

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
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31707 BLAGNAC CEDEX FRANCE
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SERVICE BULLETIN CHANGE NOTICE

S.B. No. A320-21-1023 REV.

DATED : Sep 25/89

MOD. No. 21688P01857

TITLE : AIR CONDITIONING - IMPROVED ADIRU DRAINAGE.

MODEL : All models listed on S.B.

DESCRIPTION :

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

SERVICE BULLETIN SUMMARY

Page 1 of 3 - Para. EFFECTIVITY deleted operator BNF
added operator HP

Should read :

This modification is embodied prior to delivery on
A/C MSN 002, 085 and subsequent.

SERVICE BULLETIN

Page 1 of 9 - Para.1.A.(2) A/C MSN 002 and 079 deleted,
customer BNF becomes HP

Page 2 - Should read :

This modification is embodied prior to delivery on A/C
MSN 002, 085 and subsequent.

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

FILING INSTRUCTIONS

File this Change Notice in front of the Service Bulletin.

SERVICE BULLETIN No. : A320-21-1023

5 DATE : May 29/91

CHANGE NOTICE No. : O.A.

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

MODIFICATION No. 21688/P01857

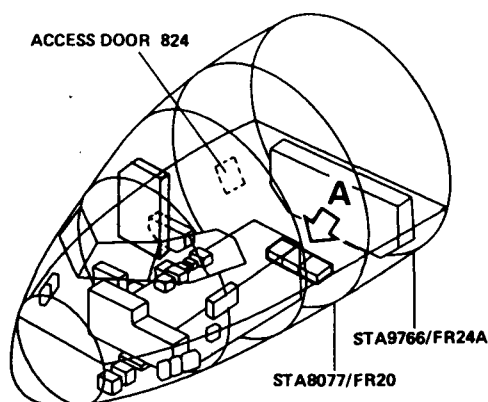
ATA SYSTEM : 21

TITLE : AIR CONDITIONING - IMPROVE ADIRU DRAINAGE

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Water was found on the lower plate of the ADIRUs support. This water comes from the avionics equipment ventilation system in ground configuration during rainy weather (air taken from outside the aircraft) and can collect under the ADIRUs, sometimes leading to ADIRU malfunctions.

Therefore, this Service Bulletin recommends drilling 2 holes in the lower plate of the ADIRUs support.



EFFECTIVITY

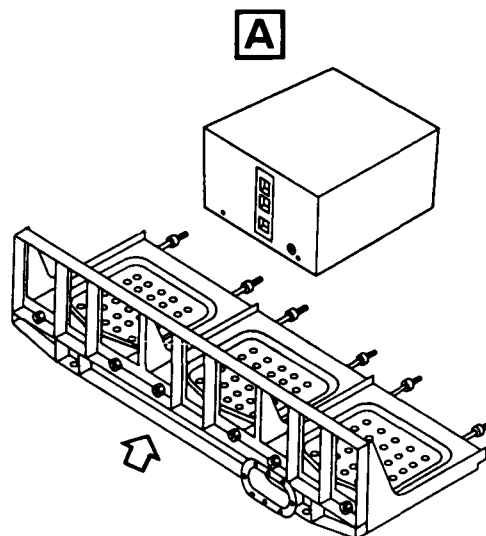
This Service Bulletin is applicable to the following operators :

AAA, ACA, ADR, AFR, BAW, BNF, CYP, DLH, IAC, ITF, NWA.

This modification is embodied prior to delivery on A/C MSN 085 and subsequent.

SERVICE BULLETIN/MODIFICATION TO
BE ACCOMPLISHED PREVIOUSLY OR
SIMULTANEOUSLY

None.



SERVICE BULLETIN SUMMARY**REFERENCES/REPERCUSSIONS**

TFU : 21-26-43-01

LIFE LIMIT : None

OEB Added : None

LINE MAINTENANCE AFFECTED

Cancelled : None

No

AOT : None

SIL : None

OTHERS : None

NATURE OF THE MODIFICATION

AIRCRAFT : Yes

EQUIPMENT : No

HARD : No

SOFT : No

OBRM : No

COMPLIANCE

Recommended

MANPOWER

Manhours : 2

Elapsed Time (hours) : 2

DATE : Sep 25/89

SERVICE BULLETIN No. : A320-21-1023

REVISION No. :

PAGE : 2 of 3

SERVICE BULLETIN SUMMARY**MATERIAL INFORMATION****Aircraft Data**

None

Equipment Data

None

APPENDICES

None.

DATE : Sep 25/89

SERVICE BULLETIN No. : A320-21-1023

REVISION No. :

PAGE : 3 of 3

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SERVICE BULLETIN

MODIFICATION No. 21688/P01857

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - IMPROVED ADIRU DRAINAGE.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft models : 320-111, 320-211, 320-231

(2) Aircraft

Customer and Fleet No.	MSN	Qty of kits None
AAA 001-008	022-027, 029, 030	
ACA 201-204	059, 068, 073, 084	
ADR 001	043	
AFR 001,002 004-008 031-033	005, 007 014, 019-021, 002 061-063	
BAW 001-007	006, 008, 011, 017, 018, 039, 042	
BNF 901-912	052-055, 064-067, 076, 077, 081, 082	
CYP 001-004	028, 035, 037, 038	
DLH 001-006	069-072, 078, 083	
IAC 001-014	045-051, 056-058, 074, 075, 079, 080	
ITF 001-010	010, 012, 013, 015, 016, 033, 036, 044, 004, 003	

5 DATE : Sep 25/89

SERVICE BULLETIN No. : A320-21-1023

REVISION No. :

PAGE : 1 of 9

SERVICE BULLETIN

Customer and Fleet No.	MSN	Qty of kits None
NWA 301-306	031, 032, 034, 040, 041, 060	

This modification is embodied prior to delivery on A/C MSN 085 and subsequent.

(3) Spares

None.

B. REASON

Water was found on the lower plate of the ADIRUs support. This water comes from the avionics equipment ventilation system in ground configuration during rainy weather (air taken from outside the aircraft) and can collect under the ADIRUs, sometimes leading to ADIRU malfunctions.

Therefore, this Service Bulletin recommends drilling 2 holes in the lower plate of the ADIRUs support.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists in carrying out the following jobs on the aircraft :

In zones 127 and 128, between FR20 and FR24A,

- (1) Removing 1 ADIRU3 1FP3 and 1 diaphragm for access.
- (2) Marking and drilling 2 holes in the lower plate of the ADIRUs support.
- (3) Installing the diaphragm and the ADIRU.

D. APPROVAL

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

DATE : Sep 25/89

SERVICE BULLETIN No. : A320-21-1023

REVISION No. :

PAGE : 2

SERVICE BULLETIN

E. MANPOWER

	<u>Manhours</u>
Removal of the ADIRU 1FP3	0.5
Drilling of two holes and protection of the lower plate	0.5
Installation of the diaphragm and the ADIRU 1FP3	0.5
Test	0.5
TOTAL MANHOURS	<hr/> 2
ELAPSED TIME (hours)	2

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, non-productive elapsed time, or administrative functions.

F. MATERIAL - COST AND AVAILABILITY

None.

G. TOOLING - PRICE AND AVAILABILITY

None.

H. WEIGHT AND BALANCE

None.

I. REFERENCES

Aircraft Maintenance Manual : 06-41-52, 12-34-24, 24-41-00, 34-12-34,
51-23-11

Consumable Material List

J. PUBLICATIONS AFFECTED

None.

DATE : Sep 25/89

SERVICE BULLETIN No. : A320-21-1023

REVISION No. :

PAGE : 3-4

SERVICE BULLETIN

2. ACCOMPLISHMENT INSTRUCTIONS**A. GENERAL****(1) Preparation**

(a) De-energize the aircraft electrical circuits
(Ref. AMM 24-41-00, P. Block 201) and electrically ground
the aircraft (Ref. AMM 12-34-24, P. Block 201).

(b) Put the access platform in position.

(c) Open the access door 824 (Ref. AMM 06-41-52).

(2) Standard procedures

(a) To clean the work area with Material No. 11-003 (Ref. CML).

(b) After the drilling, deburr the holes and renew the
protective finish (Ref. AMM 51-23-11) with Materials
No. 13-002, 16-001 and 16-002 (Ref. CML).

B. MODIFICATION

In zones 127 and 128, between FR20 and FR24A,

Drill 2 drainage holes in the lower plate of the ADIRUs support.

Refer to Figure 1

(1) Remove the ADIRU 1FP3 and the diaphragm for access**(a) Remove :**

1 ADIRU3 1FP3 Item (1) (retained)
(Ref. AMM 34-12-34, P. Block 401)

(b) Remove :

1 diaphragm Item (2) (retained)

NOTE : Re-use the attachment hardware.

SERVICE BULLETIN

- (2) Drill 2 holes in the lower plate.
 - (a) Mark and drill 2 holes 10 mm (0.39 in.) dia.
 - (b) Clean the work area with Material No. 11-003 (Ref. CLM).
 - (c) After the drilling, deburr the holes and renew the protective finish (Ref. AMM 51-23-11) with Materials No. 13-002, 16-001 and 16-002 (Ref. CML).

NOTE : If necessary, to allow the swarf to be collected after drilling the holes remove the ADIRU's 1FP1 and 1FP2.

- (3) Identify the modified items :

D9241000620000 becomes D9241000620200
D9241000000000 becomes D9241000000100

- (4) Install the diaphragm and the ADIRU 1FP3

- (a) Install :

1 diaphragm Item (2) (retained at removal)

with the hardware retained at removal.

- (b) Install :

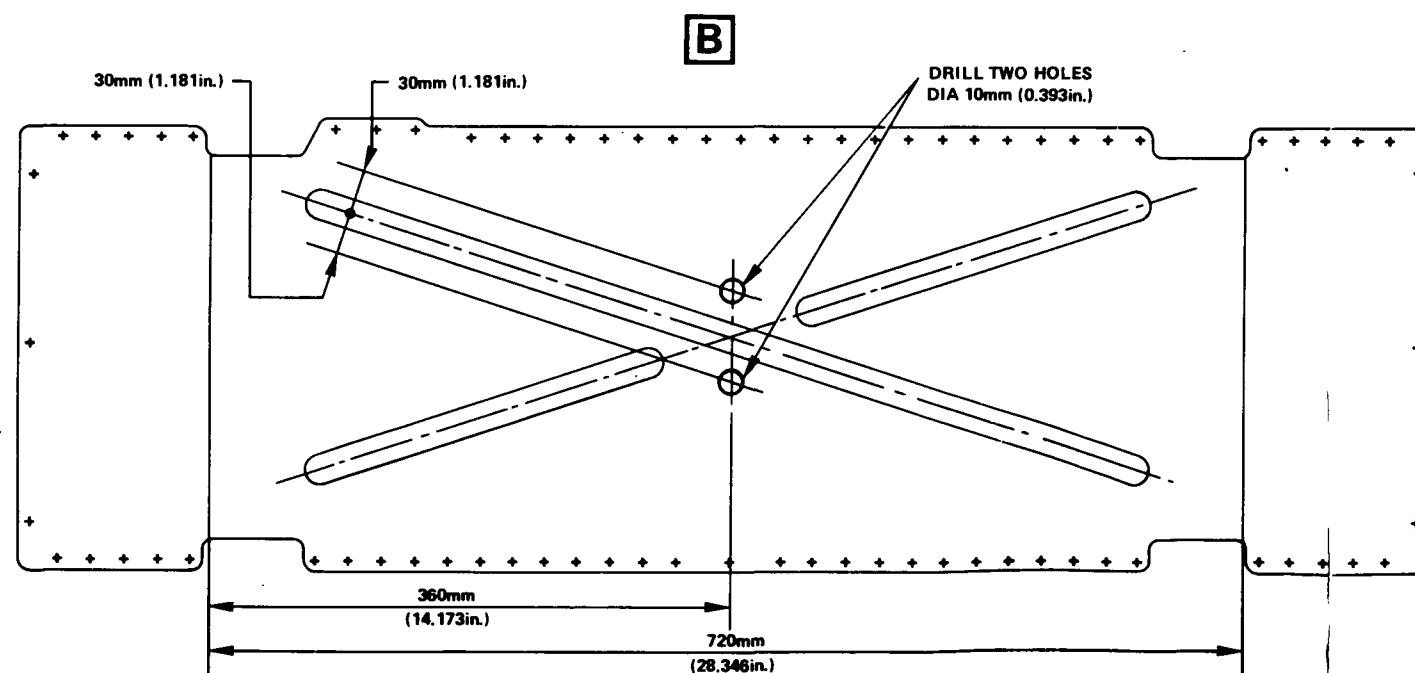
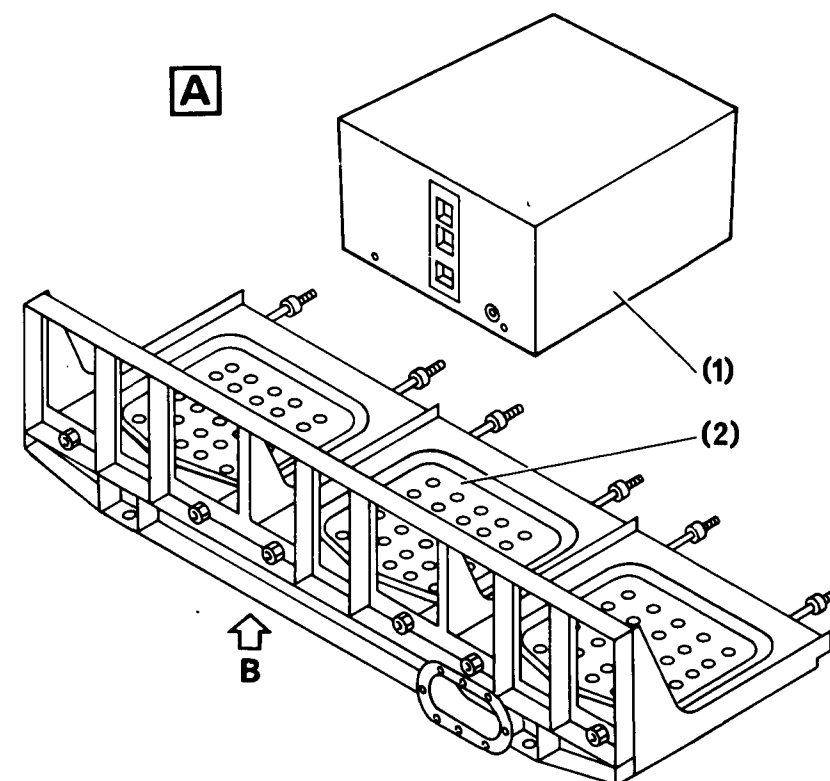
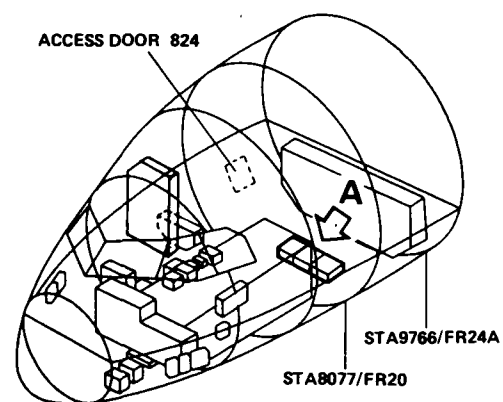
1 ADIRU3 1FP3 Item (1) (retained at removal)
(Ref. AMM 34-12-34, P. Block 401)

C. TEST

Test after the removal/installation of the ADIRUs.
(Ref. AMM 34-12-34, P. Block 401)

D. CLOSE-UP

- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Close the access door 824 (Ref. AMM 06-41-52).
- (3) Disconnect the aircraft electrical ground connection (Ref. AMM 12-34-24, P. Block 201).
- (4) Remove the access platforms.



Drilling of 2 Drainage Holes in Lower Plate of ADIRUs Support
Figure 1

3. MATERIAL INFORMATION

A. LIST OF COMPONENTS

ITEM	NEW PART No.	QTY	DESCRIPTION	ITEM	OLD PART No.	IN	INSTRUCTIONS/ DISPOSITION
			None				

B. SPECIAL TOOLS

None.

C. LIST OF MATERIALS - OPERATOR SUPPLIED

DESCRIPTION	REFERENCE CML	QTY PER A/C
Methylethyl-Ketone	Mat. No. 11-003	As required
MIL-C-5541	Mat. No. 13-002	As required
N-53631/5/062	Mat. No. 16-001	As required
F-407-729	Mat. No. 16-002	As required

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

ITEM	NEW PART No.	QTY	DESCRIPTION	ITEM	OLD PART No.	IN	INSTRUCTIONS/ DISPOSITION
	D9241000620200	1	Lower Plate		D9241000620000		
	D9241000000100	1	Mount assy - ADIRU		D9241000000000		

DATE : Sep 25/89
REVISION No. :

SERVICE BULLETIN No. : A320-21-1023

PAGE : 9

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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 :

..... 19..

Please return to :

AIRBUS INDUSTRIE
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1, Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX
FRANCE

Att. : AI/SP - Technical Publications
Department

5 DATE : Sep 25/89

SERVICE BULLETIN No. : A320-21-1023

REVISION No. :

PAGE : 1 of 1