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

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SERVICE BULLETIN SUMMARY

Telex: AIRBU 530526 F

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

MODIFICATION NO: 23270K3066

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - FLIGHT COMPARTMENT AND CABIN TEMPERATURE CONTROL - INTRODUCE AN IMPROVED TRIM AIR PRESSURE-REGULATING VALVE

REASON/DESCRIPTION/OPERATION CONSEQUENCES

This Service Bulletin is issued to advise operators of A320 aircraft of the issue of Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03. This also enables the operators to report the accomplishment of this Service Bulletin to AIRBUS INDUSTRIE for updating of the associated technical publications.

This Service Bulletin deals with the replacement or modification of the Trim-Air Pressure Regulating Valve (TAPRV). The accomplishment of this Service Bulletin will improve the valve reliability of the cockpit and cabin Trim-Air Valve (TAV) upstream pressure control.

EFFECTIVITY

This Service Bulletin is applicable to these operators:

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

SERVICE BULLETIN TO BE ACCOMPLISHED PREVIOUSLY OR SIMULTANEOUSLY

None

REFERENCES/REPERCUSSIONS

TFU: None

LIFE LIMIT

LINE MAINTENANCE AFFECTED: No

: None

OEB : None

AOT : None

SIL: None

OTHER: None

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NATURE OR WORK

AIRCRAFT: No EQUIPMENT: Yes HARD: No SOFT: No OBRM: No

COMPLIANCE

Optional

MANPOWER Manhours/Aircraft

Manhours 5.5

Elapsed time (hours) 4.5

NOTE: Refer also to Liebherr Aero Technik GmbH Service Bulletin. No. 746A-21-03.

MATERIAL INFORMATION

Refer to Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.

AIRCRAFT DATA

None

EQUIPMENT DATA

Designation : Pressure Regulating Valve (PRV)

Supplier : Liebherr Aero Technik GmbH

Service Bulletin: 746A-21-03
Part Number Before: 746A0000-04
Part Number After: 746A0000-05
Interchangeability code: 02

Intermixability : Not affected

APPENDICES

None

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MODIFICATION NO: 23270K3066

ATA SYSTEM: 21

T I T L E : AIR CONDITIONING - FLIGHT COMPARTMENT AND CABIN TEMPERATURE CONTROL -INTRODUCE AN IMPROVED TRIM AIR PRESSURE-REGULATING VALVE

1. PLANNING INFORMATION

A. EFFECTIVITY

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

(2) Aircraft

Customer and Fleet No.	MSN	Kit No. None	Qty of None	Kits.	Config No.
AAA 001-012	022,023,024,025,026,027, 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, 359				
ADR 001-003	043,113,114				
AFR 001,002 004-008 031-048	005,007 014,019,020,021,002 061,062,063,100,101,102, 128,129,133,186,187,188, 226,227,228,285,286,287				
AIB 001	258				
AMC 001,002	112,293				
ANA 001-012	138,139,148,151,167,170, 196,212,219,245,300,328				

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Customer and Fleet No.	MSN	Kit No. None	Qty of Kits. None	Config No.
BAW 001-010	006,008,011,017,018,039, 042,103,109,120			
BV 051,052	185,191			
CDN 401-405 407-411	174,175,210,231,232 283,284,302,305,309			
CYP 001-008	028,035,037,038,180,256, 295,316			
DLH 001-010 012-032	069,070,071,072,078,083, 086,093,094,104 110,111,116,117,135,137, 147,161,162,172,200,201, 202,209,216,217,218,267, 268,269,346			
FHA 001	332			
GFA 801-803	313,325,345			
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			
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			
020-024 201,202	010,012,013 016,033,036,044,004,003, 108,115,130,155,156,184, 214,239 278,337,352,236,237 144,145			
301,302 401-403	204,211 215,244,270			
KAC 001-003	181,182,195			

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	omer and t No.	MSN	Kit No. None	Qty of Kits. None	Config No.
MSR	001-006	165, 166, 178, 194, 198, 351			
AXM	001-011	252,259,260,261,275,276, 296,320,321,353,361			
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	·		
OYC	001-006	163, 164, 168, 169, 179, 193		·	
RJA	001,002	087,088			
SAA	001-006	243,249,250,251,334,335			
SHK	001-003	322,326,344			
TAR	001-003 007	119,124,205 123			
XF	551	279			,
XP	001 051-059 502,503	085 203,220,221,222,294,299, 301,348,349 362,363			
XR	501-517	225,230,238,247,257,271, 280,291,292,304,308,314, 315,317,327,336,338			
XW	501-503	347,354,357			
XZ	001-004 101-106	131,132,189,190 234,235,288,289,331,343			

This modification is embodied, before delivery, on A/C MSN 365 and subsequent.

NOTE: No Airbus Industrie Kit is required for this modification.

(3) Spares

PRESSURE REGULATING VALVE P/N 746A0000-05

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B. REASON

(1) History

This Service Bulletin is issued to advise the operators of 320/321 aircraft of the issue of Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03. This also enables the operators to report the accomplishment of this Service Bulletin to AIRBUS INDUSTRIE for updating of the associated technical publications.

(2) Objective/Action

This Service Bulletin deals with the replacement or modification of the Trim-Air Pressure Regulating Valve (TAPRV) for the cockpit and cabin temperature-control system.

(3) Advantages

The accomplishment of this Service Bulletin will improve the valve reliabilty of the cockpit and cabin Trim-Air Valve (TAV) upstream pressure control.

(4) Operational/Maintenance Consequences

None

(5) Accomplishment Timescale

In accordance with the operators maintenance planning.

C. DESCRIPTION

To accomplish this Service Bulletin it is necessary to:

- (1) Remove the TAPRV 746A0000-04.
- (2) Modify the TAPRV 746A0000-04 in accordance with Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.
- (3) Install the TAPRV 746A0000-05, modified as per Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.

D. APPROVAL

The design data contained in this Service Bulletin has been approved under the authority of DGAC Design Organisation Approval No. CO1. 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. CO1, when they are minor.

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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 time or administration.

Manhours

	Aircraft	<u>Bench</u>
Gain Access	0.50	
Modification	3.50	Refer to Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03
Close-Up	0.50	
Test	1.00	
Total Manhours	5.50	
Elapsed time (hours)	4.50	

F. MATERIAL - COST AND AVAILABILITY

(1) Material

Terms of procurement are to be negotiated directly with:

Liebherr Aero Technik GmbH Postfach 1363 D-8998 Lindenberg Germany Tel. (08381) 46-1

(2) Cost and Availability

Refer to Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.

G. TOOLING - PRICE AND AVAIABILITY

None

H. WEIGHT AND BALANCE

Not affected

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J. REFERENCES

Aircraft Maintenance Manual (AMM): 21-63-00, 21-63-52, 24-00-00, 24-41-00 Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.

K. PUBLICATIONS AFFECTED

Illustrated Parts Catalog (IPC)): 21-63-03, 21-63-52

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2. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

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

(1) Preparation

- (a) Electrically ground the aircraft (Ref. AMM 24-00-00, P. Block 301).
- (b) Open, safety and tag the apllicable ciricuit breakers (Refer to AMM 21-63-52, P. Block 401).

B. MODIFICATION

- (1) Get access to the TAPRV (Ref. AMM 21-63-52, P. Block 401).
- (2) Remove the TAPRV (Ref. AMM 21-63-52, P. Block 401).
- (3) Do a modification to the TAPRV (Ref. Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03).
- (4) Install the TAPRV (Ref. AMM 21-63-52, P. Block 401).
- (5) Re-identify the TAPRV with the P/N No. 746A0000-05.

C. TEST

- (1) Energize the aircraft electrical circuits (Ref. AMM 24-41-00, P. Block 201).
- (2) Remove the safety clips and tags and close the circuit breakers that you have opened in para. 2.A. (1) (b).
- (3) Do a functional test of the temperature control system (Ref. AMM 21-63-00, P. Block 501).
- (4) De-energize the aircraft electrical circuits (Ref. AMM 24-41-00, P. Block 201).



D. CLOSE-UP

(1) Make sure the work areas are clean and clear of tools and other items of equipment.

E. DOCUMENTATION

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

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3. MATERIAL INFORMATION

A. LIST OF COMPONENTS

No Airbus Industrie Kit is required.

Refer to Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.

B. SPECIAL TOOLS

None

C. LIST OF MATERIAL - OPERATOR SUPPLIED

None

D. PART TO BE RE-IDENTIFIED BY OPERATOR

Refer to Liebherr Aero Technik GmbH Service Bulletin No. 746A-21-03.

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