

**SERVICE BULLETIN
SUMMARY**

-7 JAN 37

AIRBUS INDUSTRIE
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel: (33) 61933333
Telex: AIRBU 530526F

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

**TITLE : AIR CONDITIONING - AIR COOLING - MODIFY THE AIR CONDITIONING PACK
10HM (11HM)**

MODIFICATION No. : 26142K4629

ATA SYSTEM : 21

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

In order to verify reliability improvements to the air cooling packs an evaluation program has been initiated.

This Evaluation Service Bulletin is issued to inform the affected customers about the LIEBHERR ABG-SEMCA Vendor Service Bulletin (VSB) 744A-21-09. This VSB details the modification of the air cooling packs P/N 744A0000-09 or 744A0000-10 and is for field evaluation only. The cooling packs will be equipped with a modified Air Cycle Machine (ACM) P/N 1263A0000-01.

It is expected that this modification will increase the reliability of the air conditioning system and consequently the passengers comfort.

NOTE : The evaluation period is for a maximum of 1000 flight hours. The operational time of the ACM 1263A0000-01 is limited to 2000 hours.

NOTE : Only one air conditioning pack per A/C has to be modified for evaluation.

EFFECTIVITY

This Service Bulletin is applicable to these customer(s) :
AFR, DLH, FHA, GFA, IAC, IBE, SHK, SWR, XR, XW.

It is the customers responsibility to decide on which A/C this Evaluation Service Bulletin will be accomplished.

SERVICE BULLETIN(S) TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None



A319/A320/A321

SERVICE BULLETIN SUMMARY

REFERENCES/REPERCUSSIONS

TFU : None
OEB : None
AOT : None
SIL : None
LIFE LIMIT : None
LINE MAINTENANCE AFFECTED : No
OTHER : None

NATURE OF THE WORK

AIRCRAFT : NO
EQUIPMENT : YES
HARD : YES
SOFT : NO
OBRM : NO

COMPLIANCE

Optional

MANPOWER

TOTAL MANHOURS 10.00
ELAPSED TIME (HOURS) 4.00

MATERIAL INFORMATION

AIRCRAFT DATA

None

EQUIPMENT DATA

Designation : Air Conditioning Pack

Supplier : Liebherr ABG-SEMCA

Service Bulletin No. : 744A-21-09

DATE : Dec 20/96

SERVICE BULLETIN No. : A320-21-1905

REVISION No. :

PAGE : 2

A319/A320/A321

SERVICE BULLETIN

SUMMARY

Old Part Number : 744A0000-09

New Part Number : 744Z0000-01

Interchangeability code : 2 (Refer to ATA 200 Chapter 1A-2)

Mixability : YES

Designation : Air Conditioning Pack

Supplier : Liebherr ABG-SEMCA

Service Bulletin No. : 744A-21-09

Old Part Number : 744A0000-10

New Part Number : 744Z0000-01

Interchangeability code : -2 (Refer to ATA 200 Chapter 1A-2)

Mixability : YES

APPENDICES

None



A319/A320/A321

SERVICE BULLETIN

AIRBUS INDUSTRIE
 CUSTOMER SERVICES DIRECTORATE
 1 Rond Point Maurice BELLONTE
 31707 BLAGNAC CEDEX FRANCE
 Tel: (33) 61933333
 Telex: AIRBU 530526F

TITLE : AIR CONDITIONING - AIR COOLING - MODIFY THE AIR CONDITIONING PACK
 10HM (11HM)

MODIFICATION No. : 26142K4629

ATA SYSTEM : 21

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft models : 320-111, 320-211, 320-212, 320-214, 320-231

(2) Aircraft

Customer and Fleet No.	MSN	Kit No.	Qty	Config.
		211905	of Kits	No.
		NONE	None	
AFR 001,002	005,007			
004-008	014,019,020,021,002			
031	061			
033-044	063,100,101,102,128,129, 133,186,187,188,226,227			
046-048	285,286,287			
DLH 001-010	069,070,071,072,078,083, 086,093,094,104			
012-034	110,111,116,117,135,137, 147,161,162,172,200,201, 202,209,216,217,218,267, 268,269,346,382,401			
FHA 001,002	332,369			
GFA 801-814	313,325,345,375,419,421, 438,445,459,466,481,497, 536,537			
IAC 001-012	045,046,047,048,049,050, 051,056,057,058,074,075			
014-031	080,089,090,095,096,097, 396,398,416,423,431,432, 451,469,486,490,492,499			



A319/A320/A321

SERVICE BULLETIN

Customer and
Fleet No.

MSN

Kit No.
211905
NONE

Qty
of Kits
None

Config.
No.

~~IBE~~ 001-022

134,136,143,146,158,173,
176,177,199,207,223,224,
240,241,246,264,266,274,
303,312,323,356

~~SHK~~ 003

344

~~SWR~~ 226-243

533,545,548,553,559,562,
566,574,577,585,596,603,
635,643,673,681,701,703

~~XR~~ 523

478

~~XW~~ 501

347

~~509~~

441

It is the responsibility of the customers to select the A/C to accomplish this Evaluation Service Bulletin.

(3) Spares

None

B. REASON

(1) History

In order to verify reliability improvements to the air cooling packs an evaluation program has been initiated.

(2) Objective/Action

This Evaluation Service Bulletin is issued to inform the affected customers about the LIEBHERR ABG-SEMCA Vendor Service Bulletin (VSB) 744A-21-09. This VSB details the modification of the air cooling packs P/N 744A0000-09 or 744A0000-10 and is for field evaluation only. The cooling packs will be equipped with a modified Air Cycle Machine (ACM) P/N 1263A0000-01.

NOTE : The evaluation period is for a maximum of 1000 flight hours. The operational time of the ACM 1263A0000-01 is limited to 2000 hours.

NOTE : Only one air conditioning pack per A/C has to be modified for evaluation.

(3) Advantages

It is expected that this modification will verify the increase in reliability of the air conditioning system and consequently the passengers comfort.

DATE : Dec 20/96

SERVICE BULLETIN No. : A320-21-1905

REVISION No. :

PAGE : 2



(4) Operational/Maintenance Consequences

None

(5) Accomplishment Timescale

In accordance with the operator's maintenance schedule.

C. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

- (1) Remove the ACM.
- (2) Install the modified ACM.

D. APPROVAL

The design data contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No C 01. The changes specified in this Service Bulletin have been approved by the DGAC when they are major, or under the authority of DGAC Design Organisation Approval No. C01, when they are minor.

E. MANPOWER

This Service Bulletin is written for an aircraft in a maintenance condition. The manhours/elapsed time estimates do not include the time to prepare for the modification, non-productive elapsed times or administration.

Get access	0.50
Removal/Installation	8.00
Test	0.50
Close-up	1.00
TOTAL MANHOURS	10.00
ELAPSED TIME (HOURS)	4.00



A319/A320/A321

SERVICE BULLETIN

F. MATERIAL - COST AND AVAILABILITY

There will be no charge for this Evaluation Service Bulletin. For further information please contact

LIEBHERR ABG-SEMCA
408 Avenue des Etats Unis
BP2010
31016 Toulouse Cedex
FRANCE
Tel : 61.35.28.28
Telex : ABSEMCA 531634F
Telefax : 61.35.29.29

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

Not affected

I. REFERENCES

Aircraft Maintenance Manual (AMM) : 00-00-INTRO, 12-34-24, 21-52-21

Vendor Service Bulletin (VSB) : LIEBHERR ABG-SEMCA 744A-21-09

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC) : 21-52-03, 21-52-41



A319/A320/A321

SERVICE BULLETIN

2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND ALL THE CAUTIONS INCLUDED IN THE REFERENCED PROCEDURES.

WARNING : MAKE SURE THAT NO AIR IS SUPPLIED TO THE AIR CONDITIONING SYSTEM FROM THE MAIN ENGINE, THE APU OR A GROUND SOURCE.

(1) Preparation

- (a) Make sure that the aircraft is in a maintenance condition (Refer to AMM 00-00-INTRO, P. Block 001).
- (b) Electrically ground the aircraft (Refer to AMM 12-34-24, P. Block 201).
- (c) For the preparation refer to AMM 21-52-21, P. Block 401.

(2) Standard Practices

None

B. MODIFICATION

- (1) Remove and send to the stores the ACM 757A0000-09 or 757A0000-10 (Refer to AMM 21-52-21, P. Block 401).
- (2) Install the new ACM 1263A0000-01 (Refer to AMM 21-52-21, P. Block 401).

C. TESTS

- (1) Do a test as given in the AMM 21-52-21, P. Block 401.

D. CLOSE-UP

- (1) Make sure that the work area is clean and clear of tools and other items of equipment.
- (2) For the Close-Up procedure (Refer to AMM 21-52-21, P. Block 401).

E. DOCUMENTATION

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.



F. EVALUATION

- (1) The evaluation period is for a maximum of 1000 flight hours.

G. RESTORATION OF AIRCRAFT TO ITS INITIAL CONFIGURATION

- (1) Remove the ACM 1263A0000-01 (Refer to AMM 21-52-21, P. Block 401).
- (2) Install the ACM 757A0000-09 or 757A0000-10 (Refer to AMM 21-52-21, P. Block 401).

H. TESTS

- (1) Do a test as given in the AMM 21-52-21, P. Block 401.

I. CLOSE-UP

- (1) For the Close-Up procedure (Refer to AMM 21-52-21, P. Block 401).
- (2) Make sure that the work area is clean and clear of tools and other items of equipment.

J. DOCUMENTATION

Write in the applicable aircraft records that you have done all the work given in this Service Bulletin.



3. MATERIAL INFORMATION

No Airbus Industrie kit is required for this Service Bulletin. For components required to modify the air conditioning cooling pack refer to LIEBHERR ABG-SEMCA Vendor Service Bulletin 744A-21-09.

A319/A320/A321

SERVICE BULLETIN

AIRBUS INDUSTRIE
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
Tel: (33) 61933333
Telex: AIRBU 530526F

TITLE : AIR CONDITIONING - AIR COOLING - MODIFY THE AIR CONDITIONING PACK
10HM (11HM)

MODIFICATION No. : 26142K4629

ATA SYSTEM : 21

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 if this sheet is returned to us on the purchase date and signed by a duly authorized and empowered officer or representative.

FROM :

AIRLINE :

.....

NAME :

.....

DATE :

.....19..

Please return to :

AIRBUS INDUSTRIE
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice BELLONTE
31707 BLAGNAC CEDEX FRANCE
TEL : (33) 61.93.33.33
TELEX : AIRBU 530526 F