

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. A320-21-1018

REV. 0

DATED: May 18/89

Mod. No. 21513K1606

TITLE: AIR CONDITIONING - DELETE BILGE AIR INTAKE

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 9/10 Para. B.(4)

From : P/N D212725370000

To : P/N D2127253700000

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

DATE: AUG 03/90

SERVICE BULLETIN NO: A320-21-1018
CHANGE NOTICE NO: OA

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SERVICE BULLETIN
SUMMARY

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

MODIFICATION NO: 21513K1606

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - DELETE BILGE AIR INTAKE

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Flight test results show extreme low bilge temperature resulting into low ventilation inlet temperature. To avoid low inlet temperature resulting in a too low cargo compartment temperature, this Service Bulletin proposes to delete the bilge air intake.

EFFECTIVITY

This Service Bulletin is applicable to the following operators:

ADR, AFR, BAW, IAC, ITF, NWA, RJA

SERVICE BULLETIN/MODIFICATION TO BE
ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

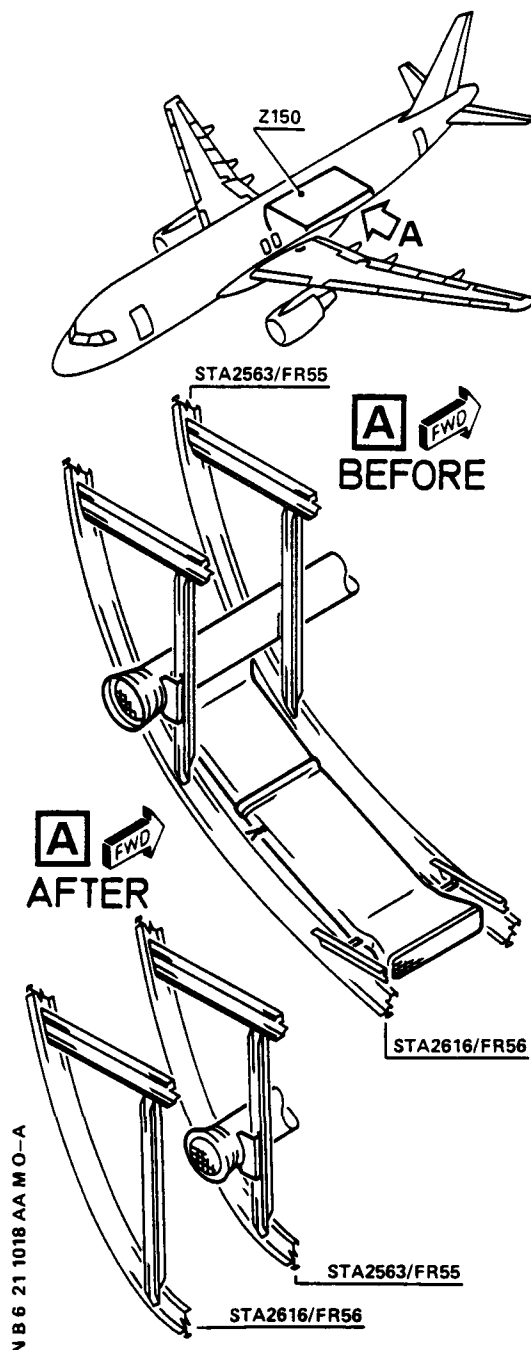
None

REFERENCES/REPERCUSSIONS

None

NATURE OF THE MODIFICATION

AIRCRAFT Yes
EQUIPMENT No



6 DATE: DEC 14/89
REVISION NO:

SERVICE BULLETIN NO: A320-21-1018
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SERVICE BULLETIN
SUMMARY

COMPLIANCE

Optional

MANPOWER

Total manhours	8.0
Elapsed time (hours)	4.0

MATERIAL INFORMATION

Aircraft Data

Air inlet, bracket, hardware

Equipment Data

None

MODIFICATION NO: 21513K1606

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - DELETE BILGE AIR INTAKE

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: A320-111, A320-211, A320-231

(2) Aircraft

Customer and Fleet No.	MSN	Qty of Kit 211018A01
ADR 001	043	1
AFR 001, 002, 004-007	005, 007 014, 019, 020, 021	2 4
031-036	061, 062, 063, 100, 101, 102	6
BAW 001-008	006, 008, 011, 017, 018, 039, 042, 103	8
IAC 001-019	045, 046, 047, 048, 049, 050, 051, 056, 057, 058, 074, 075, 079, 080, 089, 090, 095, 096, 097	19
ITF 001-010	010, 012, 013, 015, 016, 033, 036, 044, 004, 003	10
NWA 301-308	031, 032, 034, 040, 041, 060 106, 107	8
RJA 001-002	087, 088	2

(3) Spares

None

B. REASON

(1) History

Flight test results show extreme low bilge temperature resulting into low ventilation inlet temperature.

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(2) Objective/Action

To avoid low ventilation inlet temperature, resulting in a too low cargo compartment temperature, this Service Bulletin proposes to delete the bilge air intake.

(3) Advantages

- Improvement of Cargo Compartment Ventilation
- Weight reduction

(4) Accomplishment Timescale

In accordance with operators maintenance planning.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists of:

- (1) Removing bilge air inlet funnel.
- (2) Installing air inlet funnel.

D. APPROVAL

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

E. MANPOWER

	<u>Manhours</u>
Gain access	2.50
Modification	3.00
Close-Up	2.50
Total manhours	8.00
Elapsed time (hours)	4.00

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.

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F. MATERIAL - COST AND AVAILABILITY

Sales terms stated (cost and availability) apply for a period of 120 days from the original issue date of the Service Bulletin. Beyond this period, the sales terms may be subject to change.

(1) Material

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

AIRBUS INDUSTRIE
SPARES SUPPORT CENTER
WEG BEIM JAEGER 150
D2000 HAMBURG 63
GERMANY

(2) Cost and Availability

Kit	Cost (US Dollars)	Availability*
211018A01	477	210

* Calendar days from receipt of order.

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

A discount of ten (10) percent 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

MEW = - 3.0 kg (- 6.61 lb.)
Effect on balance = + 77.7 kgm (562.0 lb.ft.)

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I. REFERENCE

Aircraft Maintenance Manual 12-34-24, 53-43-14

J. PUBLICATIONS AFFECTED

Aircraft Maintenance Manual 21-28-00, 21-43-00

Illustrated Parts Catalog 21-28-04

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2. ACCOMPLISHMENT INSTRUCTIONSA. GENERAL

NOTE: Item numbers in brackets show modified or discarded parts.
Part numbers of discarded parts will be specified in Para. 3.
MATERIAL INFORMATION.

(2) Put the correct access platform at the AFT cargo-compartment door.

(3) Open the AFT cargo-compartment door.

(4) Remove the side wall panels 151EW and 151HW.

(5) Remove the floors panels 151JF and 151HF (Refer to AMM 53-43-14,
P. Block 401).

B. MODIFICATION

Refer to Figure 1

(1) Removal of the Inlet Funnel, item (1)

(a) Remove from the area between FR55 and FR56:

- 4 screws item (4) (discard),
- 4 washers item (3) (discard),
- 2 washers item (9) (discard).

(b) Remove from the tube, item 10:

- 1 clamp item 5 (retain).

(c) Remove from the brackets, item 6:

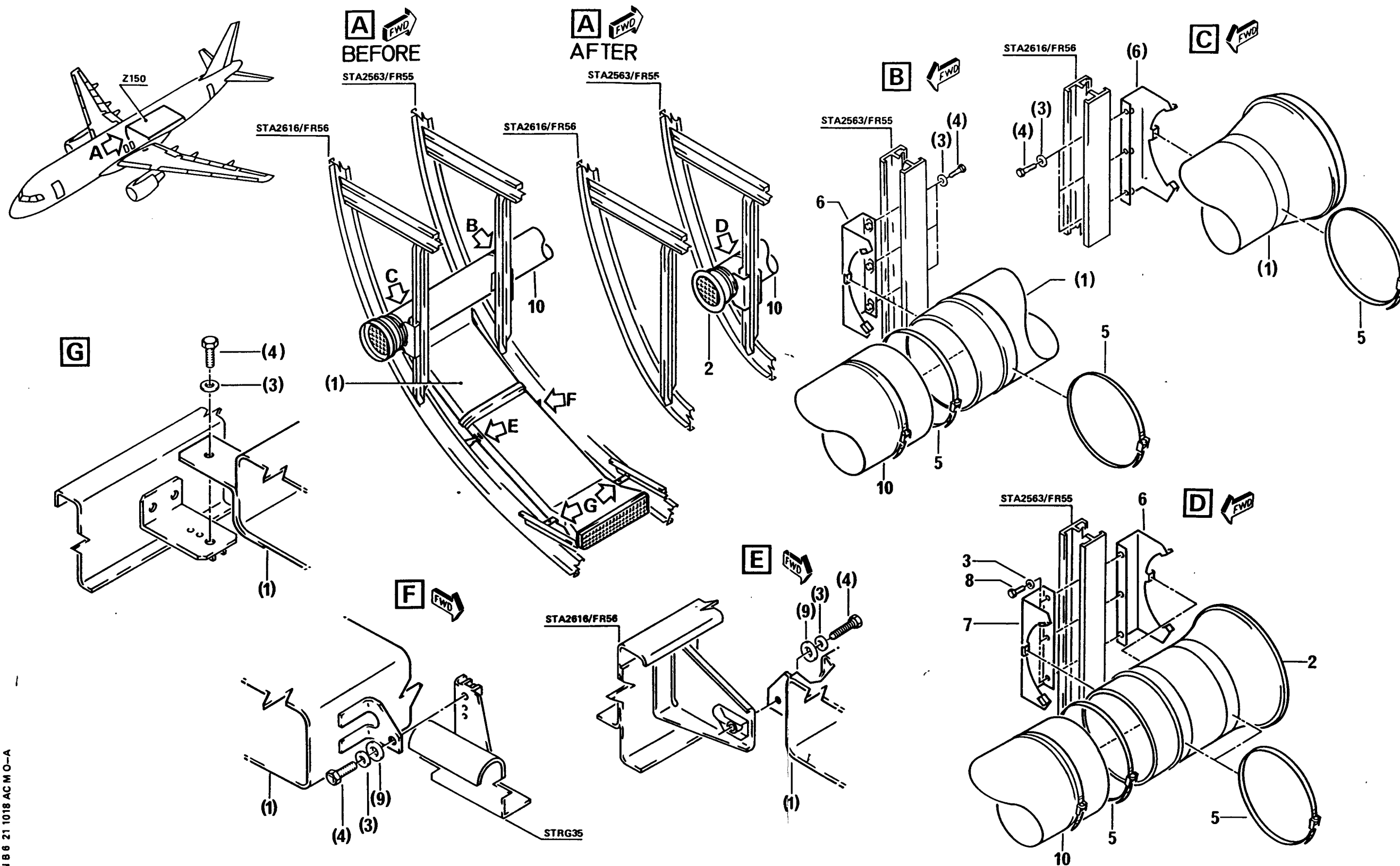
- 2 clamps item 5 (retain).

(d) Remove the inlet funnel, item (1) (discard).

(2) Removal of the Brackets, item 6

(a) Remove from the support strut between FR56 and the floor structure:

- 3 screws item (4) (discard),
 - 3 washers item (3) (discard),
 - 1 bracket item (6) (discard),
- as shown in detail C.



Deletion of the Inlet Funnel
Figure 1

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(b) Remove from the support strut between FR55 and the floor structure:

- 3 screws item (4) (discard),
 - 3 washers item 3 (retain),
 - 1 bracket item 6 (retain),
- as shown in detail B.

(3) Installation of the Brackets, items 6 and 7

(a) Install on the support strut between FR55 and the floor structure:

- 1 retained bracket, item 6,
 - 1 bracket D2127349720000, item 7,
 - 3 retained washers, item 3,
 - 3 screws NAS1096-3-8, item 8,
- as shown in detail D.

(4) Install the inlet funnel D212725370000, item 2, on the tube, item 10, with the retained clamp, item 5.

(5) Install the inlet funnel, item 2, on the brackets, items 6 and 7, with the 2 retained clamps, item 5.

C. TEST

None

D. CLOSE-UP

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

(2) Install the floor panels 151HF and 151JF (Refer to AMM 53-43-14, P. Block 401).

(3) Install the side wall panels 151EW and 151HW

(4) Close the AFT cargo-compartment door.

(5) Remove the access platform.

E. DOCUMENTATION

Write in the related A/C technical records that you did this Service Bulletin.

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3. MATERIAL INFORMATION

Basis for the following material data is per aircraft.

A. LIST OF COMPONENTS

ITEM	NEW P/N	QTY PER KIT 211018A01	DESIGNATION	OLD P/N
(1)		1	Inlet funnel	02127250701200
2	D2127253700000	1	Inlet funnel	
7	D2127349720000	1	Bracket	
8	NAS1096-3-8	3	Screw	

B. LIST OF MATERIALS - OPERATOR SUPPLIED

None

C. PARTS TO BE REIDENTIFIED BY OPERATOR

None

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MODIFICATION NO: 21513/K1606

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - DELETE BILGE AIR INTAKE

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 :
.....

NAME :
.....

DATE :
..... 19..

AIRBUS INDUSTRIE
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Att. : AI/SP - Technical Publications
Department

DATE: DEC 14/89
REVISION NO:

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