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

SERVICE BULLETIN
REVISION TRANSMITTAL SHEET

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

MODIFICATION NO: 22645K2659

ATA SYSTEM: 21

TITLE : AIR CONDITIONING - FLOW CONTROL AND INDICATING - INSTALL MODIFIED

FLOW CONTROL VALVE

Herewith Revision No. 2 of Service Bulletin A320-21-1044. NO ADDITIONAL WORK IS REQUIRED BY THIS REVISION.

REASON

This revision is issued to update the effectivity.

SUMMARY

- Pages 1 of 2

EFFECTIVITY updated.

SERVICE BULLETIN

- Page 1 of 9

EFFECTIVITY updated.

- Page 2

EFFECTIVITY updated.

- Page 3

EFFECTIVITY updated.

FILING INSTRUCTIONS

- Replace the Summary page 1 of 2.

- Replace the Service Bulletin pages 1 of 9, 2 and 3.

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

REVISION SEQUENCE

- Original: Oct 21/91

- Revision No: 1 - Jan 14/93 - Revision No: 2 - MAR 12/93

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SERVICE BULLETIN SUMMARY

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

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

MODIFICATION NO: 22645K2659

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - FLOW CONTROL AND INDICATING - INSTALL MODIFIED FLOW CONTROL VALVE

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin is published to advise operators of the issue of LIEBHERR ABG SEMCA Service Bulletin 751A-21-03. Operational experience has shown that the flow control valve operation can be affected due to dust contamination. The installation of a modified flow control valve will improve the reliability.

EFFECTIVITY

This Service Bulletin is applicable to the following operators:

AAA, ACA, ADR, AFR, AMC, ANA, BAW, BV, CDN, CYP, DLH, FHA, GFA, HP, IAC IBE, ITF, KAC, MSR, MXA, NWA, OYC, RJA, SAA, TAR, XP, XR, XS and XZ.

This modification is embodied, prior to delivery, on A/C MSN 316, 352, 356, 367, 369 and subsequent.

SERVICE BULLETIN/MODIFICATION TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None

REFERENCES/REPERCUSSIONS

TFU: 21.51.51.03

LIFE LIMIT:

None

OEB: None

LINE MAINTENANCE AFFECTED: None

AOT: None

OTHERS:

RFW D0102/90

SIL: None

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NATURE OF THE MODIFICATION

AIRCRAFT: NO

EQUIPMENT: YES

HARD: YES

SOFT: NO

OBRM: NO

COMPLIANCE

Desirable

MANPOWER

per Aircraft

Total manhours:

6.5

Elapsed time (hours):

4.0

MATERIAL INFORMATION

Aircraft Data: None

Equipment Data:

Designation: Flow Control Valve

Supplier: LIEBHERR ABG SEMCA

Service Bulletin No.: 751A-21-03

Part Number Before: 751A0000-05

Part Number After: 751A0000-06

Interchangeability Code: 02

Intermixability: It is possible to use the air conditioning system even if only

one of the two flow control valves is modified.

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MODIFICATION NO: 22645K2659

ATA SYSTEM: 21

T I T L É: AIR CONDITIONING - FLOW CONTROL AND INDICATING - INSTALL MODIFIED FLOW CONTROL VALVE

1. PLANNING INFORMATION

A. EFFECTIVITY

- (1) Aircraft Models: 320-111, 320-211, 320-212, 320-231
- (2) Aircraft

	Customer and Fleet No.	MSN	Qty of Kits None
	AAA 001-012	022,023,024,025,026,027,	
i		029,030,140,142,157,229	
	ACA 201-231	059,068,073,084,122,126,	
	•	127, 141, 149, 150, 154, 159,	
		183,233,242,248,253,254,	
		255,265,277,290,310,311,	
		324,330,333,341,342,350,	
1		359	
	ADR 001-003	043,113,114	
	AFR 001-002,	005,007,014,019,020,021,	
	004-008	002	
	AFR 031-048	061,062,063,100,101,102,	
		128, 129, 133, 186, 187, 188,	
	•	226,227,228,285,286,287	
	AMC 001,002	112,293	
	ANA 001-013	138, 139, 148, 151, 167, 170,	
-	,,,,,,	196,212,219,245,300,328	
•		365	
-	BAW 001-010	006,008,011,017,018,039,	
		042,103,109,120	
	BV 051,052	185,191	
	CDN 401-411	174, 175, 210, 231, 232, 279,	
•	CDN 401 411	283,284,302,305,309	
	CYP 001-007	028,035,037,038,180,256,	
		295	

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		tomer and et No.	MSN	Qty of Kits None
	DLH	001-032	069,070,071,072,078,083, 086,093,094,104,105,110, 111,116,117,135,137,147, 161,162,172,200,201,202, 209,216,217,218,267,268, 269,346	
	FΗΔ	001	332	
		801-803	313,325,345	
	HP	620-622,	052,053,054,055,064,065;	
	•••	624-629,	066,067,076,077,081,082,	
		631-640	091,092,098,099,347,354,	
	IAC	001-012,	045,046,047,048,049,050,	
		014-019,	051,056,057,058,074,075,	
		,	080,089,090,095,096,097	
	IBE	001-021	134, 136, 143, 146, 158, 173,	
			176, 177, 199, 207, 223, 224,	
			240,241,246,264,266,274,	
1			303,312,323	
1	ITF	001-003	010,012,013,016,033,036,	
		005-021	044,004,003,108,115,130,	
		023,024	155, 156, 184, 214, 239, 258,	
		-	278,337,236,237	
	ITF	201,202	144,145	
	ITF	301,302	204,211	
	ITF	401-403	215,244,270	
N	KAC	001-003	181, 182, 195	
-	MSR	001-007	165, 166, 178, 194, 198, 351	
			366	
	MXA	001-012	252,259,260,261,275,276,	
l			296,320,321,353,361,368	
ı	NWA	301-338	031,032,034,040,041,060,	
			106, 107, 118, 121, 125, 152,	
			153, 160, 171, 192, 197, 206,	
			208,213,262,263,272,273,	
			281,282,297,298,306,307,	
			318,319,329,339,340,355,	
			358,360	
_		001-006	163, 164, 168, 169, 179, 193	
		001-002	087,088	•
_		001-006	243,249,250,251,334,335	
	TAR	001-003,	119, 124, 205	
		007	123	
	XP	001	085	
	XP	051-059	203,220,221,222,294,299, 301,348,349	

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		tomer and et No.	MSN	Qty of Kits None
	ХP	501-503	344,362,363	
	XR	501-517	225,230,238,247,257,271,	
			280,291,292,304,308,314,	
_			315,317,327,336,338	
ı	M/XS	001,002	322,326	
_	XZ	001-004	131,132,189,190	
	XZ	101-106	234,235,288,289,331,343	

This modification is embodied, prior to delivery, on A/C MSN 316, 352, 356, 367, 369 and subsequent.

(3) Spares

Flow Control Valve, 751A0000-05

B. REASON

(1) History

This Service Bulletin is published to advise operators of the issue of LIEBHERR ABG SEMCA Service Bulletin 751A-21-03. Operational experience has shown that the flow control valve operation can be affected due to dust contamination.

(2) Objective/Action

To install a modified flow control valve.

(3) Advantages

Improved reliability.

(4) Accomplishment Timescale

In accordance with the operator's maintenance planning.

C. DESCRIPTION

Accomplishment of this Service Bulletin consists of:

(1) Removing the flow control valve.

NOTE: Return the flow control valve for modification to LIEBHERR ABG SEMCA or an approved repair station as detailed in the Vendor Service Bulletin 751A-21-03.

(2) Installing the modified flow control valve.

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D. APPROVAL

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

E. MANPOWER

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

	Manhours/Aircraft
Gain access	2.0
Modification	1.5
Test	0.5
Close-Up Total manhours	2.5 6.5
Elapsed time (hours)	4.0

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.

F. MATERIAL - COST AND AVAILABILITY

(1) Material

For items to accomplish the LIEBHERR ABG SEMCA Service Bulletin 751A-21-03 operators should contact:

LIEBHERR Postfach 1363 D-8998 Lindenberg Federal Republic of Germany

(2) Cost and Availability

Free of charge

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G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

MEW = + 0.150 kg (+ 0.331 lb.) EFFECT ON BALANCE = + 2.480 kgm (+ 17.938 lb.ft.)

I. REFERENCES

Aircraft Maintenance Manual (AMM) 12-34-24, 21-51-00, 21-51-51, 52-10-00, 53-35-13

LIEBHERR ABG SEMCA Service Bulletin 751A-21-03

J. PUBLICATION AFFECTED

Illustrated Parts Catalog (IPC) 21-51-03, 21-51-51

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2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

- (1) Electricaly ground the aircraft (Refer to AMM 12-34-24, P.Block 201).
- (2) Put the access platforms in position.
- (3) Open the passenger/crew door (Refer to AMM 52-10-00,P. Block 001).
 - (4) Open, safety and tag the circuit breakers as given in AMM 21-51-51, P. Block 401.
 - (5) Open the access panels 191KB and 192KB (Ref. AMM 53-35-13, P. Block 401).

B. MODIFICATION

(1) Remove the flow control valves 8HB and 11HB (Ref. AMM 21-51-51, P. Block 401).

NOTE: Send the Flow Control Valves for modification to LIEBHERR ABG SEMCA or an approved repair station as given in Vendor Service Bulletin 751A-21-03.

(2) Install the modified flow control valves 8HB and 11HB (Ref. AMM 21-51-51, P. Block 401).

C. TEST

ı

(1) Do an operational test of the flow control and indicating system as given in AMM 21-51-00, P. Block 501.

D. CLOSE-UP

- (1) Make sure that the modification area is clean and clear of tools and other items.
- (2) Close the access panels 191KB and 192KB (Ref. AMM 53-35-13, P. Block 401).
- (3) Remove the safety clips and tags and close the circuit breakers which you opened in para. 2. A. (4).
- (4) Close the passenger/crew door (Refer to AMM 52-10-00, P. Block 001).
- (5) Remove the access platforms.

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3. MATERIAL INFORMATION

Refer to LIEBHERR ABG SEMCA Service Bulletin 751A-21-03.

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MODIFICATION NO: 22645K2659

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - FLOW CONTROL AND INDICATING - INSTALL MODIFIED

FLOW CONTROL VALVE

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 :	AIRBUS INDUSTRIE
	PRODUCT SUPPORT DIRECTORATE 1 Rond Point Maurice BELLONTE
NAME :	31707 BLAGNAC CEDEX FRANCE
•••••	Att.: AI/SP - Technical Publications Department
DATE:	•
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