AIRBUS INDUSTRIE PRODUCT SUPPORT DIRECTORATE 1 Rond Point Maurice BELLONTE 31707 BLAGNAC CEDEX FRANCE Tel: (33) 61-93-33-33 Telex: AIRBU 530526 F

SERVICE BULLETIN REVISION TRANSMITTAL SHEET

MODIFICATION NO: 22318K2371, 22319K2372

ATA SYSTEM: 21

TITLE: AIR CONDITIONING - CARGO COMPARTMENT HEATING - MODIFY HEATING CONTROLLERS 1HC AND 10HC

Herewith Revision No. 3 of Service Bulletin A320-21-1039. NO ADDITIONAL WORK IS REQUIRED BY THIS REVISION.

REASON

This Revision is issued to correct the effectivity.

CHANGES

SERVICE BULLETIN SUMMARY

- Page 1 of 2 - Para. EFFECTIVITY - corrected.

SERVICE BULLETIN

- Page 1 of 7 - Para.1.A.(2) - Effectivity corrected.

FILING INSTRUCTIONS

- Replace Service Bulletin Summary Page 1 of 2.
- Replace Service Bulletin Pages 1 of 7.
- File this Revision Transmittal Sheet in front of this Service Bulletin.

REVISION SEQUENCE

Original: Jul 24/91

Revision No: 1 - Sep 26/91 Revision No: 2 - Jul 8/93 Revision No: 3 - AUG 16/93

SERVICE BULLETIN NO: A320-21-1039

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This summary is for information only and is not approved for modification of the aircraft

MODIFICATION NO: 22318K2371, 22319K2372

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - CARGO COMPARTMENT HEATING - MODIFY HEATING

CONTROLLERS 1HC AND 10HC

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is published to advise operators of the issue of the BAVARIA AVIONIK TECHNOLOGIE GMBH (BAT) Service Bulletin 6000611-21-002 which deals with a modification to improve the Heating Controllers 1HC and 10HC Centralized Fault Display System (CFDS) messages.

EFFECTIVITY

This Service Bulletin is applicable to the following operators:

ANA, CDN, IBE, ITF, KAC, MSR, NWA, RJA, TAR, XZ.

This modification is embodied prior to delivery on:

ANA A/C MSN 245 and subsequent

CDN A/C MSN 231 and subsequent

IBE A/C MSN 224 partly (only Mod. No. 22318K2371)

and A/C MSN 240 and subsequent

ITF A/C MSN 211, 236 and subsequent

MSR A/C MSN 351 and subsequent

NWA A/C MSN 262 and subsequent

RJA A/C MSN 525

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None

REFERENCES/REPERCUSSIONS

TFU: 21.43.34.01

LIFE LIMIT: NONE

OEB: NONE

LINE MAINTENANCE AFFECTED: NO

AOT: NONE

SIL: NONE

NATURE OF MODIFICATION

AIRCRAFT: NO EQUIPMENT: YES HARDWARE: NO

SOFTWARE: YES

OBRM:

NO

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COMPLIANCE

Optional

MANPOWER

Per Heating Controller (on A/C only)

Total Manhours:

3.5

Elapsed time (hours):

3.5

MATERIAL INFORMATION

Aircraft Data

None

Equipment Data

Designation

: Heating Controller

Supplier

: Bavaria Avionik Technologie GmbH

Service Bulletin Part Number before : 600611-21-002 : 600611-00-504

Part Number after

Interchangeability Code: 02

: 600611-00-505

Intermixability

: No

APPENDICES

None

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SERVICE BULLETIN

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MODIFICATION NO: 22318K2371, 22319K2372

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - CARGO COMPARTMENT HEATING - MODIFY HEATING

CONTROLLERS, 1HC AND 10HC

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: 320-111, 320-211, 320-212, 320-231

(2) Aircraft

Customer and Fleet No.	MSN	Kit per A/C
ANA 001-009 CDN 401-403 IBE 001-012	138, 139, 148, 151, 167, 170, 196, 212, 219 174, 175, 210 134, 136, 143, 146, 158, 173, 176, 177, 199, 207, 223, 224	None None None
ITF 001-003 005-017	010, 012, 013, 016, 033, 036, 044, 004, 003, 108, 115, 130, 155, 156, 184, 214	None
ITF 201, 202 ITF 301 ITF 401	144, 145 204 215	None None None
KAC 001-003 MSR 001-005 NWA 301-320	181, 182, 195 165, 166, 178, 194, 198 031, 032, 034, 040, 041, 060, 106,	None None None
RJA 001,002 TAR 007 XZ 001-004	107, 118, 121, 125, 152, 153, 160, 171, 192, 197, 206, 208, 213 087, 088 123 131, 132, 189, 190	None None None

NOTE:

Mod. No. 22319K2372 is applicable to all operator's.

Mod. No. 22318K2371, for the heating controller 1 HC, is applicable to IBE only.

These modifications are embodied, prior to delivery, on:

ANA A/C MSN 245 and subsequent, CDN A/C MSN 231 and subsequent, IBE A/C MSN 224 partly (only Mod. No. 22318K2371) and A/C MSN 240 and subsequent, ITF A/C MSN 211, 236 and subsequent, MSR A/C MSN 351 and subsequent, NWA A/C MSN 262 and subsequent, RJA A/C MSN 525.

(3) Spares affected

Heating Controller P/N: 600611-00-504.

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SERVICE BULLETIN

B. REASON

(1) History

This Service Bulletin is published to advise operators of the issue of BAT Service Bulletin 600611-21-002.

(2) Objective/Action

The BAT Service Bulletin deals with a modification to improve the Centralized Fault Display System (CFDS) messages.

(3) Advantages

This modification improves the reliability of the information given by the CFDS.

The subsequent changes are included:

- (a) Failures Class 1, Class 2 recorded ON GROUND within the flight phases 1, 2 and 10 are no Longer displayed in the LAST LEG REPORT and in the PREVIOUS LEG REPORT.
- (b) Failures Class 1, Class 2 and Class 3 recorded ON GROUND are displayed in the GROUND REPORT.
- (c) Failures Class 3, recorded in flight are displayed in the LAST LEG CLASS 3 FAULT REPORT.
- (d) The ATA reference for 'NO DATA FROM CFDS' is now correct.
- (e) The DATE reference in the LAST LEG REPORT is now correct.
- (f) The validation time for the failure 'NO DATA FROM CFDS' is increased.
- (g) The failure display mode in the shop maintenance program is improved.
- (h) The controller assisted closing of the trim air valves, during the Power-up Test, is improved.
- (i) The BITE-Memory display in SHOP MAINTENANCE MODE is improved.

(4) Accomplishment Timescale

In accordance with the operator's timescale.

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C. DESCRIPTION

Accomplishment of the Service Bulletin consists of:

- (1) Removing the Heating Controllers, 1HC and 10HC.
- (2) Installing the modified Heating Controllers, 1HC and 10 HC.

D. APPROVAL

This Service Bulletin relates to the change(s) referenced on page 1 which has (have) been approved by the DGAC.
The technical information contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. C 01.

E. MANPOWER

This Service Bulletin may be accomplished in the following approximate manhours and elapsed time:

	Manhours/Aircraft
Gain access	1.0
Modification	0.5
Test	1.0
Close-Up Total manhours	1.0 3.5
Elapsed time (hours)	3.5

NOTE: This Service Bulletin assumes that the aircraft has been placed in a maintenance status. The manhours/elapsed time estimates do not include preparation for the modification, nonproductive elapsed time or administrative functions.

F. MATERIAL - COST AND AVAILABILITY

Terms of procurement are to be negotiated directly with Bavaria Avionik Technologie GmbH as per BAT Service Bulletin No. 600611-21-002.

G. TOOLING - PRICE AND AVAILABLITY

None

H. WEIGHT AND BALANCE

Not affected

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I. REFERENCES

BAVARIA AVIONIK TECHNILOGIE Service Bulletin No. 600611-21-002

Aircraft Maintenance Manual (AMM): 12-34-24, 21-43-00, 21-43-34, 52-10-00

J. PUBLICATIONS AFFECTED

Ilustrated Parts Catalog (IPC): 21-43-34, 21-43-08

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2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

- (1) Electrically ground the aircraft (Ref. AMM 12-34-24, P. Block 201).
- (2) Put access platforms in position.
- (3) Open a passenger/crew door (Ref. AMM 52-10-00, P. Block 201).
- (4) Open the access door 811.
- (5) Open, safety and tag these circuit breakers:

PANEL	SERVICE	IDENT.	LOCATION
49VU	AIR COND/AFT CARGO/VENT & HTG/CTL & MONG	31HN	C07
49VU	AIR COND/FWD CARGO/VENT & HTG/CTL & MONG	2HN	C08

B. MODIFICATION

- (1) Remove the heating controllers, 1HC and 10HC, Part No. 600611-00-504 (Ref. AMM 21-43-34, P. Block 401) and modify as per BAT Service Bulletin No. 600611-21-002.
- (2) Install the modified controllers 1HC and 10HC, Part No. 600611-00-505 (Ref. AMM 21-43-34, P. Block 401).

C. TEST

(1) Do an operational test of the cargo compartment heating system (Ref. AMM 21-43-00, P. Block 501).

D. CLOSE-UP

- (1) Make sure that the working area is clean and clear of tools and other items of equipment.
- (2) Close the passenger/crew door.
- (3) Close the access door 811.
- (4) Remove the access platforms.

E. DOCUMENTATION

Record the accomplishment of this Service Bulletin in the relevant Aircraft technical records.

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3. MATERIAL INFORMATION

Refer to BAT Service Bulletin No. 600611-21-002.

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Printed in France

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MODIFICATION NO: 22318K2371, 22319K2372 ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - CARGO COMPARTMENT HEATING - MODIFY HEATING

CONTROLLERS 1HC AND 10HC

IS BEING HEREWITH SUBMITTED TO YOU FOR REVIEW

Please fill:

... REJECTED

... WILL BE EMBODIED

... EFFECTIVITY

This SB can only be incorporated in your ''customized'' documentation within the agreed time schedule in so far as this sheet is returned to us on purchase date and signed by a duly authorized and empowered officer or representative.

FROM :	Please return to :
AIRLINE :	AIRBUS INDUSTRIE
• • • • • • • • • • • • • • • • • • • •	PRODUCT SUPPORT DIRECTORATE
	1 Rond Point Maurice BELLONTE
NAME :	31707 BLAGNAC CEDEX FRANCE
• • • • • • • • • • • • • • • • • • • •	Att.: AI/SP - Technical Publications Department
DATE:	bepar emeric
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