

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 CHANGE NOTICE

S.B. No. A320-21-1013 REV.

DATED : Nov 04/88

MOD. No. 21110/P1441

TITLE : AIR CONDITIONING - COCKPIT VENTILATION INSTALL A GRILL IN AIRDUCT.

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

Page 3-4 - Para. 1.F.(2) Cost and Availability

Read : Free of charge

Instead of : 106 US Dollars.

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. : A320-21-1013

5 DATE : Aug 21/92

CHANGE NOTICE No. : 0.B.

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SERVICE BULLETIN CHANGE NOTICE

S.B. No. A320-21-1013  
Mod. No. 21110/P1441

REV.

DATED : Nov 04/88

TITLE : AIR CONDITIONING - COCKPIT VENTILATION INSTALL A GRILL IN AIR DUCT.

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 1 Para. REASON : Should read : These ice chips...  
Instead of : Whese ice chips...  
Para. EFFECTIVITY : Deleted operator ACA.

SERVICE BULLETIN

Page 1 of 9 Para. 1.A.(2) : aircraft listed below are no longer validated :  
ACA 201, 202 059, 068  
AFR 031-033 061-063  
NWA 306 060  
PAA 407-410 064-067  
Should read : This modification is embodied  
prior to delivery on A/C MSN 059 and  
subsequent

Page 2 Para. 1.B. REASON Should read : These ice chips...  
Instead of : whese ice chips...

Page 3-4 Para. 1.F.(2) : Should read :  
Kit Cost Availability \*  
(US Dollars)

A320211013A01	106.00	120
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\* Calendar days from receipt of order.

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

FILING INSTRUCTION

File this Change Notice in front of the Service Bulletin.

SERVICE BULLETIN No. : A320-21-1013

5 DATE : Feb 13/89

CHANGE NOTICE No. : 0.A.

AIRBUS INDUSTRIE  
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1 Rond Point Maurice BELLONTE  
31707 BLAGNAC CEDEX FRANCE SERVICE BULLETIN SUMMARY  
Tel : (33) 61-93-33-33  
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This summary is for information only and is not DGAC approved for  
modification of the aircraft.

MODIFICATION No. 21110/P1441

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT VENTILATION INSTALL A GRILL IN AIRDUCT.

REASON

Prevent projection of ice particles through the flight deck outlets. Whese ice chips are generated by the air conditioning packs and should be melted within the mixing unit. With existing system configuration some ice particles are not completely melted and can reach the flight deck air distribution outlets.

This Service Bulletin proposes the installation of a stopping grill at the outlet of the flight deck air conditioning duct at FR34.

ACTION

In zone 131 between STA1430/FR33 and STA1483/FR34, installation of a grill stopping ice particles at end of flight compartment air conditioning duct.

EFFECTIVITY

This Service Bulletin is applicable to the following operators :  
AAA, ACA, AFR, BCA, CYP, IAA, IAC, ITF, NWA, PAA.

COMPLIANCE

Desirable.

MANPOWER

Total manhours	2.5
Elapsed Time (Hours)	2.5

MATERIAL INFORMATION

Quantity per A/C :

1 grill

5 DATE : Nov 04/88

SERVICE BULLETIN No. : A320-21-1013

REVISION No.

PAGE : 1 of 1

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SERVICE BULLETIN

MODIFICATION No. 21110/P1441

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - COCKPIT VENTILATION INSTALL A GRILL IN AIRDUCT.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models : 320-111, 320-211, 320-231\*.

NOTE : Aircraft with asterisk are not certified at the issue date of this Service Bulletin.

(2) Aircraft

Customer and Fleet No.	MSN	Qty of Kits A320211013A01
AAA 001-008	022-027, 029, 030	8
ACA 202, 203	059, 068	2
ADR 001	043	1
AFR 001, 002 004-007 031-033	005, 007 014, 019-021 061-063	9
BCA 001-007	006, 008, 011, 017, 018, 039, 042	7
CYP 001-004	028, 035, 037, 038	4
IAC 001-010	045-051, 056-058	10
ITF 001-010	010, 012, 013, 015, 016, 033, 036, 044, 004, 003	10
NWA 301-306	031, 032, 034, 040, 041, 060	6
PAA 401, 403 405-410	052, 053 054, 055, 064-067	8

This modification is embodied prior to delivery on A/C MSN 069 and subsequent.

5 DATE : Nov 04/88

SERVICE BULLETIN No. : A320-21-1013

REVISION No.

PAGE : 1 of 9

## SERVICE BULLETIN

(3) Spares

None.

**B. REASON**

Prevent projection of ice particles through the flight deck outlets. Whese ice chips are generated by the air conditioning packs and should be melted within the mixing unit. With existing system configuration some ice particles are not completely melted and can reach the flight deck air distribution outlets.

This Service Bulletin proposes the installation of a stopping grill at the outlet of the flight deck air conditioning duct at FR34.

**C. DESCRIPTION**

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

In zone 131 between STA1430/FR33 and STA1483/FR34, installation of a grill stopping ice particles at end of flight compartment air conditioning duct.

**D. APPROVAL**

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

**E. MANPOWER**

	<u>Manhours</u>
Gain access	0.5
Modification	1.5
Close-up	0.5
<hr/>	
TOTAL MANHOURS	2.5
ELAPSED TIME (HOURS)	2.5

**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, non-productive elapsed time or administrative functions.

## SERVICE BULLETIN

**F. MATERIAL - COST AND AVAILABILITY****(1) Material**

Operators with aircraft listed under paragraph 1.A.(2) above should submit purchase orders quoting this Service Bulletin to :

AIRBUS INDUSTRIE  
SPARES SUPPORT CENTER  
WEG BEIM JAEGER 150  
D2000 HAMBURG  
GERMANY

**(2) Cost and Availability**

Kit	Cost (US Dollars)	Availability *
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A320211013A01 Information will be included when available

\* Calendar days from receipt of order.

NOTE : Sales terms (cost and availability) are evaluated with respect to economic conditions at the issue date of this Service Bulletin.

A discount of ten (10) per cent will be accorded to all orders received within a period of 120 days from the original issue date of this Service Bulletin.

**G. TOOLING - PRICE AND AVAILABILITY**

None.

**H. WEIGHT AND BALANCE**

None.

**I. REFERENCES**

Aircraft Maintenance Manual : 06-41-53, 12-34-24, 20-31-00, 24-41-00, 52-30-00.

**J. PUBLICATION AFFECTED**

Illustrated Parts Catalog : 21-21-02.

DATE : Nov 04/88

SERVICE BULLETIN No. : A320-21-1013

REVISION No.

PAGE : 3-4

## SERVICE BULLETIN

**2. ACCOMPLISHMENT INSTRUCTIONS****A. GENERAL**

Accomplishment of this Service Bulletin includes the following operations :

(1) Job Set-up

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

(b) Position access platform.

(c) Open the forward cargo compartment door 825 (Ref. AMM 52-30-00, P. Block 201).

(d) Remove sidewall panels 131MW, 131PW.  
(Ref. AMM 06-41-53).

(2) Standard practices

Clean working area using Mat. No. 11-003  
(Ref. AMM 20-31-00).

**B. MODIFICATION**

Ref. Fig. 1

In forward cargo compartment, in zone 131 between STA1430/FR33 and STA1483/FR34, installation of a grill at end of flight compartment air conditioning duct.

(1) Remove clamps and flexible sleeves between ducts Items (3) and (4).

NOTE : Clamps and flexible sleeves shall be re-used.

(2) Install grill on duct Item (3).

Position on Item (3) :

1 grill D2121113100000 Item 1

DATE : Nov 04/88

SERVICE BULLETIN No. : A320-21-1013

REVISION No.

PAGE : 5

## SERVICE BULLETIN

Matchdrill to 2.4 mm (0.094 in.) dia., countersink and attach with :

3 rivets ASNA2051DCJ02412 Item 2.

- (3) On ducts Items (3) and (4), install clamps and flexible sleeves retained during removal.
- (4) Part Number of Modified Item  
D2121031500000 becomes D2121031500200.
- (5) Install sidewall Panels 131MW, 131PW (Ref. AMM 06-41-53).

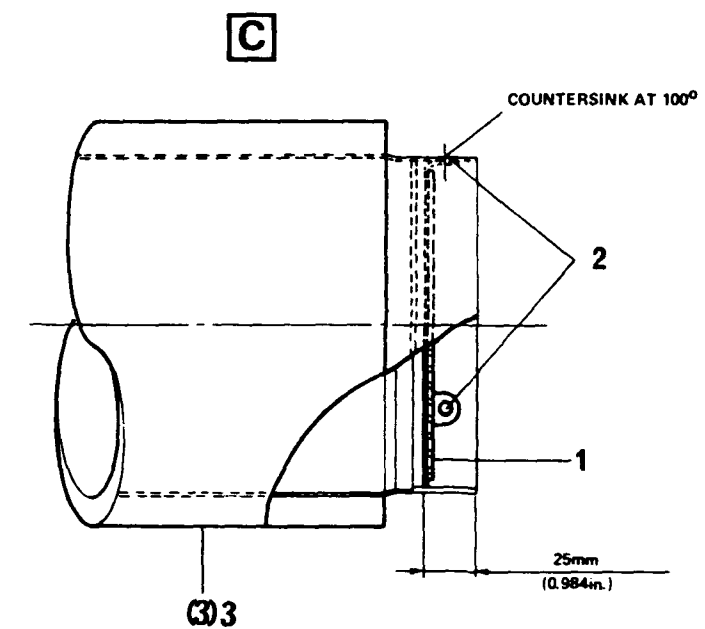
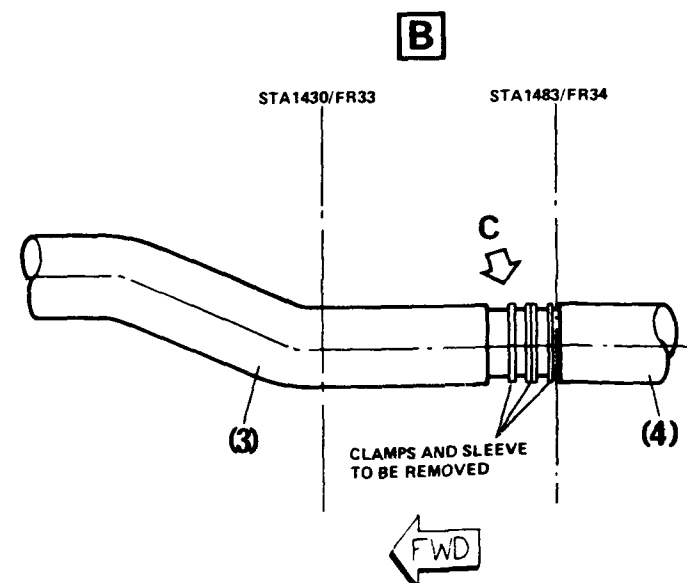
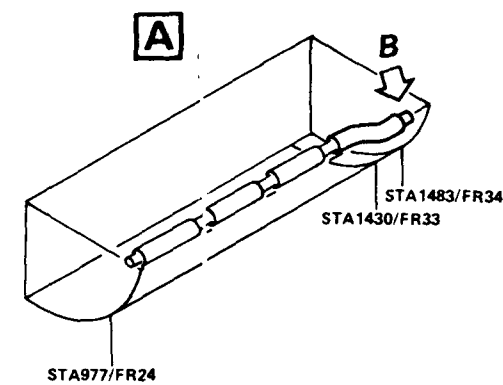
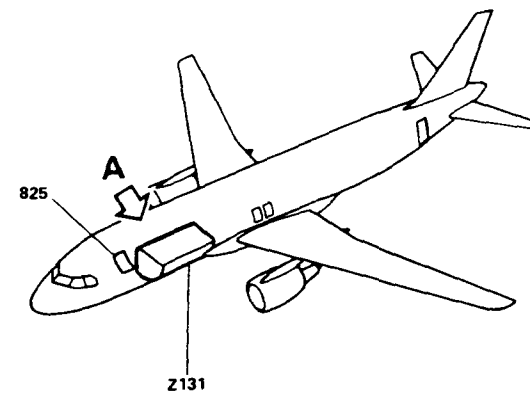
C. TEST

None.

D. CLOSE-UP

Close the forward cargo compartment door 825 (Ref. AMM 52-30-00, P. Block 201).





Installation of Grill  
Figure 1

DATE : Nov 04/88

SERVICE BULLETIN No. : A320-21-1013

REVISION No.

PAGE : 7-8

### 3. MATERIAL INFORMATION

#### A. LIST OF COMPONENTS

I T E M	NEW PART No.	QTY	DESCRIPTION	I T E M	OLD PART No.	I N T	INSTRUCTIONS/ DISPOSITION
<u>Kit No. A320211013</u>		<u>A01</u>					
1	D2121113100000	1	Grill				
2	ASNA2051DCJ02412	3	Rivet				
			Tube	(4)	D2127411100400		F.R.

#### B. SPECIAL TOOLS

None.

#### C. LIST OF MATERIALS - OPERATOR SUPPLIED

DESCRIPTION	REFERENCE AMM 20-31-00	QTY PER A/C
MEK	Mat. No. 11-003	As required

#### D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

ITEM	NEW PART No.	QTY	DESCRIPTION	ITEM	OLD PART No.	INSTRUCTIONS/ DISPOSITION
3	D2121031500200	1	Tube	(3)	D2121031500000	

DATE : Nov 04/88  
REVISION No.

SERVICE BULLETIN No. : A320-21-1013

PAGE : 9

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ATA SYSTEM : 21

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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

BP No. 33  
31707 BLAGNAC CEDEX  
FRANCE

Att. : AI/S - Technical Publ. Dept.

5 DATE : Nov 04/88

SERVICE BULLETIN No. : A320-21-1013

REVISION No.

PAGE : 1 of 1