\$ A320/A321

SERVICE BULLETIN REVISION TRANSMITTAL SHEET

Airbus Industrie Customer Services Directorate Technical Publications 1, Rond Point Maurice Bellonte 31707 Blagnac Cedex France Tel: (33) 61933333 Telex: Airbus 530526F

TITLE: AIR CONDITIONING - COCKPIT AND CABIN TEMPERATURE CONTROL - INSTALL AN IMPROVED ZONE TEMPERATURE CONTROLLER 8HK

MODIFICATION No.: 24139K3599

ATA SYSTEM: 21

This page transmits Revision No. 01 of Service Bulletin No. A320-21-1086.

No more work is necessary to do this revision.

REASON

This Revision is issued to update the Service Bulletin Effectivity.

CHANGES

SERVICE BULLETIN

Pages 2, 3 and 4 have been revised to update the Service Bulletin effectivity.

FILING INSTRUCTIONS

Replace the complete Service Bulletin with this Revision.

Put this Revision Transmittal Sheet in front of the Service Bulletin.

RECORD OF REVISIONS

There are no previous revisions to this Service Bulletin.

REVISION SEQUENCES

ORIGINAL: Dec 01/94

REVISION No.: - Sep 17/96

6 DATE : Dec 01/94 SERVICE BULLETIN No. : A320-21-1086

SERVICE BULLETIN SUMMARY

Airbus Industrie Customer Services Directorate Technical Publications 1, Rond Point Maurice Bellonte 31707 Blagnac Cedex France Tel: (33) 61933333 Telex: Airbus 530526F

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

TITLE: AIR CONDITIONING - COCKPIT AND CABIN TEMPERATURE CONTROL - INSTALL AN IMPROVED ZONE TEMPERATURE CONTROLLER 8HK

MODIFICATION No. : 24139K3599

ATA SYSTEM: 21

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Due to technical requirements at the time of A320 design, two different types of Zone Controller (ZC) were generated - 775A0000 and 775B0000. With the introduction of the A321 aircraft, a further derivative of the ZC was developed - 775C0000. To ease handling of ZCs for operators with a mixed A320/A321 fleet, the 775C-03 ZC was designed to accommodate the requirements of the 775A and the 775B. This common standard ZC is now available and is being installed on all A320 and A321 aircraft which are on the production line. For operators with 775A and 775B ZCs, the 775C offers suppression of the unjustified message "L/R WAI FILTER OR VALVE". Additionally, some minor improvements have been introduced.

EFFECTIVITY

This Service Bulletin is applicable to these customers:
AAA, ACA, ADR, AFR, AIB, ALK, AMC, ANA, AZA, BAW, BV, CDN, CYP,
DLH, FHA, GFA, HP, IAC, IBE, ITF, KAC, MON, MSR, MXA, NWA, OYC,
RJA, SAA, SHK, SWR, TAR, UAL, XF, XP, XR, XW, XZ

SERVICE BULLETIN(S) TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None

REFERENCES/REPERCUSSIONS

TFU : 30.11.00.014

OEB : None

AOT : None

SIL : None

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SERVICE BULLETIN SUMMARY

LIFE LIMIT

: None

LINE MAINTENANCE AFFECTED : None

OTHER

: None

NATURE OF THE WORK

AIRCRAFT :

NO

EQUIPMENT:

YES

HARD:

YES

SOFT:

NO

OBRM:

NO

COMPLIANCE

Optional

MANPOWER

TOTAL MANHOURS

1.50

ELAPSED TIME (HOURS)

1.50

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SERVICE BULLETIN SUMMARY

MATERIAL INFORMATION

AIRCRAFT DATA

None

EQUIPMENT DATA

Designation: Zone Controller

Supplier: Liebherr Aero Technik GmbH.

Service Bulletin No.: None

Old Part Number : 775A0000-06

or

775A0000-07

New Part Number : 77500000-03

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

Mixability: N/A

APPENDICES

None

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TITLE : AIR CONDITIONING - COCKPIT AND CABIN TEMPERATURE CONTROL - INSTALL

AN IMPROVED ZONE TEMPERATURE CONTROLLER 8HK

MODIFICATION No.: 24139K3599

ATA SYSTEM: 21

1. PLANNING INFORMATION

A. <u>EFFECTIVITY</u>

(1) Aircraft models: A320-111, -211, -212, -231, -232

(2) Aircraft

	omer and t No.	MSN	Kit No. None	Qty of Kits	Config. No.
AAA	001-012	022,023,024,025,026,027, 029,030,140,142,157,229		12	
ACA	201-234	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, 359,378,384,426		34	
ADR	001-003	043,113,114		. 3	
AFR	001, 002	005,007		2	
	004-008	014,019,020,021,002		4	
	031-048	061,062,063,100,101,102, 128,129,133,186,187,188, 226,227,228,285,286,287		18	
AIB	001	258		1	
ALK	001, 002	374,406		2	
AMC	001, 002	112,293		2	

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Customer and Fleet No.			MSN	Kit No. None	Qty of Kits	Config. No.
	ANA	001-017	138,139,148,151,167,170, 196,212,219,245,300,328, 365,383,413,482,501		17	
	AZA	001, 005	477,434		2	
	BAW	001-010	006,008,011,017,018,039, 042,103,109,120		10	
	BV	051, 052	185,191		2	
	CDN	401-405	174,175,210,231,232		5	
		407-411	283,284,302,305,309		5	
		415, 416	403,404		2	
	CYP	001-008	028,035,037,038,180,256, 295,316		8	
	DLH	001-010	069,070,071,072,078,083, 086,093,094,104	-	10	
		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		23	
		101-104	458,468,473,474		4	
		106-108	493,412,502		3	
	FHA	001, 002	332,369		2	
	GFA	801-812	313,325,345,375,419,421, 438,445,459,466,481,497		12	
	HP	620-622	052,053,054		3	
		624-629	055,064,065,066,067,076		6	
		631-637	077,081,082,091,092,098, 099		7	
	IAC	001-012	045,046,047,048,049,050, 051,056,057,058,074,075		12	
		014-031	080,089,090,095,096,097, 396,398,416,423,431,432, 451,469,486,490,492,499		18	

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Customer and Fleet No.	MSN	Kit No. None	Qty of Kits	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		22	
ITF 001-003 005-018	010,012,013 016,033,036,044,004,003, 108,115,130,155,156,184, 214,239		3 14	
020-026	278,337,352,236,237,377, 491		7	
201, 202 301, 302 401-403	144,145 204,211 215,244,270		2 2 3	
KAC 001-003	181,182,195		3	
MON 001, 002	379,389		2	
MSR 001-007	165,166,178,194,198,351, 366		7	
MXA 001-016	252,259,260,261,275,276, 296,320,321,353,361,368, 376,386,405,433		16	
NWA 301-350	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, 358,360,367,372,380,381, 387,388,399,400,408,410, 417,418		50	
oyc 001-006	163,164,168,169,179,193		6	
RJA 001, 002	087,088		2	
SAA 001-007	243,249,250,251,334,335, 440	•	7	
SHK 001-003	322,326,344		3	

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Customer and Fleet No.			MSN	Kit No. None	Qty of Kits	Config. No.
	TAR	001-007	119,124,205,370,390,402, 123		7	
	UAL	401-423	435,439,442,450,452,454, 456,457,462,463,464,465, 470,472,475,479,483,485, 487,489,500,503,504		23	
	XF	001~007	393,394,414,430,443,447, 415		7	
		053, 054	428,496		2	
		101-105	425,448,453,460,461		5	
		501-507	446,422,491,371,397,409, 427		7	
		551	279		1	
	ΧP	001	085		1	
		051-059	203,220,221,222,294,299, 301,348,349		9	
		062, 063	391,392		2	
		502-505	362,363,455,471		4	
	XR	501-525	225,230,238,247,257,271, 280,291,292,304,308,314, 315,317,327,336,338,429, 444,449,467,476,478,480, 437		25	
	XW	501-506	347,354,357,373,411,424		6	
		509	441		1	
	ΧZ	001-004	131,132,189,190		4	
	,,_	101-110	234,235,288,289,331,343, 395,407,420,436		10	

UNASSIGNED AIRCRAFT:

364, 385,

The modification is embodied before delivery on aircraft MSN 506 and subsequent.

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SERVICE BULLETIN

(3) Spares

Zone Controller P/N 775A0000-06 or 775A0000-07

B. REASON

(1) History

Due to technical requirements at the time of A320 design, two different types of Zone Controller (ZC) were generated - 775A0000 and 775B0000. With the introduction of the A321 aircraft, a further derivative of the ZC was developed - 775C0000. To ease handling of ZCs for operators with a mixed A320/A321 fleet, the 775C-03 ZC was designed to accommodate the requirements of the 775A and the 775B. This common standard ZC is now available and is being installed on all A320 and A321 aircraft which are on the production line.

(2) Objective/Action

This Service Bulletin describes the work to be done to replace the ZC.

(3) Advantages

Handling of ZCs for operators with mixed A320/A321 fleets is eased by fleet standardisation. For operators with 775A and 775B ZCs, the 775C offers suppression of the unjustified message "L/R WAI FILTER OR VALVE". Additionally, some minor improvements have been introduced.

(4) Operational/Maintenance Consequences

None

(5) Accomplishment Timescale

According to the operators' maintenance planning.

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SERVICE BULLETIN

C. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

- (1) Remove the Zone Controller 8HK
- (2) Install the New Zone Controller 8HK.

D. APPROVAL

The design data contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. C 01. This 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. C 01, 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.

Gain access	-
Modification	0.50
Test	0.50
Close-up	0.50
TOTAL MANHOURS	1.50
ELAPSED TIME (HOURS)	1.50

F. MATERIAL - COST AND AVAILABILITY

(1) Material

No Airbus Industrie kit will be supplied with this Service Bulletin. Terms of procurement are to be negotiated with the vendor:

Liebherr-Aero- Technik GmbH Postfach 1363 D-88161 Lindenberg GERMANY

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(2) Cost and Availability

Refer to Vendor

G. TOOLING - PRICE AND AVAILABILITY

None

H. WEIGHT AND BALANCE

Manufacturers Empty Weight : Not affected

Effect on Balance

: None

I. <u>REFERENCES</u>

Aircraft Maintenance Manual (AMM) : 21-63-34

J. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC) : 21-63-08, 21-63-34

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SERVICE BULLETIN

2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

(1) Preparation

None

(2) Standard Practices

None

B. MODIFICATION

- (1) Remove the Zone Controller 8HK.
 - (a) Remove the Zone Controller 8HK (Ref. AMM 21-63-34, P. Block 401).
- (2) Install the new Zone Controller 8HK.
 - (a) Install the Zone Controller 775C0000-03 (Ref. AMM 21-63-34, P. Block 401).

C. TESTS

Do an operational test of the cockpit and cabin temperature control (Ref. AMM 21-63-34, P. Block 501).

D. CLOSE-UP

(1) Make sure that the work area is clean and clear of tools and other items of equipment.

E. DOCUMENTATION

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

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3. MATERIAL INFORMATION

A. LIST OF COMPONENTS

ITEM	NFW	PART	NO	QTY	KEYWORD	ITEM	OL D	PART	NO.	INT	INST
											DISP
	775	:0000-	-03	1	Zone Controller			775AOC	00-06		(A)
							or	775A00	00-07		(A)

(A) No Airbus Industrie kit will be supplied with this Service Bulletin. Terms of procurement are to be negotiated with the vendor:

Liebherr-Aero- Technik GmbH Postfach 1363 D-88161 Lindenberg GERMANY

Tel.(0)8381/46-0 Fax.(0)8381/46-377 Telex.541118 LAT LBG

B. SPECIAL TOOLS

None

C. LIST OF MATERIAL - OPERATOR SUPPLIED

None

D. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

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AN IMPROVED ZONE TEMPERATURE CONTROLLER 8HK

MODIFICATION No.: 24139K3599

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 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:
AIRLINE:
NAME:
DATE:

Please return to:

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

Att. : AI/SP - Technical Publications
Department

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