AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel: (33) 61-93-33-33

SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

MODIFICATION NO: 21861K2004

Telex: AIRBU 530526 F

ATA SYSTEM: 21

TITLE: AIR-CONDITIONING - MODIFY TEMPERATURE ZONE CONTROLLER

Herewith Revision No. 3 of Service Bulletin A320-21-1033. NO ADDITIONAL WORK IS REQUIRED BY THIS REVISION.

REASON

This revision is issued to revise the Para. MATERIAL and to include the CHANGE NOTICE 2A.

SUMMARY

- Page 1 of 2

Approval statement revised.

SERVICE BULLETIN

- Page 1 of 7 Revision number changed.

- Page 2 EFFECTIVITY updated.

- Page 3 Para. 1.D. APPROVAL updated, Text shift.

- Page 4 Para. 1.F. MATERIAL updated.

FILING INSTRUCTIONS

- Replace the Summary page 1 of 2.

- Replace the Service Bulletin pages 1 of 7, 2, 3 and 4.

- File this Revision Transmittal Sheet in front of this Service Bulletin.

REVISION SEQUENCE

Original: Mar 08/90
Revision: 1 - Apr 18/90
Revision: 2 - Apr 30/91
Revision: 3 - JUN 14/93

SERVICE BULLETIN NO: A320-21-1033

PAGE: 1 of 1

AIRBUS INDUSTRIE
PRODUCT SUPPORT DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel: (33) 61-93-33-33
Telex: AIRBU 530526 F



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

MODIFICATION NO: 21861K2004

ATA SYSTEM: 21

T I T L E : AIR-CONDITIONING - MODIFY TEMPERATURE ZONE CONTROLLER

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is published to advise operators of the issue of LIEBHERR ABG-SEMCA Service Bulletin 775A-21-02. This publication deals with improving the cabin air temperature after pack start in cold weather conditions. In addition, LIEBHERR ABG-SEMCA Service Bulletin introduces a modification in the software for system function improvement:

- Changing the software program for operational and monitoring improvement of the temperature zone controller.

This temperature zone controller modification can be performed by LIEBHERR ABG-SEMCA. The unit to be modified can be sent to:

LIEBHERR AERO-TECHNIK
Product Support Department
Postfach 1363
D-8998 Lindenberg
Federal Republic of Germany

EFFECTIVITY

This Service Bulletin is applicable to the following operators:

AAA, ADR, AFR, AMC, BAW, CYP, HP, IAC, ITF, NWA, RJA, TAR and XP

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULATANEOUSLY

None

REFERENCES/REPERCUSSIONS

None

6 DATE: Mar 08/90 REVISION NO: 3 - JUN 14/93 SERVICE BULLETIN NO: A320-21-1033

PAGE: 1 of 2



SERVICE BULLETIN SUMMARY

NATURE OF THE MODIFICATION

AIRCRAFT

NO

EQUIPMENT

YES

HARD

YES (Refer to LIEBHERR ABG-SEMCA

Service Bulletin 775A-21-02)

SOFT

YES

(Refer to LIEBHERR ABG-SEMCA

Service Bulletin 775A-21-02)

OBRM

NO

COMPLIANCE

Desirable

MANPOWER

Total manhours

3.00

Elapsed time (hours)

1.50

NOTE: The manhours are only for removal and installation of the temperature

zone controller.

MATERIAL INFORMATION

Aircraft Data

None

Equipment Data

Designation

Temperature Zone Controller

Supplier

LIEBHERR ABG-SEMCA

Service Bulletin

775A-21-02

Part Number Before

775A0000-05

Part Number After

775A0000-06

Interchangeability

Code 02

Intermixability

Not applicable

APPENDICES

None

DATE: MAR 08/90

REVISION NO: 1 - APR 18/90

SERVICE BULLETIN NO: A320-21-1033

PAGE: 2 of 2

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



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

MODIFICATION NO: 21861K2004

ATA SYSTEM: 21

T I T L E : AIR-CONDITIONING - MODIFY TEMPERATURE ZONE CONTROLLER

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	022,023,024,025,026,027,029,030	
ADR 001-003	043,113,114	
AFR 001-002, 004-007	005,007,014,019,020,021	
AFR 031-036	061,062,063,100,101,102	
AMC 001	112	
BAW 001-010	006,008,011,017,018,039,042,103,109,	
CYP 001-004	028,035,037,038	
HP 620-622 624-629 631-637	052,053,054,055,064,065,066,067,076 077,081,082,091,092,098,099	
IAC 001-012 014-019	045,046,047,048,049,050,051,056,057, 058,074,075,080,089,090,095,096,097	

6 DATE: Mar 08/90 REVISION NO: 3 - JUN 14/93

SERVICE BULLETIN NO: A320-21-1033
PAGE: 1 of 7



Customer and Fleet No.	MSN	Qty of Kits None
ITF 001-003 005-012	010,012,013,016,033,036,044,004,003, 108,115	
NWA 301-309	031,032,034,040,041,060,106,107,118,	
RJA 001,002	087,088	
TAR 001	119	•
XP 001	085	

This modification is embodied, prior to delivery, on A/C MSN 002, 059, 068, 073, 084, 121 and subsequent.

(3) Spares

Temperature Zone Controller (LIEBHERR) 775A0000-05

B. REASON

(1) History

This Service Bulletin is published to advise operators of the issue of LIEBHERR ABG-SEMCA Service Bulletin 775A-21-02 which has been issued as a result of cold weather operation tests. Some operators have requested an improvement to the low cabin air temperature after pack start in cold weather conditions.

(2) Objective/Action

This Service Bulletin describes the necessary work to improve the cabin air temperature after pack start.

(3) Advantages

The accomplishment of this Service Bulletin will provide in the above mentioned conditions a higher cabin air temperature after pack start.

(4) Accomplishment Timescale

In accordance with operator's maintenance planning.

DATE: MAR 08/90 REVISION NO: 3 - JUN 14/93 SERVICE BULLETIN NO: A320-21-1033

PAGE: 2



C. DESCRIPTION

Accomplishment of this Service Bulletin consists of carring out the following jobs.

- (1) Removing the temperature zone controller 775A0000-05 from the rack in the avionics compartment.
- (2) Modifying the temperature zone controller 775A0000-05 to temperature zone controller 775A0000-06 (Refer to LIEBHERR ABG-SEMCA Service Bulletin 775A-21-02).
- (3) Installing the temperature zone controller 775A0000-06 in the rack in the avionics compartment.

D. APPROVAL

This Service Bulletin relates to the change(s) referenced on page 1 which has (have) been approved by the DGAC.

The technical information contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. C 01.

E. MANPOWER

This Service Bulletin may be accomplished in the following approximate manhours and elapsed time:

	Manhours/aircraft
Gain access	1.00
Removal/Installation	0.50
Test	0.50
Close-Up Total manhours	1.00 3.00
Elapsed time (hours)	1.50

NOTE: The manhours given in para. E. are only for the removal and installation of the temperature zone controller.

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.

Printed in France

DATE: MAR 08/90

REVISION NO: 3 - JUN 14/93

SERVICE BULLETIN NO: A320-21-1033
PAGE: 3



F. MATERIAL - COST AND AVAILABILITY

This Service Bulletin is the subject of an Airbus retrofit campaign.
Modification of the part(s)/equipment is at no charge for the operator.
For the organisation of this retrofit operators are requested to contact:

AIRBUS INDSUTRIE

1 ROND POINT MAURICE BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel: (33) 61-93-33-33
Telex: AIRBU 530526 F
Fax: (33) 61-30-01-25

Attn: AI/SE31

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

None

I. REFERENCE

Aircraft Maintenance Manual 12-34-24, 21-63-00, 21-63-34, 52-10-00 LIEBHERR ABG-SEMCA Service Bulletin 775A-21-02

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog 21-63-08, 21-63-34

DATE: MAR 08/90 REVISION NO: 3 - JUN 14/93 SERVICE BULLETIN NO: A320-21-1033
PAGE: 4

Printed in France

© A320

SERVICE BULLETIN

2. ACCOMPLISHMENT INSTRUCTIONS

AIRCRAFT

A. GENERAL

- (1) Electrically ground the aircraft (Refer to AMM 12-34-24, P. Block 201).
- (2) Put the access platform in position at the FWD passenger/crew door.
- (3) Open the FWD passenger/crew door (Refer to AMM 52-10-00, P. Block 201).
- (4) Open, safety and tag the circuit breakers as given in AMM 21-63-34, P. Block 401.
- (5) Put the access platform in position at the access door 811.
- (6) Open the access door 811.

B. MODIFICATION

- (1) Disconnect and remove the temperature zone controller 8HK 775A0000-05 from the rack in the avionics compartment (Refer to AMM 21-63-34, P. Block 401).
- (2) Do the modification to the temperature zone controller 775A0000-05 as given in the LIEBHERR ABG-SEMCA Service Bulletin 775A-21-02.
- (3) Install and connect the temperature zone controller 8HK 775A0000-6 in the rack in the avionics compartment (Refer to AMM 21-63-34, P. Block 401).

C. TEST

(1) Do an operational test of the cockpit and cabin temperature control (Refer to AMM 21-63-00, P. Block 501).

D. CLOSE-UP

- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Remove the safety clips and the tags and close the circuit breakers as given in para. 2.A.(4).
- (3) Close the access door 811.
- (4) Close the FWD passenger/crew door (Refer to AMM 52-10-00, P. Block 201).
- (5) Remove the access platforms.

DATE: MAR 08/90 REVISION NO: 1 - APR 18/90 SERVICE BULLETIN NO: A320-21-1033

PAGE: 5



SERVICE BULLETIN

E. DOCUMENTATION

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

DATE: MAR/08/90 REVISION NO:

SERVICE BULLETIN NO: A320-21-1033

PAGE: 6



SERVICE BULLETIN

3. MATERIAL INFORMATION

Refer to LIEBHERR ABG SEMCA Service Bulletin 775A-21-02.

DATE: MAR 08/90 REVISION NO: 1 - APR 18/90 SERVICE BULLETIN NO: A320-21-1033
PAGE: 7