AIRBUS INDUSTRIE PRODUCT SUPPORT DIRECTORATE 1 Rond Point Maurice BELLONTE 31707 BLAGNAC CEDEX FRANCE

GA320

Tel: (33) 61-93-33-33 Telex: AIRBU 530526 F

SERVICE BULLETIN CHANGE NOTICE

S.B. No. A320-21-1036

REV. 2

DATED: Apr 11/91

Mod. No. 22327K2383

TITLE: AIR CONDITIONING - PRESSURE CONTROL MONITORING - MODIFY THE

CABIN PRESSURE CONTROLLERS 11HL AND 12HL FROM STANDARD 6 TO

STANDARD 7

MODEL: All models listed in S.B.

DESCRIPTION

This notice is issued to inform the affected operators that subject Service Bulletin is to be changed as stated below:

Service Bulletin

On page 3, Para. 1. F. MATERIAL COST AND AVAILABILITY

From:

F. MATERIAL - COST AND AVAILABILITY

Terms of procurement are to be negotiated directly directly with NORD-MICRO as per NORD-MICRO Service Bulletin No. 15702-21-003.

To:

F. MATERIAL - COST AND AVAILABILITY

(1) Material

Terms of procurement are to be negotiated directly with NORD-MICRO as per NORD-MICRO Service Bulletin No. 15702-21-003.

(2) Cost and availability

Free of charge.

This change will be incorporated in the next revision of this Service Bulletin, however no revision is planned at the present time.

> SERVICE BULLETIN NO: A320-21-1036 CHANGE NOTICE NO: 2A

DATE: JAN 14/93

AIRBUS INDUSTRIE PRODUCT SUPPORT DIRECTORATE 1 Rond Point Maurice BELLONTE 31707 BLAGNAC CEDEX FRANCE

Tel: (33) 61-93-33-33

SERVICE BULLETIN **REVISION TRANSMITTAL SHEET**

Telex: AIRBU 530526 F

MODIFICATION NO: 22327K2383

ATA SYSTEM: 21

TITLE: AIR CONDITIONING - PRESSURE CONTROL MONITORING - MODIFY THE CABIN PRESSURE

CONTROLLERS 11HL AND 12HL FROM STANDARD 6 TO STANDARD 7

Herewith Revision No. 2 of Service Bulletin A320-21-1036.

NO ADDITIONAL WORK IS REQUIRED BY THIS REVISION.

REASON

This Revision is issued to revise the effectivity of this Service Bulletin.

CHANGES

Summary:

- Page 1 of 2

Para. EFFECTIVITY - Embodiment point revised.

Service Bulletin:

- Page 1 of 7 and 2

Para. EFFECTIVITY - Effectivity revised.

FILING INSTRUCTIONS

- Replace Summary page 1 of 2.

- Replace Service Bulletin pages 1 of 7 and 2.

- File this Revision Transmittal Sheet in front of this Service Bulletin.

REVISION SEQUENCE

Original: Feb 01/91

Revision No.: 1 - Mar 12/91 Revision No.: 2 - APR 11/91

SERVICE BULLETIN NO: A320-21-1036

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tol: (33) 61-93-33-33

SERVICE BULLETIN SUMMARY

Tel: (33) 61-93-33-33 Telex: AIRBU 530526 F

This summary is for information only and is not D.G.A.C. approved for modification of the aircraft

MODIFICATION NO: 22327K2383

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - MODIFY THE CABIN PRESSURE CONTROLLERS 11HL AND 12HL FROM STANDARD 6 TO STANDARD 7

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is published to advise operators of the issue of the NORD-MICRO Service Bulletin 15702-21-003 which deals with a modification of the cabin pressure controllers 11HL and 12HL by introducing additional software functions. These functions are to tolerate external failures of connected systems such as FMS, ADIRS, LGCIU and EIU.

EFFECTIVITY

This Service Bulletin is applicable to the following operators:

AAA, ACA, ADR, AFR, AMC, ANA, BAW, CDN, CYP, DLH, HP, IAC, IBE, ITF, MSR, NWA, OYC, RJA, TAR, XP and XZ.

This modification is embodied, prior to delivery, on A/C MSN 203 and subsequent.

NOTE: It is acceptable to operate with a mixed configuration of pre-mod (P/N 9022-15702-6) and post-mod (P/N 9022-15702-7) NORD-MICRO pressure controllers.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None

REFERENCES/REPURCUSSIONS

TFU: 21.31.00.09

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

6 DATE: Mar 12/91

REVISION NO: 2 - APR 11/91

SERVICE BULLETIN NO: A320-21-1036



COMPLIANCE

Recommended

MANPOWER

Per Pressure Controller (on A/C only)

3.25 Total Manhours: 3.25 Elapsed Time (hours):

MATERIAL INFORMATION

Aircraft Data

None

Equipment Data

Designation : Cabin Pressure Controller

: Nord-Micro Supplier Service Bulletin : 15702-21-003 Part Number before : 9022-15702-6 Part Number after : 9022-15702-7

Interchangeability Code: 02 Intermixability : Yes

APPENDICES

None

SERVICE BULLETIN NO: A320-21-1036 **DATE:** Feb 01/91 **REVISION NO:**

PAGE: 2 of 2

AIRBUS INDUSTRIE PRODUCT SUPPORT DIRECTORATE 1 Rond Point Maurice BELLONTE SA320 31707 BLAGNAC CEDEX FRANCE SERVICE BULLETIN



Tel: (33) 61-93-33-33 Telex: AIRBU 530526 F

MODIFICATION NO: 22327K2383

ATA SYSTEM: 21

T I T L E: AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - MODIFY THE CABIN PRESSURE CONTROLLERS 11HL AND 12HL FROM STANDARD 6 TO STANDARD 7

1. PLANNING INFORMATION

A. EFFECTIVITY

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

	Customer and Fleet No.	MSN	Qty of Kits 211036
	AAA 001-011	022, 023, 024, 025, 026, 027, 029, 030, 140, 142, 157	None
	ACA 201-213	059, 068, 073, 084, 122, 126, 127, 141, 149, 150, 154, 159, 183	None
	ADR 001-005	043, 113, 114, 185, 191	None
	AFR 001, 002	005, 007	None
_	004-008	014, 019, 020, 021, 002	
	031-042	061, 062, 063, 100, 101, 102, 128,	
		129, 133, 186, 187, 188	
	AMC 001	112	None
	ANA 001-007	138, 139, 148, 151, 167, 170, 196	None
	BAW 001-010	006, 008, 011, 017, 018, 039, 042, 103, 109, 120	None
	CDN 401, 402	174, 175	None
•	CYP 001-005	028, 035, 037, 038, 180	None
	DLH 001-024	069, 070, 071, 072, 078, 083, 086,	None
•		093, 094, 104, 105, 110, 111, 116,	
		117, 135, 137, 147, 161, 162, 172,	
•		200, 201, 202	
f	HP 620-622	052, 053, 054,	None
	624-629	055, 064, 065, 066, 067, 076,	
Ħ	631-637	077, 081, 082, 091, 092, 098, 099	
	IAC 001-012	045, 046, 047, 048, 049, 050, 051,	None
		056, 057, 058, 074, 075	-
	014-019	080, 089, 090, 095, 096, 097	
	IBE 001-009	134, 136, 143, 146, 158, 173, 176, 177, 199	None

6 DATE: Mar 12/91

REVISION NO: 2 - APR 11/91

SERVICE BULLETIN NO: A320-21-1036



	Customer and Fleet No.	MSN Qty of Kits 211036
	ITF 001-016	010, 012, 013, 015, 016, 033, 036, None
-		044, 004, 003, 108, 115, 130, 155,
		156, 184
-	MSR 001-005	165, 166, 178, 194, 198 None
	NWA 301-317	031, 032, 034, 040, 041, 060, 106, None
-		107, 118, 121, 125, 152, 153, 160,
		171, 192, 197
-	OYC 001-006	163, 164, 168, 169, 179, 193 None
	RJA 001-006	087, 088, 123, 181, 182, 195 None
	TAR 001-002	119, 124 None
<u> </u>	XP 001	085 None
	XZ 001-004	131, 132, 189, 190 None
	201, 202	144, 145
	This modification	n is embedied union to delivery on A/C MSN 203 and subsequent

This modification is embodied, prior to delivery, on A/C MSN 203 and subsequent.

NOTE: It is acceptable to operate with a mixed configuration of pre-mod (P/N 9022-15702-6) and post-mod (P/N 9022-15702-7) NORD-MICRO pressure controllers.

(3) Spares affected

NORD-MICRO Pressure Controllers, P/N 9022-15702-6.

B. REASON

(1) History

This Service Bulletin is published to advise operators of the issue of NORD-MICRO Service Bulletin 15702-21-003.

(2) Objective/Action

The NORD-MICRO Service Bulletin deals with a modification of the cabin pressure controllers by introducing additional software functions.

(3) Advantages

These improved software functions are to tolerate external failures of connected systems such as FMS, ADIRS, LGCIU and EIU.

(4) Accomplishment Timescale

In accordance with operator's maintenance planning.

DATE: Mar 12/91

REVISION NO: 2 - APR 11/91

SERVICE BULLETIN NO: A320-21-1036
PAGE: 2

Printed in France

SERVICE BULLETIN

C. DESCRIPTION

Accomplishment of this Service Bulletin consists of:

- (1) Removing the cabin pressure controllers 11HLand 12HL.
- (2) Modifying the cabin pressure controllers in accordance with NORD-MICRO Service Bulletin 15702-21-003.
- (3) Installing the modified cabin pressure controllers.
- (4) Doing a test of the cabin pressure controller.

D. APPROVAL

This Service Bulletin is approved by Direction Generale de l'Aviation Civile - France (D.G.A.C.).

E. MANPOWER

	Manhours per Controller	
	Aircraft	Bench
Gain Access	1.00	
Modification	0.25	Ref. NORD-MICRO Service Bulletin No. 15702-21-003
Test	1.00	
Close-Up Total Manhours	1.00 3.25	
Elapsed Time (hours)	3.25	

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 NORD-MICRO per NORD-MICRO Service Bulletin No. 15702-21-003.

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

Not Affected

DATE: Feb 01/91 REVISION NO:

SERVICE BULLETIN NO: A320-21-1036
PAGE: 3



I. REFERENCES

NORD-MICRO Service Bulletin No. 15702-21-003

Aircraft Maintenance Manual 12-34-24, 21-31-00, 21-31-34

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog 21-31-08, 21-31-34

DATE: Feb 01/91 REVISION NO:

SERVICE BULLETIN NO: A320-21-1036
PAGE: 4

Printed in France

SERVICE BULLETIN

2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

(1) Electrically ground the aircraft (Ref. AMM 12-34-24, P. Block 201).

B. MODIFICATION

- ·(1) Remove the cabin pressure controllers 11HL and 12HL (Ref. AMM 21-31-34, P. Block 401).
- (2) Do the modification to the cabin pressure controllers (Ref. NORD-MICRO Service Bulletin 15702-21-003).
- (3) Install the cabin pressure controllers (Ref. AMM 21-31-34, P. Block 401).

NOTE: It is permitted to operate with a mixed configuration of pre-mod (P/N 9022-15702-6) and post-mod (P/N 9022-15702-7) NORD-MICRO controllers.

C. TEST

(1) Do an operational test of the pressure control and monitoring system (Ref. AMM 21-31-00, P. Block 501).

D. CLOSE-UP

(1) Make sure that the working area is clean and clear of tools and other items of equipment.

DATE: Feb 01/91 REVISION NO:

SERVICE BULLETIN NO: A320-21-1036
PAGE: 5/6

Printed in France



3. MATERIAL INFORMATION

Refer to NORD-MICRO Service Bulletin No. 15702-21-003.

DATE: Feb 01/91 REVISION NO:

SERVICE BULLETIN NO: A320-21-1036
PAGE: 7

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MODIFICATION No.22327K2383

ATA SYSTEM : 21

TITLE :AIR CONDITIONING - PRESSURE CONTROL AND MONITORING - MODIFY THE CABIN PRESSURE CONTROLLERS 11HL AND 12HL FROM STANDARD 6 TO STANDARD 7

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: AIRLINE : NAME : DATE:

Please return to:

AIRBUS SUPPORT DIRECTORATE

BP No. 33 31707 BLAGNAC CEDEX FRANCE

Att.: AI/S - Technical Publications Department

DATE : Feb 01/91

SERVICE BULLETIN No. A320-21-1036

REVISION No. :