



AIRBUS INDUSTRIE
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE
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Telex : AIRBU 530526F
Fax : (33) 5 61 93 42 51

ATA SYSTEM : 21

TITLE : AIR CONDITIONING – AVIONICS EQUIPMENT VENTILATION – ADD RESISTOR ON AEVC
INLET SKIN AIR VALVE CONTROL LINE.

MODIFICATION No. : 30934P6961

This page transmits Revision No. 01 of Service Bulletin No. A320-21-1129.

ADDITIONAL WORK

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

REASON

Revision No. 01 issued to add reference to TFU 21.26.00.020 and modify the effectivity.

CHANGES

SUMMARY :

- EFFECTIVITY
 - . Operators updated and NOTE modified.
- REFERENCES/REPERCUSSIONS
 - . Reference to TFU 21.26.00.020 added.

PLANNING INFORMATION :

- EFFECTIVITY
 - . Effectivity updated and NOTE modified.
- REFERENCES
 - . Reference to AWM 20-60-00 becomes ESPM 20-30-00.

ACCOMPLISHMENT INSTRUCTIONS :

- GENERAL
- Standard Practices

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SERVICE BULLETIN REVISION TRANSMITTAL SHEET

. Reference to AWM 20-60-00 becomes ESPM 20-30-00.

NOTE : Lay-out changes due to computerization of this revision are not identified.

FILING INSTRUCTIONS

This Service Bulletin has been generated electronically and is reissued 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.

REVISION SEQUENCE

ORIGINAL : Apr 03/01

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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 - ADD RESISTOR ON AEVC
INLET SKIN AIR VALVE CONTROL LINE.

MODIFICATION No. : 30934P6961

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

The skin air inlet valve closure command in the Avionics Equipment Ventilation Computer (AEVC) can be aborted by a voltage spike related to the valve internal relay.

Some electrical characteristics of wiring and the normal spectral response of the valve lead to an unstable oscillation in the command circuit and cross over the threshold of the current limitation protection of the AEVC.

In order to reduce the occurrence of aborted closure command, this Service Bulletin proposes addition of a resistor on the closure command wiring.

By an amplitude modulation rejection and an uncoupling between the valve, the wiring and the computer, the resistor shifts the oscillating point to an other which has shown through experience to be out of AEVC range.

EVALUATION 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	No
KIT PRICE (USD) A01R02	260		

EFFECTIVITY

This Service Bulletin is applicable to these operators :

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SERVICE BULLETIN SUMMARY

53Z AAA AAR ACA ADR AEF AES AFR AIH AJM ALK AMC AMM AMU ANA AUA AWE AWQ AZA BAW
BES BMA C3J C9G CES CIB CJG CMM CNW CSC CSN CTN CYP DCS DLH EDW EEZ EIN EWG F2I
FIN G2X G4I GBL GFA HDA HVN IAC IBE IWD JBU JKK JMC KAC KZW LAJ LAN LBT LTU LXR
MEA MON MSR MXA NWA O2X OHY OYC PAL PIC QAF QTR RJA RYN S2A SAB SEU SHJ SHK SLK
SSV SWR SYR TAI TAM TAP TAR TAS TNA TWJ UAL USA VIR VLE WGT

NOTE : This modification is embodied before delivery on A319 aircraft MSN 1371 ,
1373 , 1375 , 1395 , 1401 , 1414 , 1429 , 1444 , 1445 , 1463 , 1466 ,
1479 and subsequent, on A320 aircraft MSN 1367 , 1407 , 1405 , 1409 ,
1418 , 1424 , 1430 , 1432 , 1435 , 1439 , 1452 and subsequent, on A321
aircraft MSN 1356 , 1408 , 1417 , 1431 , 1433 , 1455 , 1462 , 1465 , 1476
, 1481 and subsequent.

CONCURRENT REQUIREMENTS

None

REFERENCES/REPERCUSSIONS

TFU	: 21.26.00.020
OEB	: None
AOT	: None
SIL	: None
LIFE LIMIT	: None
LINE MAINTENANCE AFFECTED	: No
OTHERS	: None

NATURE OF THE WORK

AIRCRAFT : YES
EQUIPMENT : NO
HARD : NO
SOFT : NO
OBRM : NO

MANPOWER

Kit 211129A01R02

TOTAL MANHOURS	4.0
----------------	-----

ELAPSED TIME (HOURS)	4.0
----------------------	-----

MATERIAL INFORMATION

AIRCRAFT DATA

Kit 211129A01R02

Resistor assy, bundle, placard set.

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SERVICE BULLETIN SUMMARY

APPENDICES

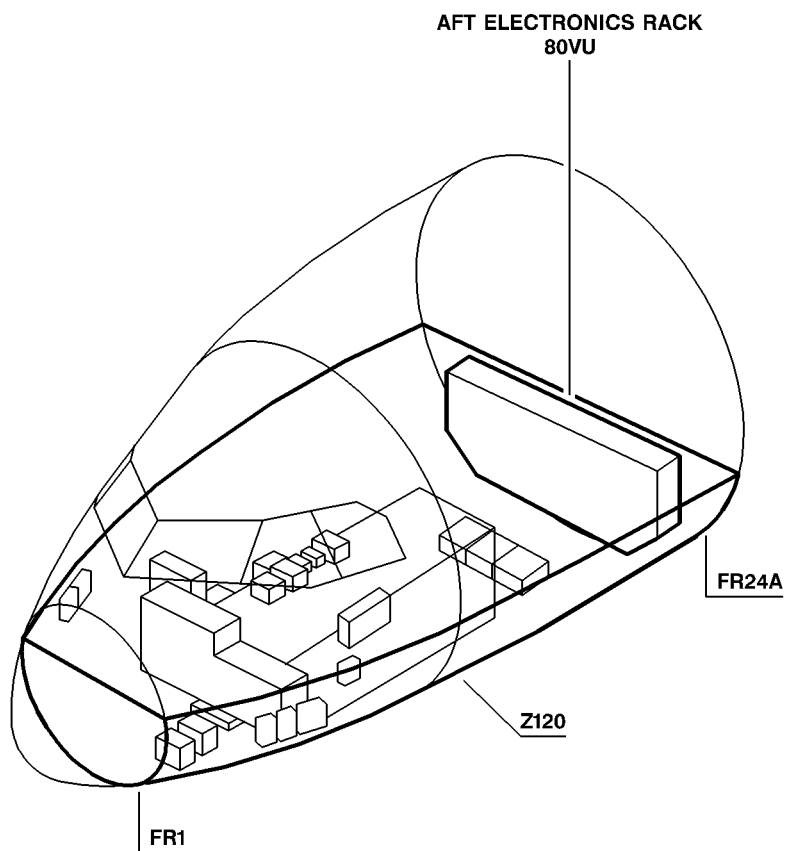
None

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ATA SYSTEM : 21

TITLE : AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - ADD RESISTOR ON AEVC
INLET SKIN AIR VALVE CONTROL LINE.

MODIFICATION No. : 30934P6961

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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 0106-0373 0375-0432
0434-0480 0482-0535 0537-0707 0709-1277 1279-1355 1357-1366
1368-1370 1372 1374 1376-1394 1396-1400 1402-1404 1406
1410-1413 1415 1416 1419-1423 1425-1428 1434 1436-1438
1440-1443 1446-1451 1453 1456 1458 1460 1468 1471 1472 1474
1477

NOTE : This modification is embodied before delivery on A319 aircraft MSN 1371 , 1373 , 1375 , 1395 , 1401 , 1414 , 1429 , 1444 , 1445 , 1463 , 1466 , 1479 and subsequent, on A320 aircraft MSN 1367 , 1407 , 1405 , 1409 , 1418 , 1424 , 1430 , 1432 , 1435 , 1439 , 1452 and subsequent, on A321 aircraft MSN 1356 , 1408 , 1417

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, 1431 , 1433 , 1455 , 1462 , 1465 , 1476 , 1481 and subsequent.

(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	MSN
53Z	1468
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
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 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 0575 0580 0659 0661 0667 0787 0792 0954 0990 1004 1195 1199 1218 1421 1438
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 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 0674 0675 0684 0761 0777 0796 0938 0956 0985 0998 1000 1020 1025 1036 1133 1151 1169 1176 1190 1201 1216 1267 1271 1299 1344 1404 1415 1449 1471
AIH	0163 0164 0168 0169 0179 0193 0362 0363 0424 0444 0449 0808 0823 1238 1250
AJM	0422 0528 0624 0626 0628 0630 0666 0775 1213 1390
ALK	0406
AMC	0112 0293
AMM	0677 0781 0852 1006 1017 1306 1320
AMU	0550 0557 0573 0582 0620 0631 0805 0908



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SERVICE BULLETIN

OPERATOR	MSN
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
AUA	0552 0570 0581 0768 0776 0797 0920 0935 1137 1150 1189 1387 1458
AWE	0052 0053 0054 0055 0064 0065 0066 0067 0076 0077 0081 0082 0091 0092 0098 0099 0238 0271 0315 0317 0448 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 1323 1350 1397 1406 1410 1419
AWQ	0542
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
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
BES	1256
BMA	0806 0810 0835 0864 0934 0968 0974 1014 1045 1153 1174 1177 1183 1207 1383
C3J	0772 0799 0828 0883 0914 0925
C9G	0460
CES	1005 1028 1030 1070 1072 1093 1108 1285 1303 1312 1330 1357 1361 1377 1386
CIB	0774 0793 0809 0884 0894 0905 0957 0971 1381 1402 1416 1437
CJG	0707 0724 0876 0921 1296
CMM	0132 0397 0409
CNW	0665 0754 0838 0854 0897 0909 0939 0967 0984 0986 1041 1316 1345
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 0414 0430
DCS	1053

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OPERATOR	MSN
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 0652 0689 0692 0694 0699 0700 0717 0723 0729 0738 0744 0853 0860 0875 0887 0901 1080 1161 1188 1214 1260 1273 1337 1365
EDW	0942 0947 1026
EEZ	1448
EIN	0815 0841 0926 0991 1023 1094 1242 1394 1443
EWG	0646 0654 0794 1016 1172
F2I	1054 1086 1364
FIN	0941 0961 1073 1107 1185 1241 1309 1352
G2X	0249
G4I	1002 1157
GBL	1215 1428
GFA	0313 0325 0345 0375 0419 0421 0438 0445 0459 0466 0497 0537
HDA	0633 0756 0784 0812 0816 0877 0930 0993 1024 1253
HVN	0590 0591 0594 0597 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 0247 0257 0327 0336 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 1288 1292 1318 1347 1362 1379 1396
IWD	0225 0308 0314 0879 0888
JBU	1123 1156 1173 1235 1240 1257 1270 1280 1302 1327 1398 1446
JKK	1276 1333 1349 1366
JMC	0354 0357 0443 0716
KAC	0181 0182 0195
KZW	0641 0651 0679
LAJ	0376 0386 0480 1194
LAN	1304 1332 1351 1355
LBT	1121 1175
LTU	0530 1385 1441

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SERVICE BULLETIN

OPERATOR	MSN
LXR	0191 0395
MEA	0640 0663 0668 0676 0760
MON	0379 0389 0391 0392 0446 0983 1015 1202
MSR	0165 0166 0178 0194 0198 0351 0366 0680 0687 0715 0725
MXA	0252 0259 0260 0261 0275 0276 0280 0291 0292 0296 0320 0321 0332 0347 0353 0361 0368 0369 0373 0405 0415 0428 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 1324 1325 1346 1392 1434 1453 1456
02X	0304
OHY	0364 0385
OYC	0221 0222 0294 0299 0301 0348 0349
PAL	0706 0745 0753
PIC	0604 0614
QAF	0927 1335
QTR	0928 0932 0943 0977
RJA	0087 0088 0289 0407 0569
RYN	0393 0394 0411 0714 0730 0735
S2A	1413 1450
SAB	0970 0995 1012 1048 1068 1081 1102 1124 1145 1160 1184 1283 1305 1336 1370 1388
SEU	0653 0657 0737 0749 0973
SHJ	0910
SHK	0322 0326 0344 0478
SLK	0872 0899 0969 1074 1098 1228 1422
SSV	0230 0338 0427 0429 0437 0447 0476 0496 0525 0579 0645 0671 0795 1411
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 0713 0727 0734 0782 0827 0870 0891 0987 1018 1144
SYR	0886 0918 1032 1076 1085 1117

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OPERATOR	MSN
TAI	0425 0461 0558 0561 0733 0741 0747 0789 0874 0902 0912 0916 1007 1066 1113 1140 1159 1300 1334 1339 1353 1374 1400
TAM	0243 0250 0251 0334 0335 0440 0453 0758 0976 1010 1092 1096 1103 1139 1143 1158 1246 1251 1368 1376
TAP	0185 0234 0750 0755 0763 0790 0821 0837 0906 0917 0933 0945 0960 0979 0982 1034 1100 1106 1120 1127 1165 1181 1206 1231 1307 1399
TAR	0119 0123 0124 0205 0370 0390 0402 0511 0869 0880 0958 0975 1187
TAS	0371 0814 0937 1372
TNA	0441 0538 0555 0602 0606 0731 0746 0791 0822
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 1321 1341 1343 1359 1363 1420 1426 1427 1460 1474 1477
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 1287 1289 1294 1297 1298 1301 1310 1311 1313 1314 1315 1317 1319 1326 1328 1331 1340 1342 1348 1354 1358 1360 1369 1378 1382 1389 1391 1393 1403 1412 1425 1436 1442 1447 1472
VIR	0764 0978 1130 1219 1233
VLE	0085 0189 0190 0343 0420 0436 1125 1132 1152 1162 1179 1198 1244 1259 1308 1322 1451
WGT	1212

(c) Effectivity by MSN and Kit/Configuration

The kits and configurations applicable to these MSNs are given at the end of this list:

0002-0008 0010-0014 0016-0078 0080-0104 0106-0373 0375-0432
0434-0480 0482-0535 0537-0707 0709-1277 1279-1355 1357-1366
1368-1370 1372 1374 1376-1394 1396-1400 1402-1404 1406
1410-1413 1415-1416 1419-1423 1425-1428 1434 1436-1438



1440-1443 1446-1451 1453 1456 1458 1460 1468 1471-1472 1474
1477

KIT No.	QTY PER A/C	CONFIGURATION
211129A01R02	1	None

(3) Spares

None

B. CONCURRENT REQUIREMENTS

None

C. REASON

(1) History

The skin air inlet valve closure command in the Avionics Equipment Ventilation Computer (AEVC) can be aborted by a voltage spike related to the valve internal relay.

Some electrical characteristics of wiring and the normal spectral reponse of the valve lead to an unstable oscillation in the command circuit and cross over the threshold of the current limitation protection of the AEVC.

(2) Objective/Action

In order to reduce the occurrence of aborted closure command, this Service Bulletin proposes addition of a resistor on the closure command wiring.

(3) Advantages

By an amplitude modulation rejection and an uncoupling between the valve, the wiring and the computer, the resistor shifts the oscillating point to an other which has shown through experience to be out of AEVC range.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

(1) Modify the rear plate of the shelf 86VU.

(2) Install a resistor on the rear plate of the shelf 86VU.

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(3) Modify the wiring in the shelf 86VU.

E. COMPLIANCE

(1) Classification

DESIRABLE

(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 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.

Kit 211129A01R02

Get access	1.0
Modification of rear plate in 86VU	0.5
Installation of resistor in 86VU	0.5
Modification of wiring in 86VU	0.5
Tests	0.5
Close-up	1.0
TOTAL MANHOURS	4.0
ELAPSED TIME (HOURS)	4.0

H. WEIGHT AND BALANCE

Not changed

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I. ELECTRICAL LOAD DATA

Not changed

J. REFERENCES

Aircraft Maintenance Manual (AMM) : 06-41-53 11-00-00 12-34-24
21-26-34 25-54-11 52-10-00
52-30-00 52-41-00

Consumable Material List (CML)

Elec. Std. Practices Manual (ESPM) : 20-30-00

Structural Repair Manual (SRM) : 51-44-11

K. PUBLICATIONS AFFECTED

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

Aircraft Wiring List (AWL)

L. INTERCHANGEABILITY/MIXABILITY

None

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2. MATERIAL INFORMATION

A. MATERIAL – PRICE AND AVAILABILITY

(1) Material

Customers with aircraft shown in the effectivity of this Service Bulletin should send a purchase order to AIRBUS. Quote the number of this Service Bulletin. The address is :

AIRBUS
MATERIEL SUPPORT CENTER
P.O. Box 630262
22312 HAMBURG
GERMANY

(2) Price and Availability

Kit 211129A01R02

Cost : 260 US Dollars

Availability : 120 calendar days from receipt of order

The Kit availability given above is the standard lead time from the date of your purchase order. If you require the Kit(s) before this time, please include a retrofit planning schedule with your order so that we can try to comply with your requirements.

The sales terms (costs and availability) are estimated in relation to economic conditions at the issue date of the Service Bulletin.

B. INDUSTRY SUPPORT INFORMATION

None

C. LIST OF COMPONENTS

Kit 211129A01R02

ITEM	NEW PART No.	QTY	UM	KEYWORD	ITEM	OLD PART No.	INT	INST	DISP
1	D9251488200000	1		Resistor					
2	NAS1100-04-5	2		Screw					
3	ASNA2397-4L	4		Washer					
4	MS21042-04	2		Nut					
	D9000095214895	1		Bundle					
	D9100095209695	1		Set					
	NSA935401-03	1		Tie					
	NSA935401-05	1		Tie					
	NSA935401-08	1		Tie					

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NOTE : Refer to the AIRBUS Standards Manual (SM) if you find part numbers of hardware components in the related kit(s) which you cannot identify in the LIST OF COMPONENTS of this Service Bulletin. The SM will give you the correct part number to part number relationship.

D. LIST OF MATERIALS – OPERATOR SUPPLIED

(1) Consumable Materials

DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	INST DISP
Anti-Corrosion Primer (Polyurethane)	16-001	As required	
Polyurethane Topcoat Grey	16-002	As required	

(2) Components

None

E. PARTS TO BE RE-IDENTIFIED BY THE OPERATOR

None

F. TOOLING – PRICE AND AVAILABILITY

None

G. SPECIAL TOOLS

None



3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

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

(1) Preparation

- (a) Electrically ground the aircraft (Refer to AMM 12-34-24 Page block 201).
- (b) Put the access platforms in position at the access doors.
- (c) Open the passenger/crew door 841 (Refer to AMM 52-10-00 Page block 201).
- (d) Open the FWD cargo-compartment door 825 (Refer to AMM 52-30-00 Page block 201).
- (e) Open the avionics-compartment door 824 (Refer to AMM 52-41-00 Page block 201).
- (f) In the FWD cargo-compartment at FR24A, remove the partition panels 132EW, 131CW, 131AW and 132BW (Refer to AMM 06-41-53 and AMM 25-54-11 Page block 401).
- (g) 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

- (a) For the specification of the material number (Mat No.), refer to CML.
- (b) Drill and deburr the holes (Refer to SRM 51-44-11).
- (c) After drilling, apply Anti-Corrosion Primer (Polyurethane) (Mat No. 16-001) and Polyurethane Topcoat Grey (Mat No. 16-002) .
- (d) Bond the placards (Refer to AMM 11-00-00 Page block 201).
- (e) To install the new wires, cut them to the necessary length, crimp the terminals and connect them.
- (f) Do a continuity test of the modified and new wires.
- (g) Route the new wires with the wires that are in the aircraft.
- (h) Obey the instructions of the wiring installation (Refer to ESPM 20-30-00).



B. MODIFICATION

- (1) Modify the rear plate of the shelf 86VU.
Refer to figure 1

(a) Drill two holes to 3.5 mm (0.138in.) dia., at the dimension given in the figure.

- (2) Install a resistor on the rear plate of the shelf 86VU.
Refer to figure 2

(a) Near the 1862VT and 1880VT, Install :

FIN 33HQ

1	Resistor assy	D9251488200000	Item 1
---	---------------	----------------	--------

with :

2	Screw	NAS1100-04-5	Item 2
4	Washer	ASNA2397-4L	Item 3
2	Nut	MS21042-04	Item 4

(b) Near the resistor, bond the placard 33HQ, supplied in :

Placard set	D9100095209695
-------------	----------------

- (3) Modify the wiring in the shelf 86VU.
Refer to figure 3
Refer to figure 4

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

(b) Modify the connection of wire shown on the lines 1 and 2
(Refer to figure 4).

(c) Install the wire shown on the line 6 (Refer to figure 4)
supplied in :

Bundle	D9000095214895
--------	----------------

(d) Attach the wires with :

Cable-ties	NSA935401-03
Cable-ties	NSA935401-05
Cable-ties	NSA935401-08

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

C. TEST

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

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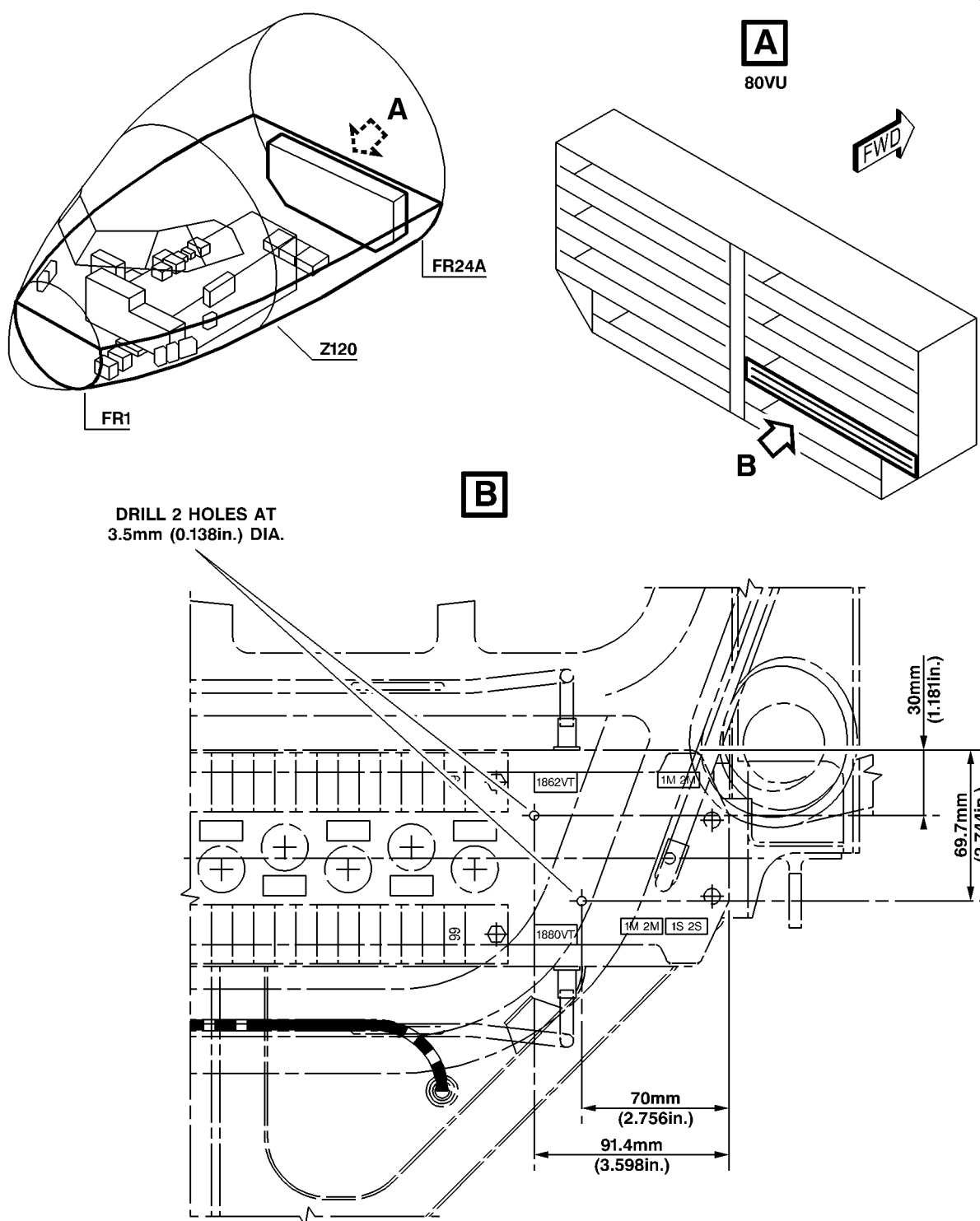


D. CLOSE UP

- (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).
- (3) In the FWD cargo-compartment at FR24A, install the partition panels 132EW, 131CW, 131AW and 132BW (Refer to AMM 06-41-53 and AMM 25-54-11 Page block 401).
- (4) Close the avionics-compartment door 824 (Refer to AMM 52-41-00 Page block 201).
- (5) Close the FWD cargo-compartment door 825 (Refer to AMM 52-30-00 Page block 201).
- (6) Close the passenger/crew door 841 (Refer to AMM 52-10-00 Page block 201).
- (7) Remove the access platforms from the access doors.
- (8) Disconnect the aircraft electrical ground-connection (Refer to AMM 12-34-24 Page block 201).
- (9) Restore the systems and the aircraft to normal operating condition.

E. DOCUMENTATION

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



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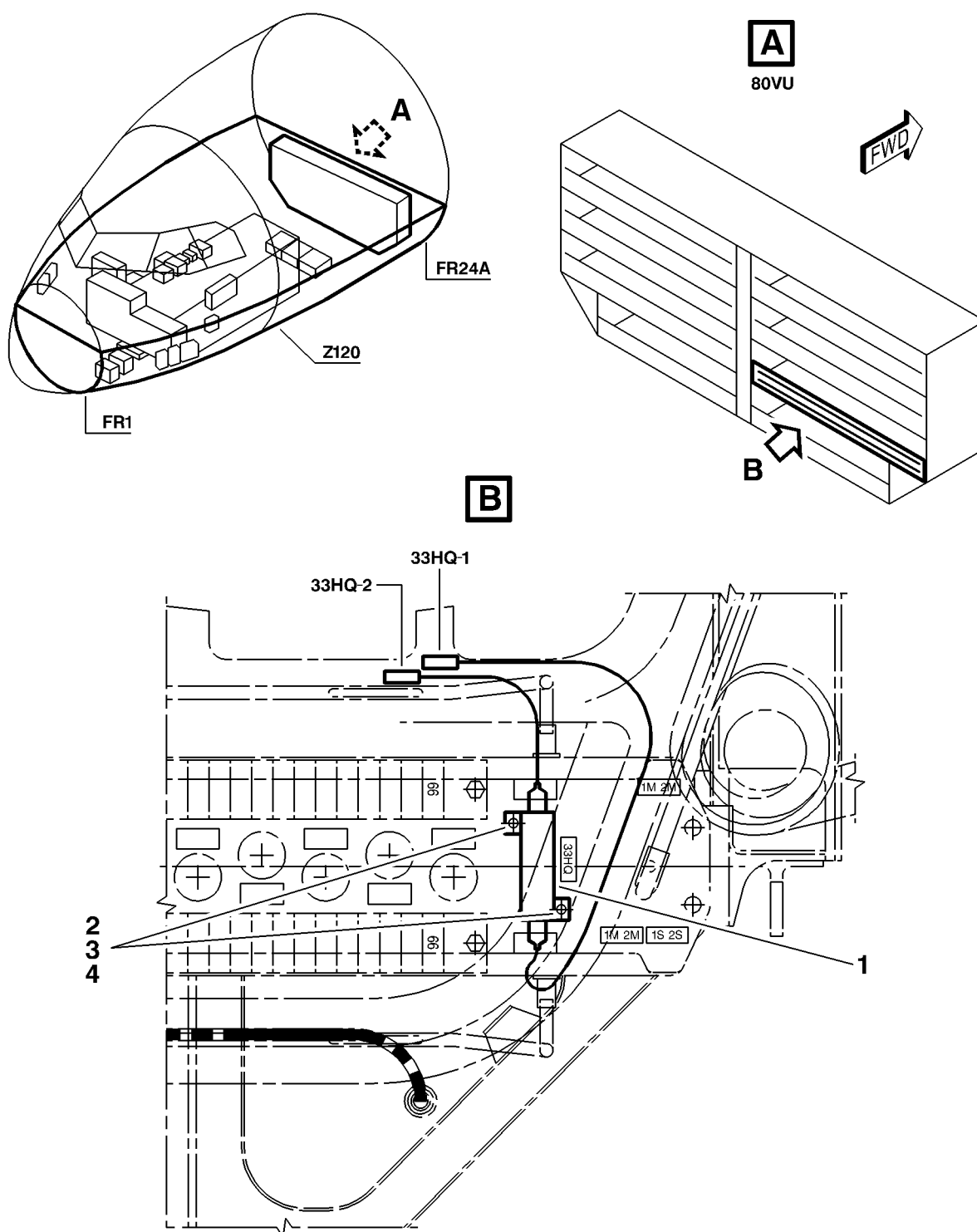


Figure 2 Sheet 1
Installation of the Resistor Assy in the Shelf 86VU

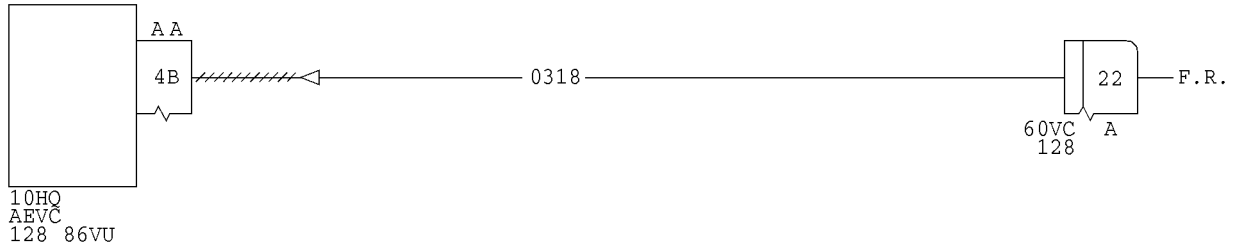
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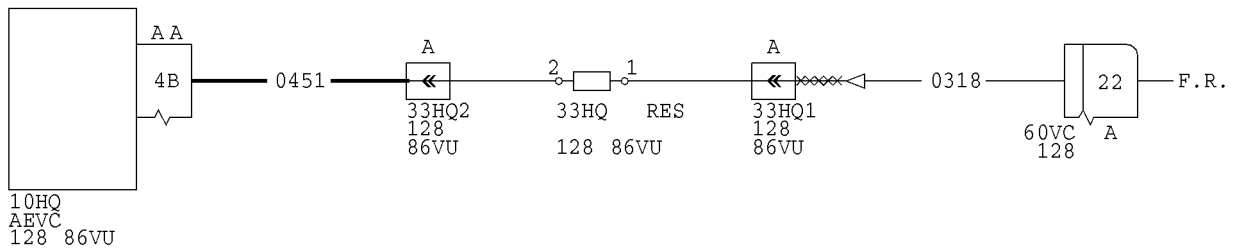
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BEFORE



AFTER



OLD HOOK-UP

NEW HOOK-UP

NEW WIRE

F.R. FOR REFERENCE

NOTE : UNLESS OTHERWISE SPECIFIED PREFIX ALL WIRE IDENTIFICATION WITH ATA2126
UNLESS OTHERWISE SPECIFIED ALL WIRES ARE CF24 GAUGE
UNLESS OTHERWISE SPECIFIED ALL ROUTES ARE 1M

NE5211129BAAAA

Figure 3 Sheet 1
Modification of the Wiring in the Shelf 86VU

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Figure 4 Sheet 1
Hook-up Chart (Goto A3 section)

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SERVICE BULLETIN REPORTING SHEET

TITLE : AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION - ADD RESISTOR ON AEVC
INLET SKIN AIR VALVE CONTROL LINE.

MODIFICATION No. : 30934P6961

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:
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Operator comments:
.
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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,
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Either: Advance Data YES/NO

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Important Information: This SB will only be incorporated in your maintenance and
operational documentation if this sheet is returned to Airbus Industrie and
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Planning	Material	Instructions
X Effectivity	X Kit content	X Preparation
X Reason	X List of Materials	X Mod/Inspection
X Manpower	Operator Supplied	X Test
X References	X Re-identification	X Close-Up
X Publication	X Tooling	X Illustrations

Comments :

Operator :

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Line	E N D 1				L E A D						E N D 2				Instructions	
	Zone or Panel	Elec.Ident.	Term	Terminal P/N	Wire Ident.	Co	Rte	Gauge	Length		Zone or Panel	Elec.Ident.	Term	Terminal P/N		
									mm	Inch						
1	86VU	10HQ-AA	4B	EN3155-016M2018	2126-0318		1M	CF24			128	60VC	22		M1O	FIG3
2	86VU	33HQ1	A		2126-0318		1M	CF24			128	60VC	22		M1N	(1) FIG3
3																
4																
5																
6	86VU	10HQ-AA	4B	E0170FA2200	2126-0451		1M	CF24	2500	100	86VU	33HQ2	A	EN3155-016M2018	(a) A	FIG3
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
(a) = BUNDLE D9000095214895 M1N = NEW HOOK-UP ON END 1																
A = ADDED WIRE (1) = TERMINAL SUPPLIED IN BUNDLE																
M1O = OLD HOOK-UP ON END 1 D9000095214895																

Figure 4 Sheet 1
Hook-up Chart