

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

SERVICE BULLETIN
SUMMARY

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

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

MODIFICATION No. : 20012/K0005

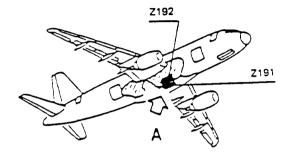
ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - PRESSURIZATION AND PNEUMATIC SYSTEM - INSTALL

ADDITIONAL BONDING STRAP

REASON

Bonding tests on the movable flaps of the ram air outlets of both air conditioning packs (LH/RH) have shown that an additional bonding strap has to be installed between the ram air outlet flaps and the aircraft structure.



A BEFORE

LOCKWIRE

ACTION

- Remove access panels and fairings.
- Install bonding strap between ram air outlets and flaps.
- Install fairings and access panels.

EFFECTIVITY

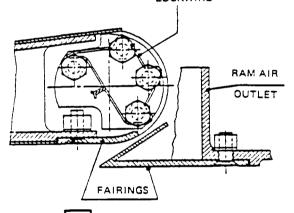
Applicable on A/C MSN 005.

COMPLIANCE

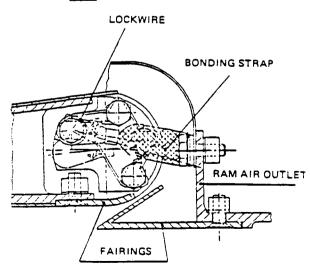
Desirable

MANPOWER

Manhours 3.0 Elapsed Time (Hours) 1.5



AFTER



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MATERIAL INFORMATION

Quantity per A/C:

2 bonding straps and associated hardware.

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ADDITIONAL BONDING STRAP

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models: A320-111

(2) Aircraft

Customer and MSN Qty of Kits Fleet No. A320211008

AFR 001 005 1

(3) Spares

B. REASON

Bonding tests on the movable flaps of the ram air outlets of both air conditioning packs (LH/RH) have shown that an additional bonding strap has to be installed between the ram air outlet flaps and the aircraft structure.

C. DESCRIPTION

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

AIRCRAFT

- (1) Position access platforms and gain access to ram air outlets.
- (2) Remove access panels.
- (3) Remove fairing plates.
- (4) Install bonding strap between ram air outlet and flap.
- (5) Install fairing plates.
- (6) Install access panels.

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(7) Remove access platforms.

D. APPROVAL

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

E. MANPOWER

	Manhours
Gain access Modification Close-up	0.5 2.0 0.5
TOTAL MANHOURS	3.0
ELAPSED TIME (HOURS)	1.5

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.

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 63 GERMANY

(2) Cost and Availability

Kit	Cost (US Dollars)	Availability*
A320211008A01	55	180 days

* 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.

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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: 20-28-11, 20-31-00

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog: 21-52-03

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2. ACCOMPLISHMENT INSTRUCTIONS — ON AIRCRAFT

A. GENERAL

Accomplishment of this Service Bulletin includes the following operations:

- (1) Job Set-Up
 - (a) Put the access platforms in position.
 - (b) Remove the access panels 191KB (LH) and 192KB (RH).
 - (c) Remove and retain the fairings and the associated fasteners.
- (2) Standard Procedures
 - (a) Apply protective treatment on blank surface Mat. No. 16-001 and Mat. No. 16-002 (Ref. AMM 20-31-00).
 - (b) Clean applicable surfaces with Mat. No. 11-003 (Ref. AMM 20-31-00).

B. MODIFICATION

Refer to Figure 1, Sheets 1 of 2 and 2 of 2

- (1) Drill and debur a hole dia. 5.2 mm (0.205 in.) and two rivet holes dia. 2.4 mm (0.094 in.) for the anchor nut attachment on ram air outlet to dimensions as given on Sheet 1 of 2.
- (2) Install anchor nut MS21047-L3, item 3, with rivets MS20426AD3-8, item 1.
- (3) Provide a blank surface dia. 13 mm (0.512 in.) for bonding connection (Ref. AMM 20-28-11, P. Block 201).
- (4) Install one end of bonding strap ABS0394C-125, item 2, to the ram air outlet with bolt NAS6703U4, item 8 and washer AN960C10L, item 5.
- (5) Cut and remove the lockwire from bearing of movable flap.
- (6) Remove and retain the screw, item 4.
- (7) Provide a blank surface dia. 13 mm (0.512 in.) for bonding connection (Ref. AMM 20-28-11, P. Block 201).
- (8) Install the other end of bonding strap, item 2 to the bearing of movable flap with the retained bolt NAS6703HU1, item 4 and a new washer AN960C1OK, item 5.

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(9) Secure with the new Lockwire MS20995C32, item 6, as given on Sheet 2 of 2.

NOTE: As an alternative each pair of bolts can be secured with lock-wire separately.

- (10) Apply protective coat with lacquer Nycote 7-11 and color powder Nycote blue to bolts and rivet heads and cover the remaining blank area of the bonding connection with sealant Mat. No. 09-015 or Mat. No. 09-013 (Ref. AMM 20-31-00).
- (11) Re-identify ram air outlets as per Para. 3.D.

C. TEST

None.

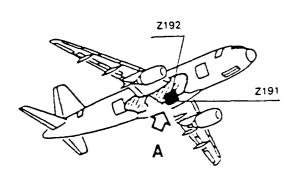
D. CLOSE-UP

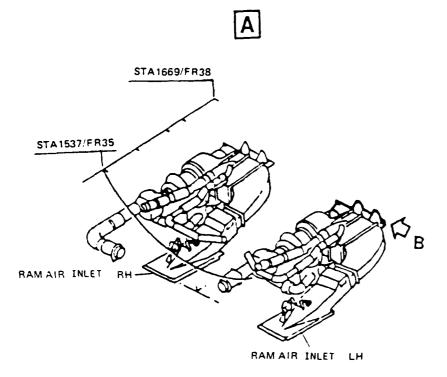
- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Install the retained fairings with its associated fasteners.
- (3) Install the access panels 191KB and 192KB.
- (4) Remove the access platforms.

E. ACCOMPLISHMENT INSTRUCTIONS — REMOVED COMPONENTS AND SPARES

Not applicable

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Installation of Bonding Strap Figure 1, Sheet 1 of 2

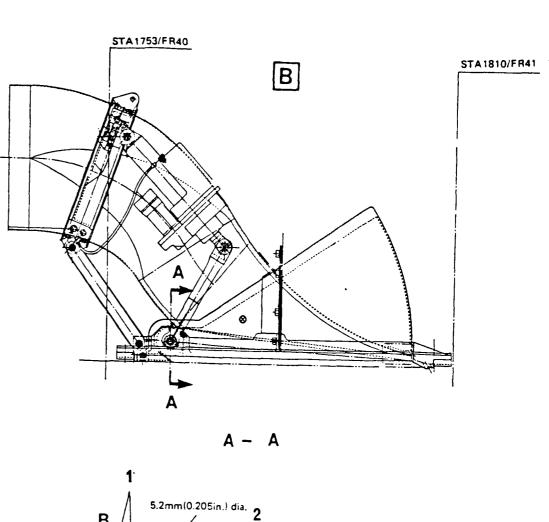
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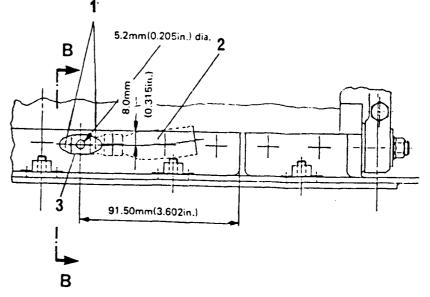
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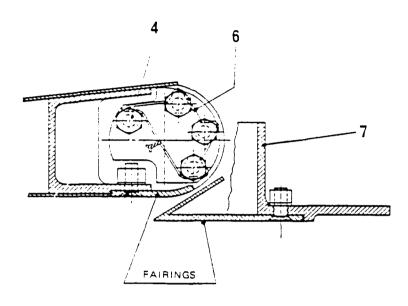
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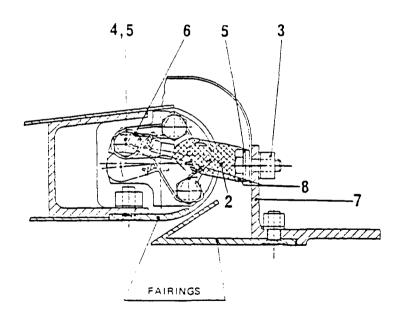


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B - B BEFORE



B - B AFTER



Installation of Bonding Strap Figure 1, Sheet 2 of 2

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3. MATERIAL INFORMATION

Basis for the following material is per aircraft

A. LIST OF COMPONENTS

I T E M	NEW P/N	QTY PER KIT A320211008 A01	DESIGNATION	I T E M	OLD P/N	I N REMARKS T	
1	MS20426AD3-8	4	Rivet				
2	ABS0394C-125	2	Bonding Strap				
3	MS21047 L3	2	Anchor nut				
5	AN960C10L	4	Washer				
8	NAS6703 U4	2	Bolt				

B. SPECIAL TOOLS

None

C. LIST OF MATERIALS - OPERATOR SUPPLIED

DESCRIPTION	REFERENCE AMM 20-31-00	QTY PER A/C
Sealant	Mat. No. 09-015	as required
or Sealant	Mat. No. 09-013	as required
Laquer, Nycote 7-11		as required
Color Powder, Nycote blue		as required
Lockwire, MS20995C32		as required
M.E.K.	Mat. No. 11-003	as required
Polyurethane primer	Mat. No. 16-001	as required
Polyurethane primer	Mat. No. 16-002	as required





D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

NEW PN	DESCRIPTION	OLD PN
D2157100001200	Ram air Outlet LH	D2157100000400
D2157108001600	Ram Air Outlet RH	D2157108000600

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IS BEING HEREWITH SUBMITTED TO YOU FOR REVIEW

Please fill: ... WILL NOT BE EMBODIED

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... 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 NAME : BP N° 33 31700 BLAGNAC France DATE : 19 ATT. : AI/V-S - Technical Publ. Dept.

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