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SERVICE BULLETIN

SUMMARY

AIRBUS

CUSTOMER SERVICES DIRECTORATE

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Tel : (33) 5 61 93 33 33

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This summary is for information only

and is not approved for modification of the aircraft

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - INSTALL THALES AEVC

STD 06 P/N 87292325V06 .

MODIFICATION No . : 33967P8497

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Spurious AVIONICS SMOKE Electronic Centralized Aircraft Monitoring (ECAM)

warning have been reported in service . One of the possible sources is the

failure of a memory on the Printed Circuit Board (PCB) of the Avionics Equipment

Ventilation Computer (AEVC) .

The dispatch of the aircraft can be affected by this spurious smoke warning

indications .

This Service Bulletin is published to advise all operators of

A318/A319/A320/A321 aircraft, of the issue of THALES AVIONICS Service Bulletin

No . 87292325-21-011 .

THALES AVIONICS Service Bulletin is issued to upgrade the current AEVC standard

PN 87292325V05 into the new standard PN 87292325V06 .

This new standard includes the following modifications :

— Inhibition of AEVC smoke detector output test in flight configuration .

— Installation of absorbers to reduce the board vibration .

Accomplishment of this Service Bulletin will minimize the possibility of

spurious smoke warning indications and reduce the operational interruption due

to such warnings .

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

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| --- | --- | --- | --- |
| EVALUATION TABLE | | | |
| STRUCTURAL LIFE EXTN | No | VENDOR SB INVOLVED | Yes |
| KIT PRICE (USD) | No Kit |  |  |

EFFECTIVITY

This Service Bulletin is applicable to these operators :

53Z 55Y 57Y 60Y 65Y 72Y 75Y 81Y AAF AAR ABY ACA ACI ADR AFL AFR AIB AIH AJM ALK

AMC AMU ANA ANZ AUA AWE AWW AZA B2A BAW BES BGH BIE BKP BMA BWG C9L CBF CCA CCM

CES CIB CJG CNW CRX CSC CSN CTN CYP D2F DAT DBR DCS DGA DLH EDW EEZ EIN EZY F2I

FCA FFT FHY FIN G2X G4I G8E GBL GFA GWI GWY HDA HEJ HVN I2L IAC IBE IWD JAV JBU

JET JKK KAC LAJ LAN LAO LBT LTC LTE LTU LVG LXR MAU MEA MHS MLD MNJ MON MPH MSR

MXA MYT NVR NWA OHY P2C P2G PAL PIC PTI QAF QTR R1T RAM RBA RJA RML RNV RYN S2A

S8G SAA SAS SEU SHJ SLK SSV SYR TAE TAI TAM TAP TAR TAS TCW TCX TNA TSC TWJ UAL

UKM USA VIR VKG VLE WGT

This modification is embodied before delivery on A318 aircraft MSN 2317 and subsequent, on A319 aircraft MSN 2287 and subsequent, on A320 aircraft MSN 2259 and subsequent and on A321 aircraft MSN 2290 and subsequent .

CONCURRENT REQUIREMENTS

Accomplishment of this Service Bulletin requires the prior or simultaneous

accomplishment of :

Service Bulletin No . 87292325-21-008 (THALES AVIONICS)

REFERENCES/REPERCUSSIONS

TFU

OEB

AOT

SIL

LIFE LIMIT

: 21 .26 .00 .019

: None

: None

: None

: None

LINE MAINTENANCE AFFECTED : No

OTHERS : None

NATURE OF THE WORK

AIRCRAFT : NO

EQUIPMENT : YES

HARD : YES

SOFT : NO

OBRM : NO

MANPOWER

On aircraft

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SUMMARY

TOTAL MANHOURS

ELAPSED TIME (HOURS)

On bench

TOTAL MANHOURS

ELAPSED TIME (HOURS)

MATERIAL INFORMATION

AIRCRAFT DATA

None

APPENDICES

None

2 . 5

2 . 5

Refer to THALES AVIONICS Service Bulletin No . 87292325-21-011

Refer to THALES AVIONICS Service Bulletin No . 87292325-21-011

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AIRBUS

CUSTOMER SERVICES DIRECTORATE

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Fax : (33) 5 61 93 42 51

ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - INSTALL THALES AEVC

STD 06 P/N 87292325V06 .

MODIFICATION No . : 33967P8497

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1. PLANNING INFORMATION

A . EFFECTIVITY

(1) Models

318-111 319-111 319-112 319-113 319-114 319-115 319-131 319-132

319-133 320-111 320-211 320-212 320-214 320-231 320-232 320-233

321-111 321-112 321-131 321-211 321-231 321-232

(2) Aircraft

(a) Effectivity by MSN

This Service Bulletin is applicable to aircraft MSN :

0002-0008 0010-0014 0016-0078 0080-0091 0093-0104 0106-0373

0375-0432 0434-0480 0482-0535 0537-0601 0603-0707 0709-1185

1187-1277 1279-2258 2260-2271 2273 2276 2279 2281 2283 2285

NOTE : This modification is embodied before delivery on A318

aircraft MSN 2317 and subsequent, on A319 aircraft MSN

2287 and subsequent, on A320 aircraft MSN 2259 and

subsequent and on A321 aircraft MSN 2290 and

subsequent .

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(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

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  53Z | MSN  1468 |  |  |  |  |  |  |  |  |  |
| 55Y | 0525 | 0579 | 0645 |  |  |  |  |  |  |  |
| 57Y | 1494 |  |  |  |  |  |  |  |  |  |
| 60Y | 2156 | 2164 |  |  |  |  |  |  |  |  |
| 65Y | 2169 | 2185 | 2197 |  |  |  |  |  |  |  |
| 72Y | 2165 |  |  |  |  |  |  |  |  |  |
| 75Y | 1048 | 1102 | 1283 | 1305 |  |  |  |  |  |  |
| 81Y | 0667 | 1421 | 1487 |  |  |  |  |  |  |  |
| AAF | 0808 |  |  |  |  |  |  |  |  |  |
| AAR | 0771  2045 | 0855  2110 | 1060  2226 | 1293  2247 | 1356 | 1511 | 1636 | 1670 | 1734 | 2041 |
| ABY | 0112 | 0371 | 2158 | 2166 |  |  |  |  |  |  |
| 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 | 0284 | 0290 | 0302 |
|  | 0305 | 0309 | 0310 | 0311 | 0324 | 0330 | 0333 | 0341 | 0342 | 0350 |
|  | 0359 | 0378 | 0384 | 0403 | 0404 | 0426 | 0546 | 0572 | 0634 | 0639 |
|  | 0649 | 0656 | 0670 | 0672 | 0674 | 0675 | 0682 | 0684 | 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 | 1562 | 1577 | 1602 | 1611 | 1623 | 1630 |
|  | 1632 | 1638 | 1668 | 1673 | 1718 | 1719 | 1726 | 1748 | 1756 | 1765 |
|  | 1772  2018 | 1783  2145 | 1805 | 1811 | 1853 | 1864 | 1874 | 1886 | 1940 | 1963 |
| ACI | 2152 |  |  |  |  |  |  |  |  |  |
| ADR | 0043 | 0113 | 0114 |  |  |  |  |  |  |  |
| AFL | 2052 | 2069 | 2072 | 2091 | 2093 | 2106 | 2116 | 2133 | 2144 | 2151 |
|  | 2163 | 2179 | 2222 | 2233 | 2243 |  |  |  |  |  |

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| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| 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 |
|  | 0498 | 0509 | 0521 | 0529 | 0544 | 0598 | 0600 | 0608 | 0618 | 0625 |
|  | 0637 | 0644 | 0647 | 0660 | 0777 | 0796 | 0938 | 0956 | 0985 | 0998 |
|  | 1000 | 1020 | 1025 | 1036 | 1133 | 1151 | 1169 | 1176 | 1190 | 1201 |
|  | 1216 | 1267 | 1271 | 1299 | 1344 | 1404 | 1415 | 1444 | 1449 | 1471 |
|  | 1476 | 1502 | 1505 | 1524 | 1616 | 1622 | 1640 | 1645 | 1658 | 1677 |
|  | 1691 | 1699 | 1733 | 1859 | 1873 | 1879 | 1885 | 1894 | 1900 | 1924 |
|  | 1938  2228 | 1949  2279 | 2035 | 2059 | 2071 | 2081 | 2100 | 2109 | 2140 | 2213 |
| AIB | 1599 | 1742 | 1794 | 1813 | 1822 | 1830 | 1834 | 1892 | 1902 | 1919 |
|  | 1930 | 1985 | 2025 | 2111 | 2192 | 2195 | 2204 | 2207 | 2263 |  |
| AIH | 2117 | 2227 |  |  |  |  |  |  |  |  |
| AJM | 0422 | 0528 | 0624 | 0626 | 0628 | 0630 | 0666 | 0775 | 1213 | 1390 |
|  | 1503 | 1747 | 1751 | 1905 | 1966 | 1988 | 2048 |  |  |  |
| ALK | 0304 | 0315 | 0406 |  |  |  |  |  |  |  |
| AMC | 0288 | 0293 | 0331 | 1769 | 2113 | 2122 | 2142 | 2178 | 2186 | 2189 |
| AMU | 0620  1962 | 0631 | 0805 | 0908 | 1758 | 1790 | 1850 | 1893 | 1912 | 1926 |
| ANA | 0138 | 0139 | 0148 | 0151 | 0167 | 0170 | 0196 | 0212 | 0219 | 0245 |
|  | 0300 | 0328 | 0365 | 0383 | 0413 | 0482 | 0501 | 0507 | 0531 | 0534 |
|  | 0549 | 0554 | 0658 | 0669 | 0685 | 0802 | 0811 | 0963 | 1008 | 1042 |
|  | 1204 | 1227 | 1973 | 2054 | 2061 |  |  |  |  |  |
| ANZ | 2085 | 2090 | 2112 | 2130 | 2148 | 2153 | 2173 | 2257 |  |  |
| AUA | 0552 | 0570 | 0581 | 0768 | 0776 | 0797 | 0920 | 0935 | 1137 | 1150 |
|  | 1189 | 1387 | 1458 | 1478 | 2131 | 2174 | 2262 |  |  |  |
| AWE | 0052 | 0053 | 0054 | 0055 | 0064 | 0065 | 0066 | 0067 | 0076 | 0077 |
|  | 0081 | 0082 | 0091 | 0098 | 0099 | 0238 | 0271 | 0317 | 0448 | 0455 |
|  | 0471 | 0527 | 0543 | 0565 | 0584 | 0661 | 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 | 1323 | 1350 | 1373 | 1375 |
|  | 1395 | 1397 | 1406 | 1410 | 1419 | 1463 | 1490 | 1527 | 1534 | 1547 |
|  | 1552 | 1563 | 1565 | 1576 | 1621 | 1643 | 1644 | 1710 | 1764 | 1792 |
|  | 1844 | 1935 | 2029 | 2077 | 2193 |  |  |  |  |  |
| AWW | 0022 | 0023 |  |  |  |  |  |  |  |  |
| 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 | 1448 |
|  | 1457 | 1473 | 1480 | 1489 | 1722 | 1740 | 1745 | 1770 | 1779 | 2033 |
|  | 2057 | 2074 | 2083 | 2086 | 2101 | 2127 |  |  |  |  |
| B2A | 0169 | 0580 |  |  |  |  |  |  |  |  |

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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 | 1329 | 1338 | 1380 | 1384 | 1423 |
|  | 1440 | 1445 | 1466 | 1510 | 1513 | 1529 | 1537 | 1558 | 1574 | 1590 |
|  | 1594 | 1604 | 1606 | 1661 | 1665 | 1689 | 1696 | 1708 | 1760 | 1782 |
|  | 1814 | 1829 | 1871 | 1883 | 1899 | 1907 | 1910 | 1958 | 2038 | 2040 |
| BES | 1256 | 1999 |  |  |  |  |  |  |  |  |
| BGH | 0029 |  |  |  |  |  |  |  |  |  |
| BIE | 0517 | 0535 | 0642 | 0827 | 0891 |  |  |  |  |  |
| BKP | 2254 |  |  |  |  |  |  |  |  |  |
| BMA | 0806 | 0810 | 0835 | 0864 | 0934 | 0968 | 0974 | 1014 | 1045 | 1153 |
|  | 1174  1987 | 1177  2098 | 1183  2188 | 1207  2194 | 1383 | 1407 | 1418 | 1424 | 1697 | 1732 |
| BWG | 0519 | 0530 |  |  |  |  |  |  |  |  |
| C9L | 0615 | 0632 |  |  |  |  |  |  |  |  |
| CBF | 1596 | 1614 | 1776 | 1788 | 1974 | 1995 | 2067 | 2080 |  |  |
| CCA | 2172 | 2202 | 2205 | 2237 | 2269 | 2285 |  |  |  |  |
| CCM | 1068 | 1145 |  |  |  |  |  |  |  |  |
| CES | 0772 | 0799 | 0828 | 0883 | 0909 | 0914 | 0925 | 0967 | 1005 | 1028 |
|  | 1030 | 1041 | 1070 | 1072 | 1093 | 1108 | 1285 | 1303 | 1312 | 1330 |
|  | 1345 | 1357 | 1361 | 1377 | 1386 | 1532 | 1541 | 1542 | 1551 | 1601 |
|  | 1603 | 1639 | 1778 | 1786 | 1906 | 1911 | 1964 | 1981 | 2022 | 2034 |
|  | 2036  2221 | 2049  2235 | 2056  2239 | 2068  2244 | 2155 | 2171 | 2182 | 2199 | 2212 | 2219 |
| CIB | 0774  1416 | 0793  1437 | 0809 | 0884 | 0894 | 0905 | 0957 | 0971 | 1381 | 1402 |
| CJG | 0707  2015 | 0724 | 0876 | 0921 | 1296 | 1654 | 1679 | 1753 | 2000 | 2007 |
| CNW | 0665 | 0754 | 0838 | 0854 | 0897 | 0939 | 0984 | 0986 | 1316 |  |
| CRX | 0520 | 0577 | 0578 | 0585 | 0596 | 0603 | 0612 | 0621 | 0635 | 0643 |
|  | 0664 | 0673 | 0681 | 0701 | 0703 | 0713 | 0727 | 0734 | 0782 | 0987 |
|  | 1018 | 1144 | 1951 | 2024 | 2134 |  |  |  |  |  |
| CSC | 0540  1013 | 0550 | 0551 | 0556 | 0573 | 0582 | 0878 | 0915 | 0919 | 1007 |
| CSN | 0696 | 0698 | 0704 | 0705 | 0709 | 0710 | 0712 | 0718 | 0720 | 0722 |
|  | 0849 | 0859 | 0881 | 0895 | 0900 | 0950 | 0966 | 1035 | 1039 | 1057 |
|  | 1971 | 1986 | 2004 | 2008 | 2200 | 2203 | 2232 | 2273 |  |  |
| CTN | 0258 | 0767 | 0833 | 1009 | 1029 | 1237 | 1252 |  |  |  |
| CYP | 0028 | 0035 | 0037 | 0038 | 0180 | 0256 | 0295 | 0316 | 1729 | 1768 |
| D2F | 0326 | 0344 | 0478 | 0839 | 0892 | 1635 |  |  |  |  |
| DAT | 1160 | 1336 | 1388 |  |  |  |  |  |  |  |
| DBR | 1081 | 1370 |  |  |  |  |  |  |  |  |
| DCS | 1053 |  |  |  |  |  |  |  |  |  |

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| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| DGA | 1485 | 1556 |  |  |  |  |  |  |  |  |
| 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 | 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 | 1337 | 1365 | 1367 |  |  |  |
| EDW | 0942 | 0947 | 1026 |  |  |  |  |  |  |  |
| EEZ | 1852 | 1920 | 1937 | 1983 | 2001 |  |  |  |  |  |
| EIN | 0553 | 0559 | 0815 | 0841 | 0926 | 0991 | 1023 | 1094 | 1242 | 1394 |
|  | 1443 | 1467 | 2191 | 2206 | 2217 | 2250 | 2256 |  |  |  |
| EZY | 2037 | 2043 | 2050 | 2053 | 2062 | 2119 | 2120 | 2129 | 2170 | 2176 |
|  | 2181  2271 | 2184  2283 | 2196 | 2214 | 2224 | 2230 | 2245 | 2249 | 2251 | 2265 |
| F2I | 0283 | 0322 | 0545 | 0566 | 0739 | 0743 | 0857 | 0970 | 0995 | 1012 |
|  | 1054 | 1086 | 1124 | 1195 | 1259 |  |  |  |  |  |
| FCA | 0677  1720 | 0781  1777 | 0852  2180 | 1006 | 1017 | 1306 | 1320 | 1571 | 1605 | 1637 |
| FFT | 1488 | 1515 | 1560 | 1579 | 1583 | 1660 | 1684 | 1743 | 1759 | 1761 |
|  | 1781 | 1803 | 1841 | 1851 | 1863 | 1876 | 1890 | 1939 | 1943 | 1980 |
|  | 1991 | 1997 | 2010 | 2012 | 2017 | 2019 | 2030 | 2051 | 2103 | 2198 |
|  | 2209 | 2218 | 2236 | 2240 | 2241 | 2253 | 2258 | 2260 | 2276 |  |
| FHY | 0132 |  |  |  |  |  |  |  |  |  |
| FIN | 0941 | 0961 | 1073 | 1107 | 1184 | 1185 | 1241 | 1309 | 1352 | 1364 |
|  | 1405 | 1470 | 1544 | 1588 | 1678 | 1712 | 1735 | 1791 | 1808 | 1913 |
|  | 1916 | 1978 | 1989 | 2065 | 2124 | 2146 | 2154 | 2208 | 2266 |  |
| G2X | 0395 | 0761 | 0823 | 1667 | 1787 | 1975 |  |  |  |  |
| G4I | 1002 | 1157 | 1795 |  |  |  |  |  |  |  |
| G8E | 1136 | 1155 | 1170 | 1451 | 2175 | 2187 |  |  |  |  |
| GBL | 1215  1993 | 1428  2137 | 1433  2157 | 1687 | 1715 | 1723 | 1754 | 1869 | 1918 | 1969 |
| GFA | 0325  0537 | 0375 | 0409 | 0419 | 0421 | 0438 | 0445 | 0459 | 0466 | 0497 |
| GWI | 0071 | 0072 | 0086 | 0147 | 0382 | 0646 | 0654 | 0794 | 1016 | 1172 |
| GWY | 0427 | 0714 | 0730 | 1152 | 1198 | 1564 | 1615 | 1725 | 1860 | 1867 |
| HDA | 0633 | 0756 | 0784 | 0812 | 0816 | 0877 | 0930 | 0993 | 1024 | 1253 |
|  | 1695 | 1721 | 1984 | 2021 | 2229 | 2238 |  |  |  |  |
| HEJ | 0425 | 1992 | 2016 |  |  |  |  |  |  |  |
| HVN | 0557 | 0590 | 0591 | 0594 | 0597 | 0601 | 0605 | 0607 | 0611 | 0617 |
|  | 0619 | 0648 | 0650 | 2255 | 2261 | 2267 |  |  |  |  |
| I2L | 0443 | 0542 | 1004 | 1199 | 1218 |  |  |  |  |  |

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| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| 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 | 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 | 1288 | 1292 | 1318 | 1347 | 1362 | 1379 | 1396 |
|  | 1430 | 1454 | 1461 | 1484 | 1516 | 1530 | 1540 | 1550 | 1554 | 1572 |
|  | 1655 | 1674 | 1681 | 1694 | 1716 | 1736 | 1793 | 1809 | 1836 | 2104 |
|  | 2115 | 2143 | 2220 | 2225 | 2242 | 2248 | 2264 | 2270 |  |  |
| IWD | 0879 | 0888 | 1130 | 1578 | 1597 | 1657 | 1767 | 2011 |  |  |
| JAV | 0234 |  |  |  |  |  |  |  |  |  |
| JBU | 1123 | 1156 | 1173 | 1235 | 1240 | 1257 | 1270 | 1280 | 1302 | 1327 |
|  | 1398 | 1446 | 1452 | 1464 | 1506 | 1528 | 1546 | 1557 | 1591 | 1610 |
|  | 1650 | 1652 | 1705 | 1739 | 1784 | 1785 | 1802 | 1823 | 1827 | 1835 |
|  | 1849 | 1861 | 1868 | 1891 | 1896 | 1898 | 1904 | 1915 | 1917 | 1927 |
|  | 1948 | 2006 | 2020 | 2031 | 2042 | 2063 | 2075 | 2099 | 2125 | 2132 |
|  | 2136  2231 | 2141  2246 | 2147 | 2149 | 2150 | 2159 | 2160 | 2177 | 2201 | 2215 |
| JET | 0163 | 0363 | 0393 | 0414 |  |  |  |  |  |  |
| JKK | 1276 | 1333 | 1349 | 1366 | 1497 | 1631 | 1682 | 1749 | 1843 | 1862 |
|  | 1914 | 1933 | 1946 | 1979 | 1998 | 2027 | 2168 | 2210 | 2223 |  |
| KAC | 0181 | 0182 | 0195 | 2046 |  |  |  |  |  |  |
| LAJ | 0480 | 1194 | 1690 | 1711 | 1922 | 2190 |  |  |  |  |
| LAN | 1304 | 1332 | 1351 | 1355 | 1491 | 1512 | 1526 | 1548 | 1568 | 1626 |
|  | 1854 | 1858 | 1877 | 1903 | 2089 | 2096 |  |  |  |  |
| LAO | 0024 |  |  |  |  |  |  |  |  |  |
| LBT | 0140 | 0157 | 0222 | 0299 | 0348 | 1121 | 1175 | 1744 |  |  |
| LTC | 0142 |  |  |  |  |  |  |  |  |  |
| LTE | 1219 | 1233 | 1717 | 1775 | 2123 |  |  |  |  |  |
| LTU | 1385  1931 | 1441  1994 | 1493  2005 | 1504  2009 | 1553 | 1629 | 1762 | 1797 | 1806 | 1838 |
| LVG | 0792 | 1950 | 1970 |  |  |  |  |  |  |  |
| LXR | 0191 | 0221 | 0870 | 1439 | 1450 | 1589 |  |  |  |  |
| MAU | 1592 | 1936 |  |  |  |  |  |  |  |  |
| MEA | 0760 | 1878 | 1953 | 1956 | 1967 | 1977 | 2055 |  |  |  |
| MHS | 0026 |  |  |  |  |  |  |  |  |  |
| MLD | 0622 | 0662 |  |  |  |  |  |  |  |  |
| MNJ | 2108 | 2128 |  |  |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| MON | 0379  2234 | 0389 | 0391 | 0392 | 0983 | 1015 | 1707 | 1763 | 1941 | 2105 |
| MPH | 1944 | 1945 | 2167 |  |  |  |  |  |  |  |
| MSR | 0165 | 0166 | 0178 | 0194 | 0198 | 0351 | 0366 | 0680 | 0687 | 0715 |
|  | 0725 | 2070 | 2073 | 2079 | 2088 | 2094 |  |  |  |  |
| 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 | 0588 | 1429 | 1612 | 1618 |
|  | 1625  2126 | 1634 | 1706 | 1750 | 1866 | 1872 | 1882 | 1925 | 2066 | 2078 |
| MYT | 0164 | 0193 | 0230 | 0349 | 0424 | 0444 | 0449 | 1238 | 1250 | 1887 |
|  | 1942 | 1954 | 1960 | 1961 | 1965 | 1972 | 2060 |  |  |  |
| NVR | 2211 | 2216 |  |  |  |  |  |  |  |  |
| 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 | 1191 | 1230 | 1249 | 1324 | 1325 | 1346 | 1392 | 1414 |
|  | 1434 | 1453 | 1456 | 1483 | 1498 | 1501 | 1520 | 1535 | 1543 | 1549 |
|  | 1567 | 1570 | 1582 | 1633 | 1641 | 1646 | 1659 | 1662 | 1683 | 1685 |
|  | 1693 | 1709 | 1714 | 1738 | 1746 | 1752 | 1766 | 1774 | 1789 | 1796 |
|  | 1800 | 1810 | 1812 | 1815 | 1819 | 1820 | 1824 | 1828 | 1833 | 1839 |
|  | 1870 | 1875 | 1897 | 1923 | 1959 | 1976 | 1982 | 1990 | 2002 | 2013 |
|  | 2026 | 2028 | 2039 | 2047 | 2082 | 2087 | 2092 | 2095 |  |  |
| OHY | 0313 | 0345 | 0364 | 0385 | 0663 | 0668 | 0787 | 0954 |  |  |
| P2C | 0025 | 0030 | 0522 | 0533 | 0541 | 0548 | 0562 | 0574 |  |  |
| P2G | 0912 | 0916 |  |  |  |  |  |  |  |  |
| PAL | 0706 | 0745 | 0753 |  |  |  |  |  |  |  |
| PIC | 0604 | 0614 | 0789 |  |  |  |  |  |  |  |
| PTI | 1727 | 1880 | 1947 | 1955 |  |  |  |  |  |  |
| QAF | 0927 | 1335 |  |  |  |  |  |  |  |  |
| QTR | 0928 | 0932 | 0943 | 0977 | 1566 | 1648 | 1656 | 1773 | 1895 | 1928 |
|  | 1957 | 2097 | 2107 | 2121 | 2138 | 2161 |  |  |  |  |
| R1T | 1908 |  |  |  |  |  |  |  |  |  |
| RAM | 2064 | 2076 |  |  |  |  |  |  |  |  |
| RBA | 2023 | 2032 | 2135 | 2139 |  |  |  |  |  |  |
| RJA | 0087 | 0088 | 0289 | 0407 | 0569 |  |  |  |  |  |
| RML | 0397 |  |  |  |  |  |  |  |  |  |
| RNV | 0229 | 0547 | 0726 |  |  |  |  |  |  |  |
| RYN | 0460 | 0461 | 0575 | 0640 | 0659 | 0676 | 1408 | 1438 | 1459 | 1996 |

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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR  S2A | MSN  0990 |  |  |  |  |  |  |  |  |  |
| S8G | 1202 |  |  |  |  |  |  |  |  |  |
| SAA | 2268 | 2281 |  |  |  |  |  |  |  |  |
| SAS | 1587 | 1619 | 1642 | 1675 | 1798 | 1807 | 1817 | 1848 |  |  |
| SEU | 0653 | 0657 | 0973 | 1692 |  |  |  |  |  |  |
| SHJ | 0910 |  |  |  |  |  |  |  |  |  |
| SLK | 0872  2252 | 0899 | 0969 | 1074 | 1098 | 1228 | 1422 | 1561 | 1698 | 2058 |
| SSV | 0338 | 0429 | 0437 | 0476 | 0496 | 0671 | 0795 | 1411 | 1598 | 1686 |
|  | 1780 | 1846 | 1884 | 1901 | 2003 |  |  |  |  |  |
| SYR | 0886 | 0918 | 1032 | 1076 | 1085 | 1117 |  |  |  |  |
| TAE | 2014 | 2044 |  |  |  |  |  |  |  |  |
| TAI | 0558 | 0561 | 0733 | 0741 | 0747 | 0874 | 0902 | 1066 | 1113 | 1140 |
|  | 1159 | 1300 | 1334 | 1339 | 1353 | 1374 | 1400 | 1482 | 1500 | 1509 |
|  | 1523 | 1575 | 1624 | 1676 | 1730 | 1934 | 1952 | 2084 | 2102 | 2118 |
| TAM | 0243 | 0249 | 0250 | 0251 | 0334 | 0335 | 0440 | 0453 | 0758 | 0976 |
|  | 1010 | 1092 | 1096 | 1103 | 1139 | 1143 | 1158 | 1246 | 1251 | 1368 |
|  | 1376 | 1486 | 1518 | 1580 | 1593 | 1595 | 1608 | 1613 | 1628 | 1663 |
|  | 1672  1837 | 1703  1855 | 1771  1857 | 1801  1888 | 1804 | 1818 | 1825 | 1826 | 1831 | 1832 |
| TAP | 0185 | 0750 | 0755 | 0763 | 0790 | 0821 | 0837 | 0906 | 0917 | 0933 |
|  | 0945 | 0960 | 0979 | 0982 | 1034 | 1100 | 1106 | 1120 | 1127 | 1165 |
|  | 1181 | 1206 | 1231 | 1307 | 1399 | 1713 | 1799 | 1816 |  |  |
| TAR | 0119 | 0123 | 0124 | 0205 | 0370 | 0390 | 0402 | 0511 | 0869 | 0880 |
|  | 0958 | 0975 | 1187 | 1479 | 1700 |  |  |  |  |  |
| TAS | 0629 | 0814 | 0937 | 1372 | 1413 |  |  |  |  |  |
| TCW | 0354 | 0357 | 0394 | 0411 | 1929 |  |  |  |  |  |
| TCX | 0716 | 0735 | 1968 |  |  |  |  |  |  |  |
| TNA | 0441 | 0538 | 0555 | 0606 | 0731 | 0746 | 0791 | 0822 |  |  |
| TSC | 0737 | 0749 |  |  |  |  |  |  |  |  |
| TWJ | 0913 |  |  |  |  |  |  |  |  |  |

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|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| OPERATOR | MSN |  |  |  |  |  |  |  |  |  |
| 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 | 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 | 1321 | 1341 | 1343 | 1359 | 1363 | 1401 |
|  | 1409 | 1420 | 1426 | 1427 | 1432 | 1435 | 1460 | 1469 | 1474 | 1475 |
|  | 1477 | 1495 | 1507 | 1508 | 1514 | 1522 | 1533 | 1538 | 1545 | 1555 |
|  | 1559 | 1569 | 1573 | 1581 | 1584 | 1585 | 1586 | 1600 | 1609 | 1617 |
|  | 1620 | 1627 | 1647 | 1649 | 1653 | 1664 | 1669 | 1671 | 1680 | 1688 |
|  | 1702  1847 | 1728  1865 | 1731 | 1737 | 1741 | 1755 | 1821 | 1840 | 1842 | 1845 |
| UKM | 0027 |  |  |  |  |  |  |  |  |  |
| 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 | 1141 | 1147 |
|  | 1148 | 1171 | 1182 | 1203 | 1205 | 1209 | 1210 | 1224 | 1245 | 1254 |
|  | 1263 | 1264 | 1265 | 1268 | 1269 | 1275 | 1277 | 1286 | 1287 | 1289 |
|  | 1294 | 1297 | 1298 | 1301 | 1310 | 1311 | 1313 | 1314 | 1315 | 1317 |
|  | 1319 | 1326 | 1328 | 1331 | 1340 | 1342 | 1348 | 1354 | 1358 | 1360 |
|  | 1369 | 1371 | 1378 | 1382 | 1389 | 1391 | 1393 | 1403 | 1412 | 1417 |
|  | 1425 | 1431 | 1436 | 1442 | 1447 | 1455 | 1462 | 1465 | 1472 | 1481 |
|  | 1492 | 1496 | 1499 | 1517 | 1519 | 1521 | 1525 | 1531 | 1536 | 1539 |
|  | 1651 | 1666 | 1701 | 1704 | 1724 |  |  |  |  |  |
| VIR | 0764 | 0978 |  |  |  |  |  |  |  |  |
| VKG | 0294 | 0301 | 1881 | 1889 | 1921 | 1932 | 2114 | 2162 | 2183 |  |
| VLE | 0085 | 0189 | 0190 | 0343 | 0420 | 0436 | 0446 | 1125 | 1132 | 1162 |
|  | 1179 | 1244 | 1308 | 1322 | 1607 | 1757 | 1856 | 1909 |  |  |
| WGT | 1212 |  |  |  |  |  |  |  |  |  |

(c) Effectivity by MSN and Kit/Configuration

No AIRBUS kit is required for the accomplishment of this

Service Bulletin .

(3) Spares

AEVC

B . CONCURRENT REQUIREMENTS

87292325V05

Accomplishment of this Service Bulletin requires the prior or

simultaneous accomplishment of :

Service Bulletin No . 87292325-21-008 (THALES AVIONICS)

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SERVICE BULLETIN

C . REASON

(1) History

Spurious AVIONICS SMOKE Electronic Centralized Aircraft Monitoring

(ECAM) warning have been reported in service . One of the possible

sources is the failure of a memory on the Printed Circuit Board

(PCB) of the Avionics Equipment Ventilation Computer (AEVC) .

The dispatch of the aircraft can be affected by this spurious smoke

warning indications .

(2) Objective/Action

This Service Bulletin is published to advise all operators of

A318/A319/A320/A321 aircraft, of the issue of THALES AVIONICS

Service Bulletin No . 87292325-21-011 .

THALES AVIONICS Service Bulletin is issued to upgrade the current

AEVC standard PN 87292325V05 into the new standard PN 87292325V06 .

This new standard includes the following modifications :

— Inhibition of AEVC smoke detector output test in flight

configuration .

— Installation of absorbers to reduce the board vibration .

(3) Advantages

Accomplishment of this Service Bulletin will minimize the

possibility of spurious smoke warning indications and reduce the

operational interruption due to such warnings .

(4) Operational/Maintenance Consequences

None

D . DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Modify the AEVC (FIN 10 HQ) in the aft electronics rack 80VU .

E . COMPLIANCE

(1) Classification

Desirable

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule .

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SERVICE BULLETIN

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

upwards to suit operator's circumstances . The estimates do not include

the time to prepare, plan or inspect the work . Manufacture and

procurement of parts and tools, drying times for paints, sealants, etc,

and general administration work are also not included .

On aircraft

Get access

Replacement of the AEVC

Test

Close-up

TOTAL MANHOURS

ELAPSED TIME (HOURS)

On bench

Modification of the AEVC

TOTAL MANHOURS

ELAPSED TIME (HOURS)

H . WEIGHT AND BALANCE

0 . 5

1 .0

0 . 5

0 . 5

2 . 5

2 . 5

--

Refer to THALES AVIONICS

Service Bulletin No .

87292325-21-011

Refer to THALES AVIONICS

Service Bulletin No .

87292325-21-011

Not changed

I . ELECTRICAL LOAD DATA

Not changed

J . REFERENCES

Aircraft Maintenance Manual (AMM) : 21-26-34

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Elec . Std . Practices Manual (ESPM) : 20- 55-00

THALES AVIONICS Service Bulletin No . 87292325-21-008

THALES AVIONICS Service Bulletin No . 87292325-21-011

K . PUBLICATIONS AFFECTED

Aircraft Wiring List (AWL)

Aircraft Maintenance Manual (AMM) : 21-26-00 21-26-34

Illustrated Parts Catalog (IPC) : 21-26-08 21-26-34

Trouble Shooting Manual (TSM) : 21-26-00

L . INTERCHANGEABILITY/MIXABILITY

DESCRIPTION

OLD

PART No .

NEW

PART

No .

INT MIXABILITY

AEVC

87292325V05

87292325V06

02 N/A

NOTE : For definitions of interchangeability codes shown in 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

Modification of removed equipment should be negotiated directly with THALES AVIONICS as per instructions given in Service Bulletin No . 87292325-21-011 .

(2) Price and Availability

Refer to the vendor Service Bulletin No . 87292325-21-011 for the

equipment modification sales terms .

B . INDUSTRY SUPPORT INFORMATION

Refer to the Vendor Service Bulletin (VSB) for the industry support

terms .

C . LIST OF COMPONENTS

None

D . LIST OF MATERIALS — OPERATOR SUPPLIED

(1) Consumable Materials

None

(2) Components

ITEM NEW PART No . QTY UM KEYWORD ITEM OLD PART No . INT INST DISP

87292325V06 1 AEVC 87292325V05 02 (01)

NOTE : For definitions of interchangeability codes shown in column

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

NOTE (01) Modification of removed equipment should be negotiated

directly with THALES AVIONICS as per instructions given

in Service Bulletin No . 87292325-21-011 .

E . PARTS TO BE RE— IDENTIFIED BY THE OPERATOR

None

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 ALL THE CAUTIONS

INCLUDED IN THE REFERENCED PROCEDURES .

CAUTION : ALWAYS OBEY THE PRECAUTIONS THAT FOLLOW TO KEEP ELECTRICAL

WIRING IN A SATISFACTORY CONDITION (ELECTRICALLY AND

MECHANICALLY SERVICEABLE) . WHEN YOU DO MAINTENANCE WORK,

REPAIRS OR MODIFICATIONS, ALWAYS KEEP ELECTRICAL WIRING,

COMPONENTS AND THE WORK AREA AS CLEAN AS POSSIBLE, TO DO THIS

:

— PUT PROTECTION, SUCH AS PLASTIC SHEETING, CLOTHS, ETC;

AS NECESSARY ON WIRING AND COMPONENTS .

— REGULARLY REMOVE ALL SHAVINGS, UNWANTED MATERIAL AND OTHER

CONTAMINATION .

THESE PRECAUTIONS WILL DECREASE THE RISK OF CONTAMINATION

AND DAMAGE TO THE ELECTRICAL WIRING INSTALLATION .

IN CASE OF CONTAMINATION REFER TO ESPM 20- 55-00 .

(1) Preparation

(a) Do the preparation procedure as specified in the

removal/installation of the AEVC (10HQ) (Refer to AMM 21-26- 34

Page block 401) .

(2) Standard Practices

None

B . MODIFICATION

NOTE : For the modification of the AEVC, refer to THALES AVIONICS Service Bulletin No . 87292325-21-011 .

(1) Modify the AEVC (FIN 10 HQ) in the aft electronics rack 80VU .

Refer to AMM 21-26- 34 Page block 401.

(a) Remove :

FIN 10HQ

1 AEVC 87292325V05

(b) Install :

FIN 10HQ

1 AEVC 87292325V06

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C . TEST

(1) Do the test after removal/installation of the AEVC (10HQ) (Refer to AMM 21-26-34 Page block 401) .

D . CLOSE UP

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

other items of equipment .

(2) Do the close-up procedure as specified in the removal/installation

of the AEVC (10HQ) (Refer to AMM 21-26- 34 Page block 401) .

E . DOCUMENTATION

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

given in the Service Bulletin .

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SERVICE BULLETIN

REPORTING SHEET

TITLE : AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - INSTALL THALES AEVC

STD 06 P/N 87292325V06 .

MODIFICATION No . : 33967P8497

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 .

5 DATE : Apr 05/04

REVISION No . : 00 —

SERVICE BULLETIN No . : A320— 21— 1147

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@ Ac18/Ac16/Ac20/Ac21

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 :

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