 ***A319/A320/A321***

SERVICE BULLETIN

SUMMARY

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Tel: (33) 5 61 93 33 33

Telex: AIRBU 530526 F

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 CONDITIONING − COCKPIT AND CABIN TEMPERATURE CONTROL − INTRODUCE

MODIFIED TRIM AIR VALVE WITHOUT POTENTIOMETER

MODIFICATION No . : 30498K6821

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

This Service Bulletin has been published to inform the affected operators of the issue of the LIEBHERR Aerospace Service Bulletins No . 750A−21−04 and No . 963A−21−03 .

The LIEBHERR Aerospace Service Bulletins No . 750A−21−04 and No . 963A−21−03

introduce a modified trim air valve with an improved valve position indication .

The modified trim air valves PN 750B0000−01 or 963B0000−01 can only be installed

in aircraft fitted with Zone Controller PN 775A0000−08, 775C0000−04 and

775D0000−01 and subsequent Part Numbers, which provide the new method of valve

position indication (Step Counting) .

The LIEBHERR Aerospace Service Bulletins describe the modification of the trim

air valve .

The valve position indication of the trim air valves is now calculated per step

counting, and no longer per potentiometer signal . The potentiometer of the trim

air valves is no longer necessary .

The trim air valves introduced by this Service Bulletin are without a

potentiometer . This reduces the spares price if the potentiometer is removed

and/or not installed during maintenance of the valve and/or its actuator .

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| EVALUATIO | | N TABLE |  |
| COMPLIANCE | Desirable | 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 |
| STRUCTURAL LIFE EXTN | No | VENDOR SB INVOLVED | Yes |
| KIT PRICE (USD) | No Kit |  |  |

EFFECTIVITY

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

30Z AAA AAR ABB ACA ADR AEF AEL AES AFR AIB AIH AJM ALK AMC AMM AMU ANA AUA AWE

AZA BAW BMA BXI C3J CDN CES CIB CJG CMM CNW CSC CSN CTN CYP DCS DLH EDW EIN EWG

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| |  | | --- | |  |   FIN FTI G4I GBL GFA HDA HVN  LXR MEA MON MSR MXA NWA OHY  SWR SYR TAI TAM TAP TAR TAS CONCURRENT REQUIREMENTS None  REFERENCES/REPERCUSSIONS | ***A319/A320/A321***  SERVICE BULLETIN  SUMMARY  IAC IBE IWD JBU JKK JMC KAC LAJ LAN  OYC PAL QAF QTR RJA RYN SAA SAB SEU  TLA TNA TRZ TWJ UAL USA VIR VLE WGT | LBT  SHJ | LFA  SHK | LRC  SLK | LTU  SSV |

TFU

OEB

AOT

SIL

LIFE LIMIT

: None

: None

: None

: None

: None

LINE MAINTENANCE AFFECTED : None

OTHER : None

NATURE OF THE WORK

AIRCRAFT : YES

EQUIPMENT : NO

HARD : NO

SOFT : NO

OBRM : NO

MANPOWER

TOTAL MANHOURS

4 .75

4 .75

ELAPSED TIME (HOURS)

MATERIAL INFORMATION

AIRCRAFT DATA

Trim Air Valve

APPENDICES

None

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MODIFIED TRIM AIR VALVE WITHOUT POTENTIOMETER

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written consent .

1. PLANNING INFORMATION

A . EFFECTIVITY

(1) Models

319−111 319−112 319−113 319−114 319−115 319−131 319−132 319−133

320−111 320−211 320−212 320−214 320−231 320−232 320−233 321−111

321−112 321−131 321−211 321−231

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0002−0008

0010−0014 0016−0078 0080−0104 0106−0432 0434−0480 0482−0535

0537−0707 0709−1053 1055−1067 1069−1313 1315 1317 1319

(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 Industrie . Any future changes

resulting 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 .

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR  30Z | MSN  1256 |  |  |  |  |  |  |  |  |  |
| AAA | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0029 | 0030 | 0140 | 0142 |
|  | 0157 | 0229 | 0288 | 0331 | 0547 | 0615 | 0622 | 0632 | 0662 | 0726 |
| AAR | 0771 | 0855 | 1060 | 1293 |  |  |  |  |  |  |
| ABB | 0348 | 0349 |  |  |  |  |  |  |  |  |
| ACA | 0059 | 0068 | 0073 | 0084 | 0122 | 0126 | 0127 | 0141 | 0149 | 0150 |
|  | 0154 | 0159 | 0183 | 0233 | 0242 | 0248 | 0253 | 0254 | 0255 | 0265 |
|  | 0277 | 0290 | 0310 | 0311 | 0324 | 0330 | 0333 | 0341 | 0342 | 0350 |
|  | 0359 | 0378 | 0384 | 0426 | 0546 | 0572 | 0634 | 0639 | 0649 | 0656 |
|  | 0670 | 0672 | 0682 | 0688 | 0691 | 0693 | 0695 | 0697 | 0711 | 0719 |
|  | 0721 | 0728 | 0732 | 0736 | 0740 | 0742 | 0752 | 0757 | 0769 | 0773 |
|  | 0779 | 0785 | 0800 | 0813 | 0817 | 0829 | 0831 | 0840 | 0845 |  |
| ADR | 0043 | 0113 | 0114 |  |  |  |  |  |  |  |
| AEF | 0565  1004 | 0575  1195 | 0580  1199 | 0659  1218 | 0661 | 0667 | 0787 | 0792 | 0954 | 0990 |
| AEL | 0085 | 0131 | 0132 | 1132 | 1162 | 1179 | 1244 |  |  |  |
| AES | 0739 | 0743 | 0839 | 0892 |  |  |  |  |  |  |
| 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 | 0133 | 0144 | 0145 |
|  | 0155 | 0156 | 0184 | 0186 | 0187 | 0188 | 0203 | 0204 | 0211 | 0214 |
|  | 0215 | 0220 | 0226 | 0227 | 0228 | 0236 | 0237 | 0239 | 0244 | 0270 |
|  | 0278 | 0285 | 0286 | 0287 | 0337 | 0352 | 0377 | 0491 | 0498 | 0509 |
|  | 0521 | 0529 | 0544 | 0598 | 0600 | 0608 | 0618 | 0625 | 0637 | 0644 |
|  | 0647 | 0660 | 0674 | 0675 | 0684 | 0761 | 0777 | 0796 | 0938 | 0956 |
|  | 0985 | 0998 | 1000 | 1020 | 1025 | 1036 | 1133 | 1151 | 1169 | 1176 |
|  | 1190 | 1201 | 1216 | 1267 | 1271 | 1299 |  |  |  |  |
| AIB | 1308 |  |  |  |  |  |  |  |  |  |
| AIH | 0163  1238 | 0164  1250 | 0168 | 0169 | 0179 | 0193 | 0424 | 0449 | 0808 | 0823 |
| AJM | 0422 | 0528 | 0624 | 0626 | 0628 | 0630 | 0666 | 0775 | 1213 |  |
| ALK | 0374 | 0406 |  |  |  |  |  |  |  |  |
| AMC | 0112 | 0293 |  |  |  |  |  |  |  |  |
| AMM | 0291 | 0292 | 0327 | 0336 | 0677 | 0781 | 0852 | 1006 | 1017 | 1306 |
| AMU | 0550 | 0557 | 0582 | 0620 | 0631 | 0805 | 0908 |  |  |  |
| ANA | 0138 | 0139 | 0148 | 0151 | 0167 | 0170 | 0196 | 0212 | 0219 | 0245 |
|  | 0300 | 0328 | 0365 | 0383 | 0413 | 0482 | 0501 | 0507 | 0531 | 0534 |
|  | 0549  1204 | 0554  1227 | 0658 | 0669 | 0685 | 0802 | 0811 | 0963 | 1008 | 1042 |
| AUA | 0552  1189 | 0570 | 0581 | 0768 | 0776 | 0797 | 0920 | 0935 | 1137 | 1150 |
| AWE | 0052 | 0053 | 0054 | 0055 | 0064 | 0065 | 0066 | 0067 | 0076 | 0077 |
|  | 0081 | 0082 | 0091 | 0092 | 0098 | 0099 | 0238 | 0271 | 0304 | 0315 |
|  | 0317 | 0448 | 0453 | 0455 | 0471 | 0527 | 0543 | 0584 | 0762 | 0770 |
|  | 0803 | 0856 | 0866 | 0889 | 0924 | 0931 | 0953 | 1003 | 1043 | 1049 |
|  | 1050 | 1056 | 1064 | 1075 | 1079 | 1083 | 1088 | 1110 | 1111 | 1116 |
|  | 1166 | 1178 | 1196 | 1223 | 1234 | 1274 | 1281 | 1284 |  |  |
| AZA | 0434 | 0477 | 0488 | 0494 | 0495 | 0513 | 0514 | 0515 | 0516 | 0524 |
|  | 0526 | 0532 | 0576 | 0583 | 0586 | 0593 | 0599 | 0765 | 0819 | 0848 |
|  | 0940 | 0951 | 0959 | 0999 | 1138 | 1168 | 1217 | 1220 | 1226 |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| BAW | 0006 | 0008 | 0011 | 0017 | 0018 | 0039 | 0042 | 0103 | 0109 | 0120 |
|  | 1082 | 1115 | 1118 | 1142 | 1193 | 1197 | 1222 | 1225 | 1232 | 1236 |
|  | 1239 | 1258 | 1261 | 1279 | 1295 |  |  |  |  |  |
| BMA | 0806  1174 | 0810  1177 | 0835  1183 | 0864  1207 | 0934 | 0968 | 0974 | 1014 | 1045 | 1153 |
| BXI | 0591 |  |  |  |  |  |  |  |  |  |
| C3J | 0772 | 0799 | 0828 | 0883 | 0914 |  |  |  |  |  |
| CDN | 0174  0309 | 0175  0403 | 0210  0404 | 0231 | 0232 | 0279 | 0283 | 0284 | 0302 | 0305 |
| CES | 0925  1312 | 1005 | 1028 | 1030 | 1070 | 1072 | 1093 | 1108 | 1285 | 1303 |
| CIB | 0774 | 0793 | 0809 | 0884 | 0894 | 0905 | 0957 | 0971 |  |  |
| CJG | 0707 | 0724 | 0876 | 0921 | 1296 |  |  |  |  |  |
| CMM | 0397 | 0409 | 0427 | 0579 | 0645 | 0671 |  |  |  |  |
| CNW | 0665  1041 | 0754 | 0838 | 0854 | 0897 | 0909 | 0939 | 0967 | 0984 | 0986 |
| CSC | 0540 | 0551 | 0556 | 0878 | 0915 | 0919 | 1013 |  |  |  |
| CSN | 0696 | 0698 | 0704 | 0705 | 0709 | 0710 | 0712 | 0718 | 0720 | 0722 |
|  | 0849 | 0859 | 0881 | 0895 | 0900 | 0950 | 0966 | 1035 | 1039 | 1057 |
| CTN | 0258 | 0767 | 0833 | 1009 | 1029 | 1237 | 1252 |  |  |  |
| CYP | 0028 | 0035 | 0037 | 0038 | 0180 | 0256 | 0295 | 0316 |  |  |
| DCS | 1053 |  |  |  |  |  |  |  |  |  |
| DLH | 0069 | 0070 | 0071 | 0072 | 0078 | 0083 | 0086 | 0093 | 0094 | 0104 |
|  | 0110 | 0111 | 0116 | 0117 | 0135 | 0137 | 0147 | 0161 | 0162 | 0172 |
|  | 0200 | 0201 | 0202 | 0209 | 0216 | 0217 | 0218 | 0267 | 0268 | 0269 |
|  | 0346 | 0382 | 0401 | 0412 | 0458 | 0468 | 0473 | 0474 | 0484 | 0493 |
|  | 0502 | 0505 | 0518 | 0560 | 0563 | 0564 | 0567 | 0595 | 0609 | 0610 |
|  | 0616 | 0623 | 0627 | 0636 | 0641 | 0651 | 0652 | 0679 | 0689 | 0692 |
|  | 0694 | 0699 | 0700 | 0717 | 0723 | 0729 | 0738 | 0744 | 0853 | 0860 |
|  | 0875 | 0887 | 0901 | 1080 | 1161 | 1188 | 1214 | 1260 | 1273 |  |
| EDW | 0942 | 0947 | 1026 |  |  |  |  |  |  |  |
| EIN | 0815 | 0841 | 0926 | 0991 | 1023 | 1094 | 1242 |  |  |  |
| EWG | 0646 | 0654 | 0794 | 1016 | 1172 |  |  |  |  |  |
| FIN | 0941 | 0961 | 1073 | 1107 | 1185 | 1241 | 1309 |  |  |  |
| FTI | 0230 | 0338 | 0429 | 0437 | 0444 | 0476 |  |  |  |  |
| G4I | 1002 | 1157 |  |  |  |  |  |  |  |  |
| GBL | 1215 |  |  |  |  |  |  |  |  |  |
| GFA | 0313  0497 | 0325  0537 | 0345 | 0375 | 0419 | 0421 | 0438 | 0445 | 0459 | 0466 |
| HDA | 0633 | 0756 | 0784 | 0816 | 0877 | 0930 | 0993 | 1024 | 1253 |  |
| HVN | 0590 | 0594 | 0601 | 0605 | 0607 | 0611 | 0617 | 0619 | 0648 | 0650 |
| IAC | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0056 | 0057 | 0058 |
|  | 0074 | 0075 | 0080 | 0089 | 0090 | 0095 | 0096 | 0097 | 0396 | 0398 |
|  | 0416 | 0423 | 0431 | 0432 | 0451 | 0469 | 0486 | 0490 | 0492 | 0499 |
| IBE | 0134 | 0136 | 0143 | 0146 | 0158 | 0173 | 0176 | 0177 | 0199 | 0207 |
|  | 0223 | 0224 | 0240 | 0241 | 0246 | 0264 | 0266 | 0274 | 0303 | 0312 |
|  | 0323 | 0356 | 0992 | 0994 | 1021 | 1027 | 1047 | 1059 | 1063 | 1067 |
|  | 1087 | 1099 | 1101 | 1119 | 1154 | 1180 | 1200 | 1208 | 1221 | 1229 |
|  | 1247 | 1255 | 1262 | 1278 | 1288 | 1292 |  |  |  |  |

IWD 0225 0308 0314 0879 0888

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| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| JBU | 1123 | 1156 | 1173 | 1235 | 1240 | 1257 | 1270 | 1280 | 1302 |  |
| JKK | 1276 |  |  |  |  |  |  |  |  |  |
| JMC | 0354 | 0357 | 0393 | 0394 | 0411 | 0443 | 0714 | 0716 | 0730 | 0735 |
| KAC | 0181 | 0182 | 0195 |  |  |  |  |  |  |  |
| LAJ | 0376 | 0386 | 0480 | 1194 |  |  |  |  |  |  |
| LAN | 1304 |  |  |  |  |  |  |  |  |  |
| LBT | 1121 | 1175 |  |  |  |  |  |  |  |  |
| LFA | 0597 | 0604 | 0614 |  |  |  |  |  |  |  |
| LRC | 0425 | 0460 | 0461 | 0558 | 0561 |  |  |  |  |  |
| LTU | 0530 |  |  |  |  |  |  |  |  |  |
| LXR | 0395 |  |  |  |  |  |  |  |  |  |
| MEA | 0640 | 0663 | 0668 | 0676 |  |  |  |  |  |  |
| MON | 0379 | 0389 | 0391 | 0392 | 0446 | 0983 | 1015 | 1202 |  |  |
| MSR | 0165  0725 | 0166 | 0178 | 0194 | 0198 | 0351 | 0366 | 0680 | 0687 | 0715 |
| MXA | 0252 | 0259 | 0260 | 0261 | 0275 | 0276 | 0280 | 0296 | 0320 | 0321 |
|  | 0353 | 0361 | 0368 | 0369 | 0467 |  |  |  |  |  |
| 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 |
|  | 0766 | 0778 | 0786 | 0801 | 0807 | 0818 | 0830 | 0832 | 0846 | 0903 |
|  | 0907 | 0911 | 0923 | 0962 | 0964 | 0981 | 0988 | 0996 | 1011 | 1037 |
|  | 1058 | 1062 | 1071 | 1078 | 1090 | 1091 | 1126 | 1129 | 1131 | 1149 |
|  | 1164 | 1167 | 1186 | 1191 | 1230 | 1249 |  |  |  |  |
| OHY | 0364 | 0385 |  |  |  |  |  |  |  |  |
| OYC | 0221 | 0222 | 0294 | 0299 | 0301 |  |  |  |  |  |
| PAL | 0706 | 0745 | 0753 |  |  |  |  |  |  |  |
| QAF | 0927 |  |  |  |  |  |  |  |  |  |
| QTR | 0928 | 0932 | 0943 | 0977 |  |  |  |  |  |  |
| RJA | 0087 | 0088 | 0289 | 0407 | 0569 |  |  |  |  |  |
| RYN | 0362 | 0363 | 0573 |  |  |  |  |  |  |  |
| SAA | 0243 | 0249 | 0250 | 0251 | 0334 | 0335 | 0440 |  |  |  |
| SAB | 0970  1184 | 0995  1283 | 1012  1305 | 1048 | 1081 | 1086 | 1102 | 1124 | 1145 | 1160 |
| SEU | 0653 | 0657 | 0737 | 0749 | 0973 |  |  |  |  |  |
| SHJ | 0910 |  |  |  |  |  |  |  |  |  |
| SHK | 0322 | 0326 | 0344 | 0478 |  |  |  |  |  |  |
| SLK | 0872 | 0899 | 0969 | 1074 | 1098 | 1228 |  |  |  |  |
| SSV | 0496 | 0525 | 0795 |  |  |  |  |  |  |  |
| SWR | 0517 | 0519 | 0520 | 0522 | 0533 | 0535 | 0541 | 0545 | 0548 | 0553 |
|  | 0559 | 0562 | 0566 | 0574 | 0577 | 0578 | 0585 | 0588 | 0596 | 0603 |
|  | 0612 | 0621 | 0629 | 0635 | 0642 | 0643 | 0664 | 0673 | 0681 | 0701 |
|  | 0703  1144 | 0713 | 0727 | 0734 | 0782 | 0827 | 0870 | 0891 | 0987 | 1018 |
| SYR | 0886 | 0918 | 1032 | 1076 | 1085 | 1117 |  |  |  |  |
| TAI | 0733  1113 | 0741  1140 | 0747  1159 | 0789  1300 | 0874 | 0902 | 0912 | 0916 | 1007 | 1066 |
| TAM | 0976 | 1010 | 1092 | 1096 | 1103 | 1139 | 1143 | 1158 | 1246 | 1251 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| TAP | 0185 | 0191 | 0234 | 0235 | 0750 | 0755 | 0763 | 0790 | 0821 | 0837 |
|  | 0906 | 0917 | 0933 | 0945 | 0960 | 0979 | 0982 | 1034 | 1100 | 1106 |
|  | 1120 | 1127 | 1165 | 1181 | 1206 | 1231 | 1307 |  |  |  |
| TAR | 0119  0958 | 0123  0975 | 0124  1187 | 0205 | 0370 | 0390 | 0402 | 0511 | 0869 | 0880 |
| TAS | 0371 | 0814 | 0937 |  |  |  |  |  |  |  |
| TLA | 0247 | 0257 | 0405 | 0414 | 0415 | 0428 | 0430 | 0758 | 0760 |  |
| TNA | 0332  0822 | 0441 | 0538 | 0555 | 0602 | 0606 | 0731 | 0746 | 0791 | 0812 |
| TRZ | 0347 | 0373 | 0447 |  |  |  |  |  |  |  |
| TWJ | 0913 |  |  |  |  |  |  |  |  |  |
| 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 | 0638 | 0655 | 0678 | 0683 | 0686 |
|  | 0690 | 0702 | 0748 | 0751 | 0759 | 0780 | 0783 | 0788 | 0798 | 0804 |
|  | 0820 | 0824 | 0825 | 0826 | 0834 | 0836 | 0842 | 0843 | 0847 | 0850 |
|  | 0851 | 0857 | 0858 | 0862 | 0865 | 0867 | 0871 | 0873 | 0882 | 0893 |
|  | 0898 | 0944 | 0948 | 0952 | 0955 | 0965 | 0980 | 0989 | 1001 | 1022 |
|  | 1031 | 1104 | 1105 | 1128 | 1146 | 1163 | 1192 | 1211 | 1243 | 1248 |
|  | 1266 | 1272 | 1282 | 1290 | 1291 |  |  |  |  |  |
| USA | 0844 | 0861 | 0863 | 0868 | 0885 | 0890 | 0896 | 0904 | 0922 | 0929 |
|  | 0936 | 0946 | 0949 | 0972 | 0997 | 1019 | 1033 | 1038 | 1040 | 1044 |
|  | 1046 | 1051 | 1052 | 1055 | 1061 | 1065 | 1069 | 1077 | 1084 | 1089 |
|  | 1095 | 1097 | 1109 | 1112 | 1114 | 1122 | 1134 | 1135 | 1136 | 1141 |
|  | 1147 | 1148 | 1155 | 1170 | 1171 | 1182 | 1203 | 1205 | 1209 | 1210 |
|  | 1224 | 1245 | 1254 | 1263 | 1264 | 1265 | 1268 | 1269 | 1275 | 1277 |
|  | 1286  1315 | 1287  1317 | 1289  1319 | 1294 | 1297 | 1298 | 1301 | 1310 | 1311 | 1313 |

VIR

VLE

WGT

(c) Effectivity

None

0764 0978 1130 1219 1233

0189 0190 0343 0420 0436 0542 1125 1152 1198 1259

1212

by MSN and Kit/Configuration

(3) Spares

Trim air valve PN 750A0000−0X

Trim air valve PN 963A0000−0X

B . CONCURRENT REQUIREMENTS

None

C . REASON

(1) History

This Service Bulletin has been published to inform the affected

operators of the issue of the LIEBHERR Aerospace Service Bulletins

No . 750A−21−04 and No . 963A−21−03 .

The LIEBHERR Aerospace Service Bulletins No . 750A−21−04 and No .

963A−21−03 introduce a modified trim air valve with an improved

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valve position indication .

The modified trim air valve PN 750B0000−01 or 963B0000−01 can only

be installed in aircraft fitted with Zone Controller PN

775A0000−08, 775C0000−04, 775D0000−01 and subsequent Part Numbers,

which provide the new method of valve position indication (Step

Counting) .

(2) Objective/Action

The LIEBHERR Aerospace Service Bulletins describe the modification

of the trim air valve .

(3) Advantages

The valve position indication of the trim air valves is now

calculated per step counting, and no longer per potentiometer

signal . The potentiometer of the trim air valves is no longer

necessary .

The trim air valves introduced by this Service Bulletin are without

a potentiometer . This reduces the spares price if the potentiometer

is removed and/or not installed during maintenance of the valve

and/or its actuator .

(4) Operational/Maintenance Consequences

None

D . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1.1D.)(1) Modify the trim air valve in accordance with the Liebherr Aerospace

Service Bulletins 750A−21−04 or 963A−21−03 .

E . COMPLIANCE

(1) Classification

Desirable

(2) Accomplishment Timescale

Accomplishment of this Service Bulletin is recommended at the next

repair/overhaul where manpower and facilities are available .

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

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

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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 .

Get Access

Removal/Installation

Modification

Close−up

TOTAL MANHOURS

ELAPSED TIME (HOURS)

H . WEIGHT AND BALANCE

None

I . ELECTRICAL LOAD DATA

None

J . REFERENCES

Aircraft Maintenance Manual (AMM)

LIEBHERR−AEROSPACE Service Bulletin

0 .75

2 .25

1 .00

0 .75

4 .75

4 .75

: 12−34−24 21−63−51 25−54−12

52−30−00

: 750A−21−04

963A−21−03

K . PUBLICATIONS AFFECTED

Aircraft Maintenance Manual (AMM)

Illustrated Parts Catalog (IPC)

L . INTERCHANGEABILITY/MIXABILITY

:

:

21−63−00

21−63−03 21−63−51

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DESCRIPTION | OLD | PART | No . | NEW | PART | No . | INT MIXABILITY |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Trim  Trim | Air  Air | Valve  Valve | 750A0000−0X  963A0000−0X | 750B0000−01  963B0000−01 | 2  2 | YES  YES |

NOTE (1)

NOTE (2)

Interchangeability and mixability given for a/c having zone

controller with step counting capability installed only .

For the definitions of interchangeability codes in the column

INT . refer to ATA 200 Chapter 1A−2 .

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2. MATERIAL INFORMATION

A . MATERIAL − PRICE AND AVAILABILITY

(1) Material

Vendor parts are to be puchased from :

LIEBHERR−AEROSPACE LINDENBERG GmbH

Customer Service

Postfach 1363

88153 Lindenberg

GERMANY

(2) Price and Availability

Refer to the LIEBHERR Aerospace Service Bulletin No . 750A−21−04 or

963A−21−03 for the equipment modification sales termes .

B . INDUSTRY SUPPORT INFORMATION

None

C . LIST OF COMPONENTS

No kit is supplied by AIRBUS INDUSTRIE for this Service Bulletin . Refer to the LIEBHERR Aerospace Service Bulletins No . 750A−21−04 or 963A−21−03 .

D . LIST OF MATERIALS − OPERATOR SUPPLIED

None

E . PARTS TO BE RE IDENTIFIED BY THE OPERATOR

ITEM NEW PART No KEYWORD ITEM OLD PART No . INT

750B0000−01 TAV

963B0000−01 TAV

F . TOOLING − PRICE AND AVAILABILITY

None

G . SPECIAL TOOLS

None

750A0000−0X

963A0000−0X

2

2

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3. ACCOMPLISHMENT INSTRUCTIONS

A . GENERAL

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

IN THE REFERENCED PROCEDURES .

(1) Preparation

.aA.)(1)(a) Make sure that the aircraft is electrically grounded, AMM 12−34−24 Page block 201.

INCLUDED

refer to

.bA.)(1)(b) Open, safety and tag this (these) circuit breaker(s) :

PANEL

DESIGNATION

FIN

LOCATION

|  |  |  |  |
| --- | --- | --- | --- |
| 122VU | AIR COND/ZONE TEMP  CTL/28VDC/SYS2 | 4HK | V20 |
| 122VU | AIR COND/ZONE TEMP  CTL/28VDC/SYS1 | 3HK | V19 |
| 122VU | AIR COND/ZONE TEMP  CTL/115VAC/SYS2 | 2HK | V18 |
| 122VU | AIR COND/ZONE TEMP  CTL/115VAC/SYS1 | 1HK | V17 |

.cA.)(1)(c) Open the FWD cargo−compartment door 825, refer to AMM 52−30−00 Page block 201.

.dA.)(1)(d) Put an access platform in position cargo−compartment door 825.

.eA.)(1)(e) Remove the access panels 131NW and 25−54−12 Page block 401.

at the FWD

131PW, refer to AMM

(2) Standard Practices

.aA.)(2)(a) Refer to the AIRBUS INDUSTRIE Standards Manual (SM) if you find part numbers for the hardware components in the related kit(s) which you can not identify in the LIST OF COMPONENTS of this Service Bulletin . The SM will give you the correct part number relationship .

B . MODIFICATION

.1B.)(1) Remove the trim air valve, refer to AMM 21−63−51 Page block 401.

.2B.)(2) Modify the trim air valve in accordance with the Liebherr Aerospace

Service Bulletin 750A−21−04 or Liebherr Aerospace Service

Bulletin 963A−21−03 .

.3B.)(3) Install the trim air valve, refer to AMM 21−63−51 Page block 401.

C . TEST

None

D . CLOSE UP

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

other items of equipment .

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3 .D . (2)

3 .D . (3)

3 .D . (4)

3 .D . (5)

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(2)

(3)

(4)

(5)

Install the access panels 131NW and 131PW, refer to AMM 25−54−12

Page block 401.

Remove the access platform(s) .

Close the FWD cargo−compartment door 825, refer to AMM 52−30−00

Page block 201.

Remove the safety clip(s) and tag(s) and close this (these) circuit

breaker(s) :

PANEL

DESIGNATION

FIN

LOCATION

AIR COND/ZONE TEMP

122VU

122VU

122VU

122VU

CTL/28VDC/SYS2

AIR COND/ZONE TEMP

CTL/28VDC/SYS1

AIR COND/ZONE TEMP

CTL/115VAC/SYS2

AIR COND/ZONE TEMP

CTL/115VAC/SYS1

E . DOCUMENTATION

Write in the applicable aircraft

given in this Service Bulletin .

4HK V20

3HK V19

2HK V18

1HK V17

records that you have done all the work

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REPORTING SHEET

TITLE : AIR CONDITIONING − COCKPIT AND CABIN TEMPERATURE CONTROL − INTRODUCE

MODIFIED TRIM AIR VALVE WITHOUT POTENTIOMETER

MODIFICATION No . : 30498K6821

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 Industrie 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

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

00−037 for detailed information .

Please return this completed sheet to:

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX FRANCE

Attn: AI/SE−D32 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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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 :

Name/Title :

Date:

Please return this form to :

AIRBUS INDUSTRIE

CUSTOMER SERVICES DIRECTORATE

1 Rond Point Maurice Bellonte

31707 BLAGNAC CEDEX

Attn : AI/SE−T1 Service Bulletins Management

FAX : (33) 5 61 93 42 51

or via your Resident Customer Support Office .

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