBUS SPECIFICATIONS AND MEETS THE NECESSARY AIRWORTHINESS REQUIREMENTS FOR EMERGENCY LIGHTING AUTONOMY.

AIRBUS IS NOT ABLE TO PROVIDE ANY ASSURANCE THAT BATTERIES,



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ATTACHMENT 1 (cont.)-Airbus OIT

OTHER THAN DIEHL EPSU BATTERIES MENTIONED IN THE AIRBUS IPC, ARE
ACCEPTABLE FOR OPERATION ON AIRBUS AIRCRAFT.

4. FOLLOW-UP PLAN

NO SPECIFIC FOLLOW-UP OF THIS OIT IS PLANNED.

QUESTIONS ABOUT THE CONTENT OF THIS OIT ARE TO BE ADDRESSED TO:

MR. CHAU WYN EVANS (SEE51)
PHONE: +33 5 61 93 45 99
FAX: +33 5 61 93 44 25
E-MAIL: chau-wyn.evans@airbus.com

BEST REGARDS,

P. GLAPA
VICE PRESIDENT, SYSTEMS AND POWERPLANT
ENGINEERING SERVICES
CUSTOMER SERVICES DIRECTORATE

IF YOU RECEIVE THIS MESSAGE VIA E-MAIL/INTERNET, WE DRAW YOUR
ATTENTION TO THE FACT THAT IT MAY BE MONITORED AND/OR
INTERCEPTED. FURTHER, WHILST AIRBUS HAS TAKEN REASONABLE
MEASURES TO ENSURE THE INTEGRITY OF THIS MESSAGE AND ITS
CONTENTS, NO WARRANTY, WHETHER EXPRESS OR IMPLIED, IS GIVEN THAT
THE CONTENTS HEREOF CONFORM TO THE ORIGINAL. IN CASE OF ANY
DOUBT, PLEASE RETRIEVE THIS DOCUMENT FROM YOUR SITA ADDRESS OR
THE AIRBUS AOLS SYSTEM OR REQUEST THAT IT BE RETRANSMITTED BY
FAX OR TELEX.



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ATTACHMENT #2
HEICO Aero Design Supplement #108
Dated July 10, 2003



Small Airplane Directorate
Atlanta Manufacturing Inspection
District Office
One Crown Center, Suite 475
1895 Phoenix Boulevard,
Atlanta, GA 30349

U.S. Department
of Transportation

**Federal Aviation
Administration**

July 10, 2003

Project No. PQ1465CE

Aero Design, Inc.
385 Industrial Drive
Mt. Juliet, TN 37122

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test and Computations submitted by Aero Design, Inc. with FAA design approval letter dated, June 26, 2003, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that Aero Design, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at 385 Industrial Park Drive, Mt. Juliet, TN. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 108.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated March 30, 1995, also apply to the enclosed PMA Listing-Supplement No. 108.

Sincerely,

Angelia D. Tuggle
For: Jim Reeves

Manager, Atlanta Manufacturing
Inspection District Office

Enclosure

PARTS MANUFACTURER APPROVAL NO. PQ1465CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 108

DATED JULY 10, 2003

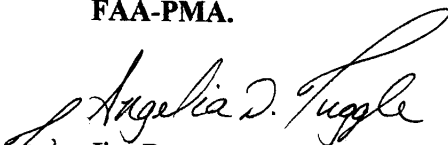
FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

**Aero Design, Inc.
385 Industrial Drive
Mt. Juliet, TN 37122**

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>FAA Approval Basis & Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Battery Pack	Battery Pack Assembly AD-3214-30	Airbus Industrie Battery Pack Assembly P/N: 3214-30 & P/N: 3214-31 Diehl Battery Pack Assembly P/N: 3214-30 & P/N: 3214-31	Test and Computations per 14 CFR Part 21.303 (c) 4, <u>Dwg No:</u> A-1221A, <u>Rev:</u> 5, <u>Date:</u> 08/12/02, or later FAA Approved Revision	Airbus Industrie Fairchild Dornier GmbH	A300, A310, A319, A320, A321, A330, A340 Do328-100 Series.

-END OF LISTING-

NOTE: Minor design changes (reference 14 CFR Part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.


For: Jim Reeves
Manager, Atlanta Manufacturing
Inspection District Office