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SERVICE BULLETIN

REVISION TRANSMITTAL SHEET

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Tel : (33) 5 61 93 33 33

Telex : AIRBU 530526F

Fax : (33) 5 61 93 42 51

ATA SYSTEM : 21

TITLE : AIR CONDITION - PACK TEMPERATURE CONTROL - INSTALL IMPROVED PACK

TEMPERATURE-CONTROLLERS (7HH AND 27HH)

MODIFICATION No . : 23987K3521

This page transmits Revision No 01 of Service Bulletin No A320-21-1106 . ADDITIONAL WORK

No additional work is required by this revision for aircraft modified by any

previous issue .

REASON

This Revision has been issued to update the interchangeability and the

mixability of the pack temperature-controllers .

CHANGES

SUMMARY

— Material information, interchangeability/mixability updated . PLANNING INFORMATION

— Para . L . , interchangeability/mixability updated .

MATERIAL INFORMATION

— Para . D . (2), interchangeability/mixability updated .

NOTE : Layout changes due to computerization of this revision are not

identified .

FILING INSTRUCTIONS

This Service Bulletin has been generated electronically and is re-issued as

a complete document . Replace the complete document .

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

HISTORY OF PREVIOUS REVISIONS

No previous revisions .

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REVISION No . : 01 — May 05/04

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REVISION SEQUENCE ORIGINAL : Aug

REVISION No . :

SERVICE BULLETIN

REVISION TRANSMITTAL SHEET

09/96

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SERVICE BULLETIN

SUMMARY

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1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Tel : (33) 5 61 93 33 33

Telex : AIRBU 530526F

Fax : (33) 5 61 93 42 51

This summary is for information only

and is not approved for modification of the aircraft

ATA SYSTEM : 21

TITLE : AIR CONDITION - PACK TEMPERATURE CONTROL - INSTALL IMPROVED PACK

TEMPERATURE-CONTROLLERS (7HH AND 27HH)

MODIFICATION No . : 23987K3521

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

The original de-ice function of the air conditioning packs was achieved by the

anti-ice valve (AIV) via a pressure drop measurement across the condenser . Due

to sticky behavior of the AIV 748A0000-05, this function was not properly

achieved, resulting in reliability deterioration for some Environmental Control

System (ECS) components .

As an immediate means to assure a proper de-icing of the condenser, an automatic

anti-icing cycle has been implemented with the pack temperature-controller

759A0000-08 . The cycle consist of a software-commanded opening of the bypass

valve in defined intervals . This BPV opening preventively melts off potential

ice built-up .

Later, an improved anti-ice valve 748A0000-08 has been introduced (via SB

21-1065) and it is proposed to install it instead of the modified pack

temperature-controller 759A0000-08 up to 759A0000-10 so that the de-icing

function of the air conditioning pack is again achieved by the anti-ice valve

and no longer by the pack temperature-controller .

The accomplishment of this Service Bulletin will allow a common pack

temperature- controller standard for the A319/A320/A321 aircraft .

With the accomplishment of this Service Bulletin, the pack

temperature-controllers 759A0000-10 will be replaced by the pack

temperature-controllers 759C0000-02 which has the automatic anti-icing cycle

deleted and therefore needs to be installed in conjunction with the AIV -08 .

|  |  |  |  |
| --- | --- | --- | --- |
| EVALUATION TABLE | | | |
| COMPLIANCE | OPTIONAL | CANCELS INSPECTION SB | NO |
| POTENTIAL AD | NO | A/C OPERATION AFFECTED | NO |
| RELIABILITY AFFECTED | NO | PAX COMFORT AFFECTED | NO |
| COST SAVING | NO | ETOPS AFFECTED | NO |

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SERVICE BULLETIN

SUMMARY

|  |  |  |  |
| --- | --- | --- | --- |
| EVALUATION TABLE | | | |
| STRUCTURAL LIFE EXTN | NO | VENDOR SB INVOLVED | NO |
| KIT PRICE (USD) | NO AIRBUS KIT |  |  |

EFFECTIVITY

This Service Bulletin is applicable to this (these) operator(s) :

13Y 55Y ACA ADR AEF AFR AJM ALK AMC ANA AWE AWW BAW BGH BWG C9L CNW CRX CSC CTN

CYP D2F DLH F2I G2X GFA GWI GWY HEJ HVN I2L IAC IBE JET KAC LAJ LAO LBT LXR MLD

MON MSR MXA MYT NWA OHY P2C RJA RML RNV RYN S2A SSV TAI TAM TAP TAR TCW TNA UAL

UKM VKG VLE

CONCURRENT REQUIREMENTS

Service Bulletin(s) to be accomplished previously or simultaneously :

Service Bulletin No . A320-21-1058 Mod . No . 23143K2664

Service Bulletin No . A320-21-1065 Mod . No . none

Service Bulletin No . A320-21-1082 Mod . No . 24094K3554

REFERENCES/REPERCUSSIONS

TFU

OEB

AOT

SIL

LIFE LIMIT

: 21 .61 .41 .001

: None

: None

: None

: None

LINE MAINTENANCE AFFECTED : No

OTHERS : None

NATURE OF THE WORK

AIRCRAFT : NO

EQUIPMENT : YES

HARD : NO

SOFT : NO

OBRM : NO

MANPOWER

TOTAL MANHOURS

ELAPSED TIME (HOURS)

MATERIAL INFORMATION

AIRCRAFT DATA

None

1 .75

1 .75

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SERVICE BULLETIN

SUMMARY

EQUIPMENT DATA

Designation : Pack temperature-controller

Supplier : LIEBHERR-AERO-TECHNIK GMBH

Service Bulletin No . : None

Old Part Number : 759A0000-10

New Part Number : 759C0000-02

Interchangeability code : 03

Mixability : No

NOTE : Interchangeability code 03, two way interchangeable only on A320, if

the air conditioning pack has the latest standard anti-ice valve

748A0000-08 (refer to Service Bulletin A320-21-1065) . Installation of

P/N 759A0000-10 on A319 and A321 is not approved .

APPENDICES

None

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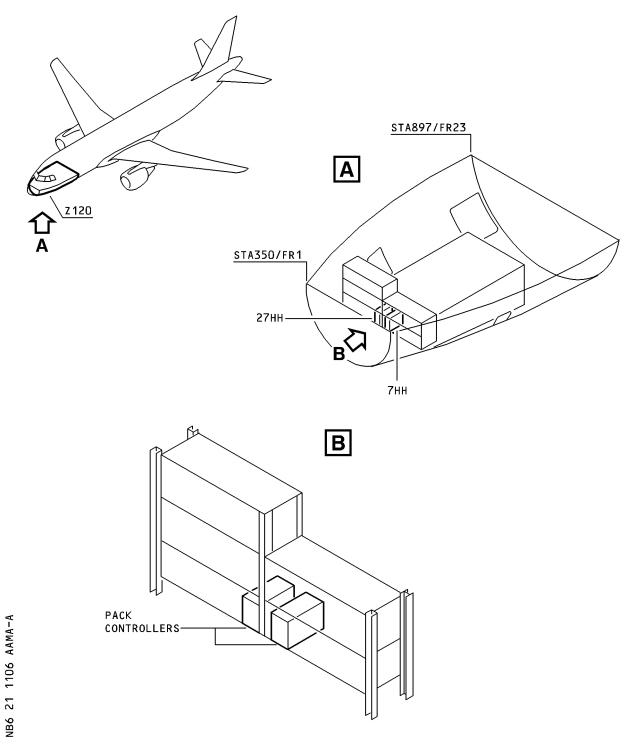
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TEMPERATURE-CONTROLLERS (7HH AND 27HH)

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1. PLANNING INFORMATION

A . EFFECTIVITY

(1) Models

320-111 320-211 320-212 320-214 320-231 320-232 320-233

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0002-0008 0010-0014 0016-0078 0080-0091 0093-0104 0106-0363

0365-0373 0375-0384 0386-0411 0413-0432 0435-0457 0459-0467

0469-0472 0475-0476 0478-0480 0482-0483 0485-0487 0489-0492

0496-0497 0499-0501 0503-0504 0506-0508 0510-0512 0523 0525

0527-0528 0530-0531 0533-0534 0537 0539-0540 0542-0543 0545

0547-0549 0551 0553-0554 0556 0558-0559 0561-0562 0565-0566

0568-0569 0571 0573-0575 0577 0579-0580 0582 0584-0585 0587

0589-0590 0592 0594 0596 0601 0603 0605 0607 0611 0613 0615

0617 0619 0622 0624 0626 0632 0662

(b) Effectivity by Operator

The Operator/MSN relationship is provided for information only

and is correct at the time of issue in accordance with the

information available to AIRBUS . Any future changes resulting

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from transfer of an aircraft from one operator to another will not be reflected in this list unless the Service Bulletin is revised for another reason .

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR  13Y | MSN  0371 |  |  |  |  |  |  |  |  |  |
| 55Y | 0525 | 0579 |  |  |  |  |  |  |  |  |
| ACA | 0059 | 0068 | 0073 | 0084 | 0122 | 0126 | 0127 | 0141 | 0149 | 0150 |
|  | 0154 | 0159 | 0174 | 0175 | 0183 | 0210 | 0231 | 0232 | 0233 | 0242 |
|  | 0248 | 0253 | 0254 | 0255 | 0265 | 0277 | 0279 | 0283 | 0284 | 0290 |
|  | 0302 | 0305 | 0309 | 0310 | 0311 | 0324 | 0330 | 0333 | 0341 | 0342 |
|  | 0350 | 0359 | 0378 | 0384 | 0403 | 0404 | 0426 |  |  |  |
| ADR | 0043 | 0113 | 0114 |  |  |  |  |  |  |  |
| AEF | 0565 | 0575 | 0580 |  |  |  |  |  |  |  |
| AFR | 0002 | 0003 | 0004 | 0005 | 0007 | 0010 | 0012 | 0013 | 0014 | 0016 |
|  | 0019 | 0020 | 0021 | 0033 | 0036 | 0044 | 0061 | 0062 | 0063 | 0100 |
|  | 0101 | 0102 | 0108 | 0115 | 0128 | 0129 | 0130 | 0131 | 0133 | 0144 |
|  | 0145 | 0155 | 0156 | 0184 | 0186 | 0187 | 0188 | 0203 | 0204 | 0211 |
|  | 0214 | 0215 | 0220 | 0226 | 0227 | 0228 | 0235 | 0236 | 0237 | 0239 |
|  | 0244 | 0270 | 0278 | 0285 | 0286 | 0287 | 0337 | 0352 | 0377 | 0491 |
| AJM | 0422 | 0528 | 0624 | 0626 |  |  |  |  |  |  |
| ALK | 0304 | 0315 | 0406 |  |  |  |  |  |  |  |
| AMC | 0112 | 0288 | 0293 | 0331 |  |  |  |  |  |  |
| ANA | 0138 | 0139 | 0148 | 0151 | 0167 | 0170 | 0196 | 0212 | 0219 | 0245 |
|  | 0300  0549 | 0328  0554 | 0365 | 0383 | 0413 | 0482 | 0501 | 0507 | 0531 | 0534 |
| AWE | 0052 | 0053 | 0054 | 0055 | 0064 | 0065 | 0066 | 0067 | 0076 | 0077 |
|  | 0081  0471 | 0082  0527 | 0091  0543 | 0098  0584 | 0099 | 0238 | 0271 | 0317 | 0448 | 0455 |
| AWW | 0022 | 0023 |  |  |  |  |  |  |  |  |
| BAW | 0006 | 0008 | 0011 | 0017 | 0018 | 0039 | 0042 | 0103 | 0109 | 0120 |
| BGH | 0029 |  |  |  |  |  |  |  |  |  |
| BWG | 0530 |  |  |  |  |  |  |  |  |  |
| C9L | 0547 | 0615 | 0632 | 0662 |  |  |  |  |  |  |
| CNW | 0533 | 0548 |  |  |  |  |  |  |  |  |
| CRX | 0577 | 0585 | 0596 | 0603 |  |  |  |  |  |  |
| CSC | 0540 | 0551 | 0556 | 0573 | 0582 |  |  |  |  |  |
| CTN | 0258 |  |  |  |  |  |  |  |  |  |
| CYP | 0028 | 0035 | 0037 | 0038 | 0180 | 0256 | 0295 | 0316 |  |  |
| D2F | 0326 | 0344 | 0478 |  |  |  |  |  |  |  |
| DLH | 0069 | 0070 | 0078 | 0083 | 0093 | 0094 | 0104 | 0110 | 0111 | 0116 |
|  | 0117 | 0135 | 0137 | 0161 | 0162 | 0172 | 0200 | 0201 | 0202 | 0209 |
|  | 0216 | 0217 | 0218 | 0267 | 0268 | 0269 | 0346 | 0401 |  |  |
| F2I | 0322 | 0545 | 0566 |  |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| G2X | 0132 | 0234 |  |  |  |  |  |  |  |  |
| GFA | 0325  0537 | 0375 | 0409 | 0419 | 0421 | 0438 | 0445 | 0459 | 0466 | 0497 |
| GWI | 0071 | 0072 | 0086 | 0147 | 0382 |  |  |  |  |  |
| GWY | 0427 |  |  |  |  |  |  |  |  |  |
| HEJ | 0425 |  |  |  |  |  |  |  |  |  |
| HVN | 0590 | 0594 | 0601 | 0605 | 0607 | 0611 | 0617 | 0619 |  |  |
| I2L | 0542 |  |  |  |  |  |  |  |  |  |
| IAC | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0056 | 0057 | 0058 |
|  | 0074 | 0075 | 0080 | 0089 | 0090 | 0095 | 0096 | 0097 | 0168 | 0179 |
|  | 0247 | 0257 | 0308 | 0314 | 0327 | 0336 | 0362 | 0376 | 0386 | 0396 |
|  | 0398  0499 | 0416 | 0423 | 0431 | 0432 | 0451 | 0469 | 0486 | 0490 | 0492 |
| IBE | 0134 | 0136 | 0143 | 0146 | 0158 | 0173 | 0176 | 0177 | 0199 | 0207 |
|  | 0223  0323 | 0224  0356 | 0240 | 0241 | 0246 | 0264 | 0266 | 0274 | 0303 | 0312 |
| JET | 0363 | 0393 | 0414 |  |  |  |  |  |  |  |
| KAC | 0181 | 0182 | 0195 |  |  |  |  |  |  |  |
| LAJ | 0480 |  |  |  |  |  |  |  |  |  |
| LAO | 0024 |  |  |  |  |  |  |  |  |  |
| LBT | 0140 | 0157 | 0222 | 0299 | 0348 |  |  |  |  |  |
| LXR | 0191 | 0221 | 0395 |  |  |  |  |  |  |  |
| MLD | 0622 |  |  |  |  |  |  |  |  |  |
| MON | 0379 | 0389 | 0391 | 0392 |  |  |  |  |  |  |
| MSR | 0165 | 0166 | 0178 | 0194 | 0198 | 0351 | 0366 |  |  |  |
| MXA | 0225 | 0252 | 0259 | 0260 | 0261 | 0275 | 0276 | 0280 | 0291 | 0292 |
|  | 0296 | 0320 | 0321 | 0332 | 0347 | 0353 | 0361 | 0368 | 0369 | 0373 |
|  | 0405 | 0415 | 0428 | 0430 | 0447 | 0467 |  |  |  |  |
| MYT | 0163  0444 | 0164  0449 | 0169 | 0193 | 0230 | 0338 | 0349 | 0424 | 0429 | 0437 |
| NWA | 0031 | 0032 | 0034 | 0040 | 0041 | 0060 | 0106 | 0107 | 0118 | 0121 |
|  | 0125 | 0152 | 0153 | 0160 | 0171 | 0192 | 0197 | 0206 | 0208 | 0213 |
|  | 0262 | 0263 | 0272 | 0273 | 0281 | 0282 | 0297 | 0298 | 0306 | 0307 |
|  | 0318 | 0319 | 0329 | 0339 | 0340 | 0355 | 0358 | 0360 | 0367 | 0372 |
|  | 0380 | 0381 | 0387 | 0388 | 0399 | 0400 | 0408 | 0410 | 0417 | 0418 |
| OHY | 0313 | 0345 |  |  |  |  |  |  |  |  |
| P2C | 0025 | 0030 | 0142 | 0553 | 0559 | 0562 | 0574 |  |  |  |
| RJA | 0087 | 0088 | 0289 | 0407 | 0569 |  |  |  |  |  |
| RML | 0397 |  |  |  |  |  |  |  |  |  |
| RNV | 0229 |  |  |  |  |  |  |  |  |  |
| RYN | 0460 |  |  |  |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR  S2A | MSN  0026 |  |  |  |  |  |  |  |  |
| SSV | 0476 | 0496 |  |  |  |  |  |  |  |
| TAI | 0461 | 0558 | 0561 |  |  |  |  |  |  |
| TAM | 0243 | 0249 | 0250 | 0251 | 0334 | 0335 | 0440 | 0453 |  |
| TAP | 0185 |  |  |  |  |  |  |  |  |
| TAR | 0119 | 0123 | 0124 | 0205 | 0370 | 0390 | 0402 | 0511 |  |
| TCW | 0354 | 0357 | 0394 | 0411 | 0443 |  |  |  |  |
| TNA | 0441 |  |  |  |  |  |  |  |  |
| UAL | 0435 | 0439 | 0442 | 0450 | 0452 | 0454 | 0456 | 0457 | 0462 0463 |
|  | 0464 | 0465 | 0470 | 0472 | 0475 | 0479 | 0483 | 0485 | 0487 0489 |
|  | 0500 | 0503 | 0504 | 0506 | 0508 | 0510 | 0512 | 0523 | 0539 0568 |
|  | 0571 | 0587 | 0589 | 0592 | 0613 |  |  |  |  |
| UKM | 0027 |  |  |  |  |  |  |  |  |
| VKG | 0294 | 0301 |  |  |  |  |  |  |  |
| VLE | 0085 | 0189 | 0190 | 0343 | 0420 | 0436 | 0446 |  |  |

This modification is embodied before delivery on aircraft MSN

628 and subsequent .

(c) Effectivity by MSN and Kit/Configuration

None

(3) Spares

Pack temp . cont . P/N 759A0000-10

B . CONCURRENT REQUIREMENTS

Service Bulletin(s) to be accomplished previously or simultaneously :

Service Bulletin No . A320-21-1058 Mod . No . 23143K2664

Service Bulletin No . A320-21-1065 Mod . No . none

Service Bulletin No . A320-21-1082 Mod . No . 24094K3554

C . REASON

(1) History

The original de-ice function of the air conditioning packs was

achieved by the anti-ice valve (AIV) via a pressure drop

measurement across the condenser . Due to sticky behavior of the AIV

748A0000-05, this function was not properly achieved, resulting in

reliability deterioration for some Environmental Control System

(ECS) components .

As an immediate means to assure a proper de-icing of the condenser,

an automatic anti-icing cycle has been implemented with the pack

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temperature-controller 759A0000-08 . The cycle consist of a

software-commanded opening of the bypass valve in defined

intervals . This BPV opening preventively melts off potential ice

built up .

Later, an improved anti-ice valve 748A0000-08 has been introduced

(via SB 21-1065) and it is proposed to install it instead of the

modified pack temperature-controller 759A0000-08 up to 759A0000-10

so that the de-ice function of the air conditioning pack is again

achieved by the anti-ice valve and no longer by the pack

temperature-controller .

(2) Objective/Action

The accomplishment of this Service Bulletin will allow a common

pack temperature-controller standard for the A319/A320/A321

aircraft .

(3) Advantages

With the accomplishment of this Service Bulletin, the pack

temperature-controllers 759A0000-10 will be replaced by the pack

temperature-controllers 759C0000-02 which has the automatic

anti-icing cycle deleted and therefore needs to be installed in

conjunction with the AIV -08 .

(4) Operational/Maintenance Consequences

None

D . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Replace the pack temperature-controllers 7HH and 27HH .

E . COMPLIANCE

(1) Classification

Optional

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule .

F . APPROVAL

The technical content of this Service Bulletin has been approved under

the authority of the DGAC Design Organisation Approval No . F .JA .02 .

If an aircraft listed in the effectivity has a modification or repair

embodied that is not of AIRBUS origin, and which affects the content of

this Service Bulletin, the operator is responsible for obtaining

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approval by its airworthiness authority for any adaptation necessary

before incorporation of the Service Bulletin .

G . MANPOWER

The manpower estimates given in this Service Bulletin are based on the direct labor cost to do the work . These estimates assume that the work will be done by experienced personnel, and may need to be revised upwards to suit operators' circumstances . The estimates do not include the time to prepare, plan or inspect the work . Manufacture and procurement of parts and tools, drying time for paints, sealants, etc . and general administration work are also not included .

0 . 50

Get Access

Modification

Test

Close-up

TOTAL MANHOURS

ELAPSED TIME (HOURS)

0 . 50

0 . 50

0 .25

1 .75

1 .75

H . WEIGHT AND BALANCE

None

I . ELECTRICAL LOAD DATA

Not changed

J . REFERENCES

Aircraft Maintenance Manual (AMM)

: 12-34-24, 21-61-00,

21-61-34

: A320-21-1058, A320-21-1065,

A320-21-1082

Service Bulletin (SB)

K . PUBLICATIONS AFFECTED

Aircraft Maintenance Manual (AMM)

: 21-61-00

: 21-61-08, 21-61-34

Illustrated Parts Catalog (IPC)

L . INTERCHANGEABILITY/MIXABILITY

DESCRIPTION OLD PART No . NEW PART No . INT MIXABILITY

Pack temp . cont . 759A0000-10 759C0000-02 03 NO

NOTE (1) Interchangeability code 03, two way interchangeable only on

A320, if the air conditioning pack has the latest standard

anti-ice valve 748A0000-08 (refer to Service Bulletin

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A320-21-1065) . Installation of P/N 759A0000-10 on A319 and

A321 is not approved .

NOTE (2) For the definitions of interchangeability codes in the column

INT . refer to ATA 200 Chapter 1A-2 .

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SERVICE BULLETIN

2. MATERIAL INFORMATION

A . MATERIAL — PRICE AND AVAILABILITY

(1) Material

Vendor parts are to be purchased from :

LIEBHERR-AERO-TECHNIK GMBH

POSTFACH 1363

88153 LINDENBERG

GERMANY

TEL . : 08381-46-0

TELEX: 83818123

(2) Price and Availability

Sales terms for the equipment must be negotiated with the equipment

vendor .

B . INDUSTRY SUPPORT INFORMATION

Refer to paragraph 2 .A . (2): "Price and Availability" .

C . LIST OF COMPONENTS

None

D . LIST OF MATERIALS — OPERATOR SUPPLIED

(1) Consumable Materials

None

(2) Components

NEW PART No .

INST

DISP

KEYWORD

OLD

ITEM

QTY UM

No .

INT

ITEM

PART

759C0000-02 2 CONTROLL 759A0000-10 03

NOTE (1) Interchangeability code 03, two way interchangeable only

on A320, if the air conditioning pack has the latest

standard anti-ice valve 748A0000-08 (refer to Service

Bulletin A320-21-1065) . Installation of P/N 759A0000-10

on A319 and A321 is not approved .

NOTE (2) For the definitions of interchangeability codes in the

column INT . refer to ATA 200 Chapter 1A-2 .

E . PARTS TO BE RE— IDENTIFIED BY THE OPERATOR

None

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SERVICE BULLETIN

F . TOOLING — PRICE AND AVAILABILITY

None

G . SPECIAL TOOLS

None

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SERVICE BULLETIN

3. ACCOMPLISHMENT INSTRUCTIONS

A . GENERAL

WARNING : MAKE SURE THAT YOU OBEY ALL THE WARNINGS AND CAUTIONS INCLUDED

IN THE REFERENCED PROCEDURES .

(1) Preparation

(a) Make sure that the aircraft is electrically grounded, refer to

AMM 12- 34-24 Page block 201.

(b) Open, safety and tag the applicable circuit breakers as given

in the AMM 21-61- 34 Page block 401.

(c) Put an access platform in position at the access door 811.

(d) Open the access door 811.

(2) Standard Practices

None

B . MODIFICATION

(1) Replace the pack temperature-controllers (7HH) and (27HH) .

(a) Remove and send to stores the pack temperature-controllers P/N

759A0000-10, as given in the AMM 21-61- 34 Page block 401.

(b) Install the new pack temperature-controllers P/N 759C0000-02,

as given in the AMM 21-61- 34 Page block 401.

C . TEST

(1) Do an operational test of the pack temperature-control system as given in the AMM 21-61-00 Page block 501.

D . CLOSE UP

(1) Make sure that the work areas are clean and clear of tools and

other items of equipment .

(2) Close the access door 811.

(3) Remove the access platform .

E . DOCUMENTATION

Write in the applicable aircraft records that you have done all the work

given in this Service Bulletin .

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SERVICE BULLETIN

REPORTING SHEET

TITLE : AIR CONDITION - PACK TEMPERATURE CONTROL - INSTALL IMPROVED PACK

TEMPERATURE-CONTROLLERS (7HH AND 27HH)

MODIFICATION No . : 23987K3521

Please complete the appropriate item (A or B):

A - SB WILL BE embodied . . . . . . . . . . . . . YES/NO (if NO please comment)

If YES, aircraft concerned (as per SB effectivity by default) and planned dates

(month/year) of embodiment : . . . . . . . . . . . . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

B - SB HAS BEEN embodied on aircraft : . . . . . . . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

Operator comments : . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

From Airline : . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

Name/Title : . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

Signature : . . . . . . . . . . . . . . Date : . . . . . . . . . . . . .

If operational documentation is affected (see Paragraph 1 .K of this SB): If information is needed prior to next normal revision or prior to SB embodiment, please indicate required service(s):

Either: Advance Data . . . . . . . . . . . . . . . . . . . . . YES/NO

Or : Intermediate/Temporary revision . . . . . . . . . . . . YES/NO

Important Information: This SB will only be incorporated in your maintenance and

operational documentation if this sheet is returned to Airbus and signed by a

duly authorised representative . With the next feasible revision, this will

result in

- updating of maintenance documentation to show pre and post SB data .

- updating of maintenance and operational documentation to show post SB data

after embodiment .

If this SB requires previous or simultaneous accomplishment of other SBs,

Airbus shall automatically include them in the manual revisions . Refer to SIL

00-037 for detailed information .

Please return this completed sheet to:

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Attn: SDC32 Technical Data and Documentation Services

FAX: (+33) 5 61 93 28 06

or via your Resident Customer Support Office .

Alternatively, SB lists via letters or fax are also accepted .

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SERVICE BULLETIN

QUALITY PERCEPTION FORM

Use this form to tell us what is your perception of the quality of this Service Bulletin . The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletins .

We thank you for the time you have taken in completing this form .

(Please rate on a scale of 1 to 4, with 4 being the highest score)

|  |  |  |  |
| --- | --- | --- | --- |
| - Quality rating of this SB | 4 3 | 2 | 1 |
| - Quality rating of the Accomplishment Instructions | 4 3 | 2 | 1 |
| - Quality rating of the Illustrations | 4 3 | 2 | 1 |
| - Is this SB easy to understand ? | Y / N |  |  |

If you have had difficulties in the accomplishment of this SB please quote below

the area(s) and give a short description of the issue .

Planning

X Effectivity

X Reason

X Manpower

X References

X Publication

Comments :

Material

X Kit content

X List of Materials

Operator Supplied

X Re-identification

X Tooling

Instructions

X Preparation

X Mod/Inspection

X Test

X Close-Up

X Illustrations

Operator :

Date:

Name/Title :

Please return this form to :

AIRBUS

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC

Attn : SET1 Service Bulletins Management

FAX : (33) 5 61 93 42 51

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