

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 DGAC approved for  
modification of the aircraft.

MODIFICATION No. 20944/P1394

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - IMPROVE ELAC AIR COOLING.

#### REASON

Additional electronic cards have been installed in the elevator aileron computers (ELAC-1 and 2), increasing power consumption (from 80W to 100W). This Service Bulletin proposes increasing the air flow (compatible with ARINC 600) by removing all the blanking plugs on the Modular Concept Units (MCU) related to ELAC-1 and 2 to improve ELAC ventilation.

#### ACTION

In the avionics compartment, on shelf 83VU of rack 80VU for ELAC-1 and shelf 84VU of rack 80VU for ELAC-2, removal of all the blanking plugs on the MCUs related to these items of equipment.

#### EFFECTIVITY

Applicable by Service Bulletin on A/C 005, 006, 007, 008, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021.

Embodied prior to delivery on A/C MSN 003, 004, 022 and subsequent.

#### COMPLIANCE

Desirable.

#### MANPOWER

Manhours : 2.5  
Elapsed time (hours) : 2.5

#### MATERIAL INFORMATION

None.

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 **A320**

SERVICE BULLETIN

MODIFICATION No. 20944/P1394

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - IMPROVE ELAC AIR COOLING.

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft Models : 320-111

(2) Aircraft

Customer and Fleet No.	MSN	Qty of Kits None
AFR 001,002 004-007	005, 007 014, 019-021	
BAW 001-005	006, 008, 011, 017, 018	
ITF 001-005	010, 012, 013, 015, 016	

This modification is embodied prior to delivery on A/C MSN 003,  
004, 022 and subsequent.

(3) Spares

None.

B. REASON

Additional electronic cards have been installed in the elevator aileron computers (ELAC-1 and 2), increasing power consumption (from 80W to 100W).

This Service Bulletin proposes increasing the air flow (compatible with ARINC 600) by removing all the blanking plugs on the Modular Concept Units (MCU) related to ELAC-1 and 2 to improve ELAC ventilation.

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## SERVICE BULLETIN

**C. DESCRIPTION**

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

- (1) In the avionics compartment, on rack 80VU :
  - (a) On shelf 83VU, remove all the blanking plugs on the MCU (Modular Concept Unit) related to the ELAC-1 (2CE1).
  - (b) On shelf 84VU, remove all the blanking plugs on the MCU (Modular Concept Unit) related to the ELAC-2 (2CE2).

**D. APPROVAL**

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

**E. MANPOWER**

	<u>Manhours</u>
Removal/Installation of ELAC-1 and 2	1.5
Removal of blanking plugs	0.5
Tests	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.

**F. MATERIAL - COST AND AVAILABILITY**

None.

## SERVICE BULLETIN

G. TOOLING - PRICE AND AVAILABILITY

None.

H. WEIGHT AND BALANCE

None.

I. REFERENCES

Aircraft Maintenance Manual : 12-34-24, 24-41-00,  
27-93-00, 27-93-34

Illustrated Parts Catalog : 27-93-08

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog : 27-93-08

K. INTERCHANGEABILITY / INTERMIXABILITY

Not applicable.

## 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. MODIFICATION**

(1) In Avionics Compartment, in rack 80VU

- (a) As per AMM 27-93-34, P. Block 401, remove ELAC-1 (2CE1) on shelf 83VU and remove ELAC-2 (2CE2) on shelf 84VU.

(b) On shelf 83VU :

Remove all the blanking plugs on the MCU (Modular Concept Unit) related to the ELAC-1 (2CE1).

NOTE : You will not re-use the blanking plugs that you have removed.

(c) On shelf 84VU :

Remove all the blanking plugs on the MCU (Modular Concept Unit) related to the ELAC-2 (2CE2).

NOTE : You will not re-use the blanking plugs that you have removed.

- (d) As per AMM 27-93-34, P. Block 401, install ELAC-1 (2CE1) on shelf 83VU and install ELAC-2 (2CE2) on shelf 84VU.

**C. TEST**

Do an operational test of the ELAC System as per AMM 27-93-00, P. Block 501.

**D. CLOSE-UP**

Put the systems and the aircraft back to the serviceable condition.

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**3. MATERIAL INFORMATION****A. LIST OF COMPONENTS**

None.

**B. SPECIAL TOOLS**

None.

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

None.

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

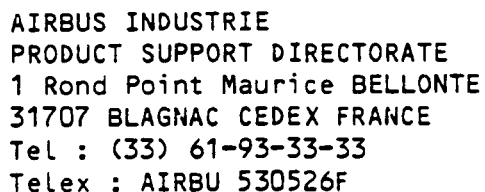
None.

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