

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

MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 34

**TITLE: NAVIGATION - GENERAL - REPLACE AOA PROBE CONIC PLATE BY
AOA PROBE FLAT PLATE**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	203295S32646				
MINOR	None				

NOTE: As per EASA IR 21, a minor change is one that has no appreciable effect on the mass, balance, structural strength, reliability, operational characteristics affecting the airworthiness of the product. All other changes are major changes.

REASON/DESCRIPTION/OPERATIONAL CONSEQUENCES

Following a recent in-service event, as a precautionary measure, Airbus requires to suspend the installation of the AOA (Angle Of Attack) conic plates as per Operator Information Transmission (OIT) No. 999.0086/12, currently performed through an Airbus monitored campaign with Service Bulletin No. A330-34-3255.

This modification requires the removal of the conic plates PN F3411060200000 and PN F3411060900000, and the installation of flat plates PN F3411007920200 (LH) / PN F3411007920300 (RH).

Also, it requires to change the 3 AOA Sensor Protection Covers (FINs 7955ME, 7956ME and 7957ME) stored in Flight Kit No 2 (FIN 7500NW).

Refer to OIT No. 999.0086/12 and FOT No. 999.0089/12 for further explanations.

For aircraft already fitted with the AOA conic plates through retrofit or from production, Airbus released associated operational recommendations in an FOT No. 999.0089/12, the Operations Engineering Bulletin (OEB) 45 and Flight Manual (FM) Temporary Revision 293.

This Service Bulletin modifies the Ground System Equipment (the AOA Protection Covers) needed for parking, mooring or storing the aircraft.

SERVICE BULLETIN SUMMARY

Accomplishment of this Service Bulletin cancels OEB 45 and FM TR293. It is expected that an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA) will be issued to confirm this cancellation.

The operational consequence of this Service Bulletin is the modification of the Flight Manual (FM) and Flight Crew Operating Manual (FCOM) by removing temporary operational measures introduced by OEB 45, FOT No. 999.0089/12 and FM TR293.

GENERAL EVALUATION

EVALUATION TABLE			
COMPLIANCE	MANDATORY (1)	CANCELS INSPECTION SB	NO
POTENTIAL AD	YES	A/C OPERATION AFFECTED	YES
RELIABILITY AFFECTED	NO	PAX COMFORT AFFECTED	NO
COST SAVING	NO	ETOPS AFFECTED	NO
STRUCTURAL LIFE EXTN	NO	VENDOR SB INVOLVED	NO

NOTE (1): Service Bulletin must be accomplished.

MATERIAL PRICE INFORMATION

MATERIAL PRICE INFORMATION TABLE			
MATERIAL SET	QTY PER A/C	PRICE PER A/C (USD)	MAIN PARTS
Component COMPA01	1	See SB	Flat Plates, Covers
Component COMPA02	1	See SB	Screws

EFFECTIVITY

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

11S	38W	46W	62S	AAR	AAW	ACA	ACI	AEA	AFL	AFR	ALK	ARA
ASY	AVA	AZA	BEC	BEL	BER	BMA	BTB	CAL	CCA	CES	CHH	CPA
CRK	CRL	CSC	CSN	DAH	DAL	DGA	DLH	EDW	EIN	ETD	EVA	FIN
FST	FWI	GFA	GIA	GRL	HAL	HDA	HFY	HVN	I2L	IAC	IAW	ISS
IWD	IYE	JAI	JAV	JST	KAL	KFR	KLM	MAS	MAU	MEA	MNB	MON
MSR	OBS	OHY	OMA	PAL	QAF	QFA	QTR	RJA	RSF	RSY	RYN	SAA
SAI	SAS	SIA	SVA	SWR	TAI	TAM	TAP	TCX	THA	THY	TNA	TSC
UAE	UAF	USA	VIR	VKG	VLK	VOZ	XAX	XLF	YZR			

CONCURRENT REQUIREMENTS

None

REFERENCES / REPERCUSSIONS

TFU	None
OEB	45
AOT	None
SIL	None
LINE MAINTENANCE AFFECTED	No
LIFE LIMIT	None

SERVICE BULLETIN
SUMMARY

OTHER	OIT No. 999.0086/12
OTHER	FOT No. 999.0089/12

NATURE OF THE WORK

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

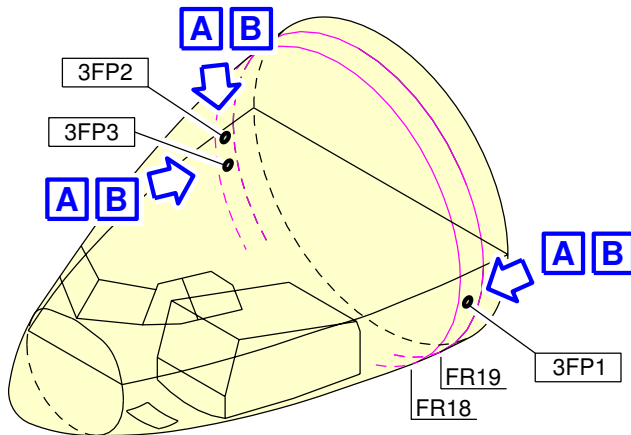
MANPOWER

Task 343293-831-801-001: Modification of the AOA sensor plates	
TOTAL MANHOURS	6.25
ELAPSED TIME (HOURS)	4.25

APPENDICES

APPENDIX 01: Elapsed Time Assumption

****CONF ALL**



BEFORE



THALES

OR



GOODRICH

A

NOTE:

TYPICAL ILLUSTRATION ASSOCIATED WITH THALES OR GOODRICH AOA SENSORS.

G_SB_343293_5_SAAA_01_01

Figure A-FSAAA - Sheet 01

****CONF ALL****AFTER****C****NOTE:**

ONLY ONE CONFIGURATION SHOWN, AOA SENSOR
DEPENDS ON AIRCRAFT CONFIGURATION.

TYPICAL ILLUSTRATION ASSOCIATED WITH THALES OR GOODRICH AOA SENSORS.

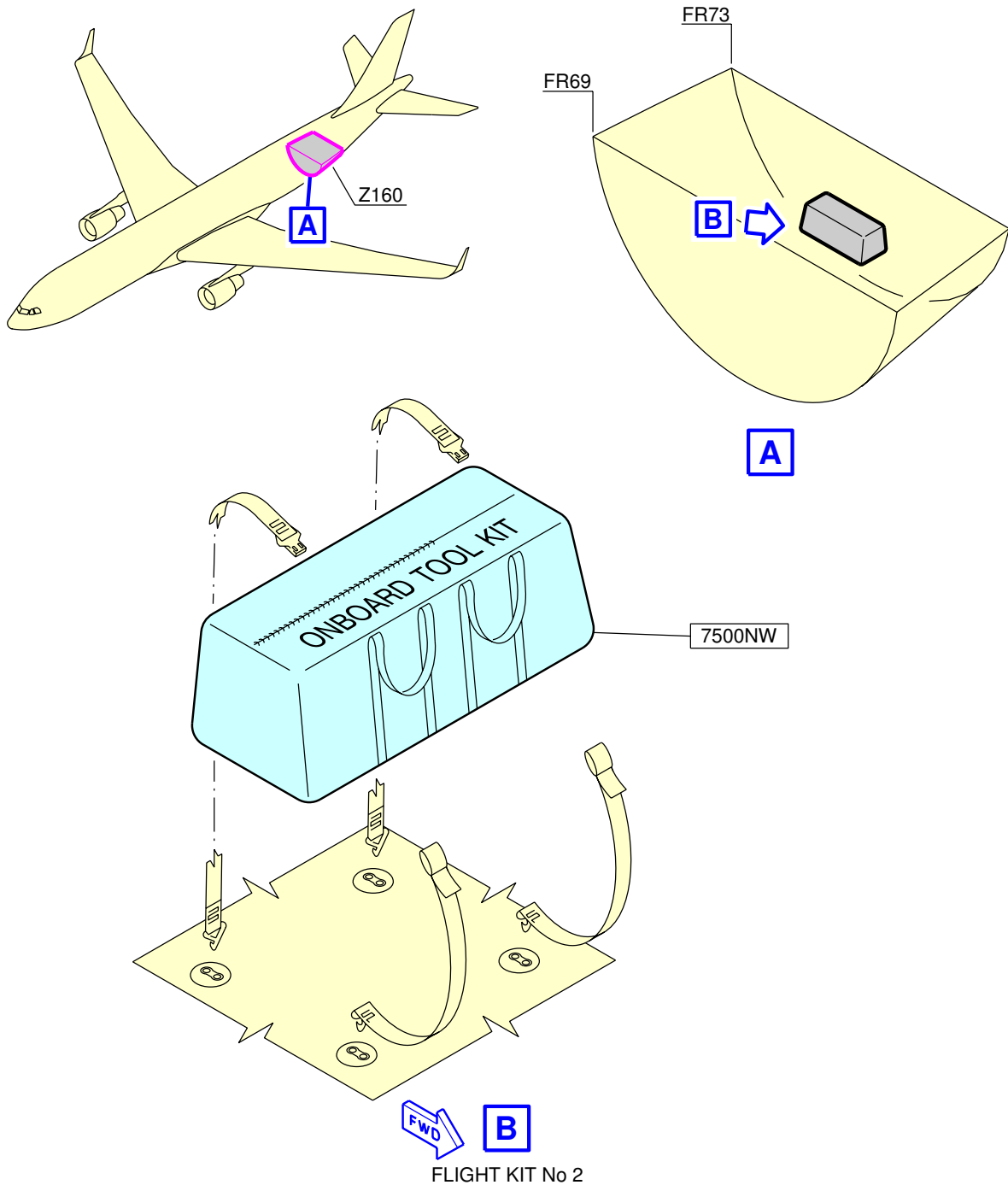
CAUTION:

NEW AOA FLAT PLATES SHALL NOT BE PAINTED AND SHALL REMAIN AS DELIVERED.

G_SB_343293_5_SAAA_02_01

Figure A-FSAAA - Sheet 02

****CONF ALL**



NOTE:

AOA PROTECTION COVERS FINs (7955ME, 7956ME AND 7957ME)
ARE STORED IN FLIGHT KIT No 2 FIN (7500NW)

G_SB_343293_5_SBAA_01_01

Figure A-FSBAA - Sheet 01

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MANDATORY MANDATORY MANDATORY

ATA SYSTEM: 34

TITLE: NAVIGATION - GENERAL - REPLACE AOA PROBE CONIC PLATE BY AOA PROBE FLAT PLATE

MODIFICATION No.: 203295S32646

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

NOTE: This modification is applicable by Service Bulletin only.

NOTE: This Service Bulletin is only applicable to aircraft listed below on which Mod. No. 201609S31691 (INSTALL A NEW CONIC PLATE FOR NEW AOA (ANGLE OF ATTACK SENSOR) THALES) or Mod. No. 201610S31887 (INSTALL A NEW CONIC PLATE FOR AOA (ANGLE OF ATTACK SENSOR) GOODRICH AND OLD AOA THALES) are embodied or on which Service Bulletin No. A330-34-3255 is accomplished.

(1) Models

330-202	330-203	330-223	330-223F	330-243	330-243F	330-301	330-302
330-303	330-321	330-322	330-323	330-341	330-342	330-343	

(2) Effectivity by MSN

0012 0017 0030 0037 0045 0050 0054-0055 0060 0062 0064-0067 0069-0073 0077
0082-0083 0086-0087 0095-0096 0098-0100 0102 0106-0107 0109-0113 0116
0118-0122 0127 0132 0138 0140 0143-0144 0148 0153 0155 0162 0165 0171-0172
0177 0181 0183-0184 0188-0189 0191 0195 0198 0200 0203 0205-0206 0209 0211
0219 0222-0224 0226 0229-0232 0234 0238 0240-0241 0244 0247-0251 0253-0256

5 DATE: Jan 31/13

SERVICE BULLETIN No.: A330-34-3293

REVISION No.: 00 - Jan 31/13

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0258-0259 0261-0262 0265-0267 0269 0271-0272 0275-0277 0279 0281 0283-0288
0290-0291 0293-0296 0299-0301 0303 0305-0306 0308-0309 0311-0317 0320
0322-0324 0326 0328 0330 0333-0334 0337-0340 0342-0346 0348-0351 0353
0356-0358 0361-0362 0364-0366 0368-0370 0372 0375 0380 0382 0384 0386
0388-0389 0392-0393 0396-0398 0400-0401 0403-0405 0407-0409 0412 0418-0423
0425 0427-0428 0432 0437 0439 0441 0443-0444 0448 0451-0452 0454-0456 0458
0461-0463 0465-0466 0469 0472-0473 0476-0477 0479-0481 0484 0486-0487
0489-0491 0493-0494 0496-0498 0500-0513 0515-0516 0518-0519 0521-0522
0524-0527 0529-0530 0532-0533 0535-0536 0539 0542 0548-0553 0555 0558
0564-0565 0567-0568 0570-0571 0573-0574 0576 0578-0579 0581 0584 0587-0588
0591 0593 0595 0597 0600 0602-0603 0605 0607 0609-0610 0612 0614 0616 0618
0620-0621 0623 0625 0627 0629 0631-0638 0640-0642 0644-0645 0647-0650
0652-0659 0661-0667 0669-0671 0673-0676 0678-0680 0682-0684 0686-0688
0690-0693 0695-0697 0699-0701 0703-0705 0707-0709 0711-0714 0716-0718
0720-0722 0724-0726 0728-0730 0732-0735 0737-0739 0741-0743 0745-0747
0749-0752 0754-0756 0758-0760 0769-0770 0772-0774 0776-0778 0780-0782
0784-0786 0788-0789 0791-0792 0795-0797 0799 0801-0803 0805-0807 0809-0811
0813-0815 0817-0828 0830-0834 0836 0838-0843 0845 0847 0849-0855 0857-0863
0865-0869 0871 0873-0877 0879 0881-0885 0887-0893 0895-0896 0898-0901
0903-0909 0911 0913-0916 0918-0920 0922-0923 0926-0928 0930-0932 0934-0937
0939-0952 0954 0956-0959 0961-0971 0973-0980 0982-0986 0988-0992 0994-1004
1006-1016 1018-1023 1025-1026 1028-1029 1031-1039 1041-1049 1051-1055
1057-1063 1065-1067 1069-1078 1080-1082 1084-1090 1092-1101 1103-1108 1110
1112 1114-1116 1118 1120 1123-1124 1126-1127 1129-1133 1135-1138 1141 1143
1145-1151 1153 1155-1157 1159-1161 1163-1165 1167-1175 1177-1178 1180-1181
1183-1184 1186-1193 1195-1196 1198-1206 1208-1241 1243-1252 1254-1256
1258-1272 1274-1349 1352-1360 1362-1365

(3) 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
11S	1053
38W	0401
46W	0871
62S	1321
AAR	0640 0676 0708 0772 0803 0845 1001 1055 1151 1211 1326 1340
AAW	0999 1043
ACA	0277 0279 0284 0344 0400 0408 0412 0419
ACI	0507 0510
AEA	0505 0526 0551 0597 0733 0745 0749 0814 0931 0950
AFL	0963 0973 1014 1045 1047 1058 1065 1072 1077 1103 1232 1247 1264 1270 1284 1299 1301 1323 1328 1345 1356
AFR	0422 0443 0448 0458 0465 0481 0498 0500 0502 0503 0516 0519 0567 0584 0657
ALK	0303 0306 0311 0313 0404 0456 0627
ARA	0891 0927

OPERATOR	MSN
ASY	0747 0951 0969 1036 1183
AVA	0948 0967 1009 1016 1073 1208 1224 1342
AZA	0272 0339 1123 1135 1218 1225 1252 1283 1308 1313 1327 1354
BEC	0863
BEL	0030 0037 0045 0082 0095 0229 0249
BER	0120 0127 0288 0322 0403 0432 0444 0454 0469 0476 0493 0665 0739 0828 0911
BMA	0398
BTV	0205 0330
CAL	0602 0607 0641 0671 0675 0691 0699 0707 0714 0725 0752 0769 0805 0823 0838 0861 0920 1177 1272 1278 1346
CCA	0750 0756 0759 0780 0785 0797 0810 0815 0839 0860 0867 0873 0884 0890 0903 0909 0930 0941 0944 0957 1087 1110 1130 1187 1199 1216 1237 1260 1282 1304 1330 1333 1353
CES	0713 0720 0728 0732 0735 0773 0777 0781 0782 0791 0821 0830 0836 0851 0862 0866 0916 0928 0936 0942 1262 1267 1280 1291 1303 1324 1331
CHH	0875 0881 0906 0919 0982 1159 1168 1178 1190 1255 1325
CPA	0012 0017 0102 0113 0118 0121 0155 0386 0389 0393 0418 0420 0421 0423 0439 0539 0548 0565 0669 0673 0679 0776 0850 0855 0895 0915 0959 1163 1196 1222 1239 1285 1317 1343 1349 1362
CRK	1031 1034 1039 1042 1051 1054 1059 1062 1115 1277 1286 1320 1322 1358
CRL	0285 0320 1359
CSC	0462 1082 1138 1241
CSN	0649 0652 0656 0664 0818 0840 0879 0889 0908 0935 0937 0954 0958 0964 1096 1116 1129 1202 1220 1233 1244 1297 1309 1335
DAH	0644 0647 0650 0653 0667
DAL	0524 0533 0542 0549 0552 0578 0588 0591 0609 0614 0618 0620 0621 0631 0633 0663 0674 0690 0718 0722 0778 0784 0796 0799 0806 0817 0827 0843 0857 0858 0859 0865
DGA	0240
DLH	0570 0576 0579 0629 0636 0642 0645 0648 0687 0701 0896 0905 0913 0922 0989 1292 1305 1314
EDW	0291 1193
EIN	0269 0397 0841 0847 0985 1025 1106
ETD	0658 0688 0717 0724 0729 0730 0737 0751 0788 0807 0809 0824 0832 0852 0854 0868 0975 0991 1032 1070 1071 1081 1167 1205 1226 1245
EVA	0530 0535 0555 0573 0587 0634 0655 0661 0678 0693 0755 1254 1268 1274
FIN	0994 1007 1013 1023 1067 1078 1088 1173
FST	1033 1046 1248 1275 1312 1334 1363
FWI	0253 0758 0965 1021 1265
GFA	0276 0281 0286 0287 0334 0340 0527 0529 0532 0992
GIA	0138 0140 0144 0148 0153 0165 0988 1020 1028 1052 1184 1214 1261 1288 1364
GRL	0230

SERVICE BULLETIN

OPERATOR	MSN
HAL	1104 1114 1171 1217 1259 1295 1302 1310 1316
HDA	0071 0083 0099 0106 0109 0234 0244 0405 0479 0512 0581 0654 0662 0692 0716 0741 0786
HFY	0096 0211 0262 1008
HVN	0275 0294 0299 0366 0943 0962 1019 1256 1266
I2L	0358 0364 0822
IAC	0353 0362
IAW	1339
ISS	0802
IWD	0461 0670 1097
IYE	0625 0632
JAI	0825 0831 0882 0885 0888 0901 0923 0932 0947 0956
JAV	0255
JST	0506 0508 0513 0522 0842 0853 0940 0945 1198 1251 1258
KAL	0162 0172 0206 0219 0222 0226 0241 0256 0258 0267 0338 0350 0351 0368 0425 0428 0484 0490 0550 1133 1155 1200 1203
KFR	0874 0939 0946
KLM	0682 0686 0703 0738 0770 0801 0811 0819 0834 0900 1161 1287 1294 1300
MAS	0067 0069 0073 0077 0100 0107 0110 0116 0119 0290 0296 0300 1136 1148 1164 1180 1209 1219 1229 1234 1243 1281 1318 1336 1337 1347
MAU	0883 1057
MEA	0926 0984 0995 0998
MNB	1332
MON	0261 0265
MSR	0600 0610 0666 0683 0696 0709 0726 1143 1230 1238 1246
OBS	0833
OHY	0072 0087 0098 0143
OMA	1038 1044 1049 1063 1093 1120 1227
PAL	0183 0184 0188 0189 0191 0198 0200 0203
QAF	0487 0605
QFA	0553 0558 0564 0574 0593 0595 0603 0695 0705 0712 0887 0892 0898 0976 1061 1094 1169 1174 1365
QTR	0441 0473 0489 0511 0521 0571 0612 0616 0623 0637 0638 0659 0680 0684 0711 0721 0734 0743 0746 0760 0789 0792 0813 0820 0826 0849 0893 0907 0918
RJA	0970 0979 1002
RSF	0980 0996 1235
RSY	0171
RYN	0343
SAA	1191 1210 1223 1236 1249 1271
SAI	0055 0070
SAS	0496 0497 0515 0568
SIA	0978 0983 0986 0997 1006 1010 1012 1015 1085 1098 1099 1105 1107 1124 1132 1146 1149 1156 1157
SVA	1108 1127 1137 1141 1147 1153 1189 1192

SERVICE BULLETIN

OPERATOR	MSN
SWR	0324 1000 1018 1026 1029 1084 1089 1101 1145 1181 1188 1276 1290 1355
TAI	1279
TAM	0232 0238 0247 0259 0361 0466 0472 0477 0486 0700 0869 0876 0949 0961 0968 0977 1112 1118 1213 1221
TAP	0181 0195 0223 0305 0308 0312 0317 0877 0899 0904 0914 0934
TCX	0254 0266 0301
THA	0050 0060 0062 0064 0065 0066 0112 0122 0209 0224 0231 0346 0990 1003 1035 1037 1060 1074 1086 1090 1263 1269 1289 1338 1348
THY	0463 0504 0697 0704 0742 0754 0774 1004 1092 1150 1160 1170 1172 1204 1212 1228 1240 1298 1307 1311 1344
TNA	1357
TSC	0111 0132 0177 0250 0271 0369 0407 0427 0480 0795 0966 0971
UAE	0248 0251 0283 0293 0295 0314 0316 0326 0328 0345 0348 0382 0384 0392 0396 0409 0437 0451 0452 0455 0491 0494 0509 0518 0525 0536
UAF	1080 1186 1250
USA	0315 0323 0333 0337 0342 0370 0375 0380 0388 1011 1022 1041 1069 1076 1095 1100
VIR	1195 1201 1206 1215 1231 1296 1315 1329 1341 1352
VKG	0309 0349 0356 0357
VLK	0086
VOZ	0365 0372 1293 1306 1319
XAX	0054 0952 0974 1048 1066 1075 1126 1131 1165
XLF	0501 0635 1360
YZR	1175

(4) Configuration by MSN

MSN	CONFIGURATION
0012 0017 0030 0037 0045 0050 0054 0055 0060 0062 0064 0065 0066 0067 0069 0070 0071 0072 0073 0077 0082 0083 0086 0087 0095 0096 0098 0099 0100 0102 0106 0107 0109 0110 0111 0112 0113 0116 0118 0119 0120 0121 0122 0127 0132 0138 0140 0143 0144 0148 0153 0155 0162 0165 0171 0172 0177 0181 0183 0184 0188 0189 0191 0195 0198 0200 0203 0205 0206 0209 0211 0219 0222 0223 0224 0226 0229 0230 0231 0232 0234 0238 0240 0241 0244 0247 0248 0249 0250 0251 0253 0254 0255 0256 0258 0259 0261 0262 0265 0266 0267 0269 0271 0272 0275 0276 0277 0279 0281 0283 0284 0285 0286 0287 0288 0290 0291 0293 0294 0295 0296 0299 0300 0301 0303 0305 0306 0308 0309 0311 0312 0313 0314 0315 0316 0317 0320 0322 0323 0324 0326 0328 0330 0333 0334 0337 0338 0339 0340 0342 0343 0344 0345 0346 0348 0349 0350 0351 0353 0356 0357 0358 0361 0362 0364 0365 0366 0368 0369 0370 0372 0375 0380 0382 0384 0386 0388 0389 0392 0393 0396 0397 0398 0400 0401 0403 0404 0405 0407 0408 0409 0412 0418 0419 0420 0421 0422 0423 0425 0427 0428 0432 0437 0439 0441 0443 0444 0448 0451 0452 0454 0455 0456 0458 0461 0462 0463 0465 0466 0469 0472 0473 0476 0477 0479 0480 0481 0484 0486 0487 0489 0490 0491 0493 0494 0496 0497 0498 0500 0501 0502 0503 0504 0505 0506 0507 0508 0509 0510 0511 0512 0513 0515 0516 0518 0519 0521 0522 0524 0525 0526 0527 0529 0530 0532 0533 0535 0536 0539 0542 0548 0549 0550 0551 0552 0553 0555 0558 0564 0565 0567 0568 0570 0571 0573 0574 0576 0578 0579 0581 0584 0587 0588 0591 0593 0595 0597 0600 0602 0603 0605 0607 0609 0610 0612 0614 0616 0618 0620 0621 0623 0625 0627 0629 0631 0632 0633 0634 0635 0636 0637 0638 0640 0641 0642 0644 0645 0647 0648 0649 0650 0652 0653 0654 0655 0656 0657 0658 0659 0661 0662 0663 0664 0665 0666 0667 0669 0670 0671 0673 0674 0675 0676 0678 0679 0680 0682 0683 0684 0686 0687 0688 0690 0691 0692 0693 0695 0696 0697 0699 0700 0701 0703 0704 0705 0707 0708 0709 0711 0712 0713 0714 0716 0717 0718 0720 0721 0722 0724 0725 0726 0728 0729 0730 0732 0733 0734 0735 0737 0738 0739 0741 0742 0743 0745 0746 0747 0749 0750 0751 0752 0754 0755 0756 0758 0759 0760 0769 0770 0772 0773 0774 0776 0777 0778 0780 0781 0782 0784 0785 0786 0788 0789 0791 0792 0795 0796 0797 0799 0801 0802 0803 0805 0806 0807 0809 0810 0811 0813 0814 0815 0817 0818 0819 0820 0821 0822 0823 0824 0825 0826 0827 0828 0830 0831 0832 0833 0834 0836 0838 0839 0840 0841 0842 0843 0845 0847 0849 0850 0851 0852 0853 0854 0855 0857 0858 0859 0860 0861 0862 0863 0865 0866 0867 0868 0869 0871 0873 0874 0875 0876 0877 0879 0881 0882 0883 0884 0885 0887 0888 0889 0890 0891 0892 0893 0895 0896 0898 0899 0900 0901 0903 0904 0905 0906 0907 0908 0909 0911 0913 0914 0915 0916 0918 0919 0920 0922 0923 0926	001

MSN	CONFIGURATION
0927 0928 0930 0931 0932 0934 0935 0936 0937 0939 0940 0941 0942 0943 0944 0945 0946 0947 0948 0949 0950 0951 0952 0954 0956 0957 0958 0959 0961 0962 0963 0964 0965 0966 0967 0968 0969 0970 0971 0973 0974 0975 0976 0977 0978 0979 0980 0982 0983 0984 0985 0986 0988 0989 0990 0991 0992 0994 0995 0996 0997 0998 0999 1000 1001 1002 1003 1004 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1018 1019 1020 1021 1022 1023 1025 1026 1028 1029 1031 1032 1033 1034 1035 1036 1037 1038 1039 1041 1042 1043 1044 1045 1046 1047 1048 1049 1051 1052 1053 1054 1055 1057 1058 1059 1060 1061 1062 1063 1065 1066 1067 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1080 1081 1082 1084 1085 1086 1087 1088 1089 1090 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1103 1104 1105 1106 1107 1108 1110 1112 1114 1115 1116 1118 1120 1123 1124 1126 1127 1129 1130 1131 1132 1133 1135 1136 1137 1138 1141 1143 1145 1146 1147 1148 1149 1150 1151 1153 1155 1156 1157 1159 1160 1161 1163 1164 1165 1167 1168 1169 1170 1171 1172 1173 1174 1175 1177 1178 1180 1181 1183 1184 1186 1187 1188 1189 1190 1191 1192 1193 1195 1196 1198 1199 1200 1201 1202 1203 1204 1205 1206 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1254 1255 1256 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1352 1353 1354 1355 1356 1357 1358 1359 1360 1362 1363 1364 1365	001

(5) Configuration definition

****CONF 001**

Config. 001 is valid for all the aircraft given in the effectivity of this Service Bulletin as a standard configuration.

(6) Material Effectivity

MATERIAL	QTY PER A/C	SEE NOTES
Consumable CMLA01	1	
Component COMPA01	1	
Component COMPA02	1	

B. CONCURRENT REQUIREMENTS

None

C. REASON**(1) History**

Following a recent in-service event, as a precautionary measure, Airbus requires to suspend the installation of the AOA (Angle Of Attack) conic plates as per Operator Information Transmission (OIT) No. 999.0086/12, currently performed through an Airbus monitored campaign with Service Bulletin No. A330-34-3255.

(2) Objective/Action

This modification requires the removal of the conic plates PN F3411060200000 and PN F3411060900000, and the installation of flat plates PN F3411007920200 (LH) / PN F3411007920300 (RH).

Also, it requires to change the 3 AOA Sensor Protection Covers (FINs 7955ME, 7956ME and 7957ME) stored in Flight Kit No 2 (FIN 7500NW).

(3) Advantages

Refer to OIT No. 999.0086/12 and FOT No. 999.0089/12 for further explanations.

(4) Operational/Maintenance Consequences

For aircraft already fitted with the AOA conic plates through retrofit or from production, Airbus released associated operational recommendations in an FOT No. 999.0089/12, the Operations Engineering Bulletin (OEB) 45 and Flight Manual (FM) Temporary Revision 293.

This Service Bulletin modifies the Ground System Equipment (the AOA Protection Covers) needed for parking, mooring or storing the aircraft.

Accomplishment of this Service Bulletin cancels OEB 45 and FM TR293. It is expected that an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA) will be issued to confirm this cancellation.

The operational consequence of this Service Bulletin is the modification of the Flight Manual (FM) and Flight Crew Operating Manual (FCOM) by removing temporary operational measures introduced by OEB 45, FOT No. 999.0089/12 and FM TR293.

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 343293-831-801-001: Modification of the AOA sensor plates

(1) Replace the Conic Plate of the AOA Sensor FIN 3FP1, on the LH Side

(2) Replace the Conic Plates of the AOA Sensors FINs 3FP2 and 3FP3, on the RH side

(3) Replace the AOA protection Covers in the Flight Kit No 2 (FIN 7500NW)

E. COMPLIANCE

(1) Classification

MANDATORY: Service Bulletin must be accomplished.

(2) Accomplishment Timescale

Accomplishment of this Service Bulletin must be done at the earliest opportunity where manpower and facilities are available but within 5 months from the initial Service Bulletin date.

This Service Bulletin has been classified Mandatory. It is expected that an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA) will be issued to confirm this classification. It is anticipated that the AD will confirm the threshold given above but reference should be made to the AD for confirmation of the mandated accomplishment timescale.

F. APPROVAL

The technical content of this document is approved under the authority of Design Organisation Approval No. EASA.21J.031.

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.

Task 343293-831-801-001: Modification of the AOA sensor plates	
Get Access	0.50
On Aircraft	
Replace the Conic Plate of the AOA Sensor FIN 3FP1, on the LH Side	1.50
Replace the Conic Plates of the AOA Sensors FINs 3FP2 and 3FP3, on the RH side	3.00
Replace the AOA protection Covers in the Flight Kit No 2 (FIN 7500NW)	0.50
Tests	0.25
Close-Up	0.50
TOTAL MANHOURS	6.25
ELAPSED TIME (HOURS)	4.25

NOTE: For detail concerning the elapsed time assumption, refer to APPENDIX 01: Elapsed Time Assumption .

H. WEIGHT AND BALANCE

The weight and balance estimates given in this Service Bulletin are based on the Manufacturer's Empty Weight (MEW) and do not include operator item's. For the definition of MEW and operator's items refer to Weight and Balance Manual (WBM) Chapter 1-00-07.

Manufacturers Empty Weight	-0.549 KG	(-1.2103 LB)
Effect on Balance	-7.502 KGM	(-54.262 LB.FT)

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	06-20-00 12-34-24 52-30-00	06-31-53 20-21-11 52-41-00	06-41-53 20-28-00
Consumable Material List (CML)			
ATA Common Support Data Dictionary (CSDD), Chapter 2			
Elec. Std. Practices Manual (ESPM)	20-51-20	20-55-00	
Flight Crew Operating Manual (FCOM)			
Flight Manual (FM)			
Standards Manual (SM)			
Structural Repair Manual (SRM)	51-24-00	51-42-00	51-43-00
Weight and Balance Manual (WBM)	Weight and Balance Manual (WBM) Chapter 1-00-07		

K. PUBLICATION AFFECTED

Aircraft Maintenance Manual (AMM)	10-11-00	12-21-11	34-11-19
Aircraft Wiring List (AWL)			
Flight Crew Operating Manual (FCOM)			
Flight Manual (FM)			
Illustrated Parts Catalog (IPC)	25-73-04	34-11-01	
Tool Equipment Manual (TEM)	10-11-00		

This Service Bulletin has an operational impact. Please inform AIRBUS, at least four weeks in advance, in case you need your operational documentation to be amended by a revision prior to Service Bulletin embodiment. For this purpose, please request the revision by e-mail, on-line through the SB Reporting service or alternatively by fax to:

SEDOR4, AIRBUS
Customer Services Technical Data
Fax No.: (33) 5 61 93 28 06
E-mail: sb.reporting@airbus.com

SB Reporting service is accessible on-line through AIRBUSWorld from:

- 'My on-line services' section, available on all AIRBUSWorld pages
- The Maintenance & Engineering Community, in:
 - . Modify and Upgrade page - Access SB and VSB section.

These amendments will be confirmed by the next normal revision of operational documentation, once your Service Bulletin accomplishment report has been sent, as usual, to our Customer Services Aircraft In-Service Data (SEDOR4).

L. INTERCHANGEABILITY/MIXABILITY

DESCRIPTION	OLD PART N°	NEW PART N°	INT	MIXABILITY	SEE NOTES
Plate	F3411060200000	F3411007920200	01	NO	
Plate	F3411060900000	F3411007920200	01	NO	
Plate	F3411060200000	F3411007920300	01	NO	
Plate	F3411060900000	F3411007920300	01	NO	
AOA Sensor Protection	98D34203003000	98F10001000000	01	NO	

NOTE: For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

NOTE: Only the mixability configuration(s) and condition(s) stated in this Service Bulletin are approved.

M. SPARES

AOA Sensor Protection	98D34203003000
Plate	F3411060200000
Plate	F3411060900000



SERVICE BULLETIN

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2. MATERIAL INFORMATION****CONF ALL****A. MATERIAL - PRICE AND AVAILABILITY****(1) Procurement Addresses**

This Service Bulletin is the subject of an AIRBUS monitored retrofit campaign.

Component COMPA01	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 Material, Logistics and Suppliers IFD - In Flight Desk Weg beim Jaeger 150 D-22335 HAMBOURG GERMANY For ordering by internet: http://spares.airbus.com For ordering by fax: +49 40 50 76 4012 For ordering by E-mail: ifd.spares@airbus.com
Component COMPA02	Airbus Material, Logistics and Suppliers do not stock standard hardware as competitive multiple suppliers ensure access to minimum prices Airbus recommends Customers with aircraft shown in the effectivity of this Service Bulletin to send a purchase order to B/E Aerospace. The address is: B/E AEROSPACE INC CONSUMABLES MANAGEMENT 10000 NW 15TH Terrace Miami FL 33172 USA Tel EMEA: +49 (0) 40 822 285 31500 Tel US: +1 305 925 2600 Tel ASIA: +1 310 900 1300 Fax EMEA: +49 (0) 40 822 285 31010 Fax US: +1 305 507 7191 Fax ASIA: +1 310 819 1200 SITA: MIAMMCR E-Mail: AOGdesk_CMG@beaerospace.com internet: www.beconsumables.com or, alternatively any other source on the open market.

(2) Price and Availability

No AIRBUS kit will be provided.

SERVICE BULLETIN

Operator supplied AIRBUS parts required to accomplish this Service Bulletin are to be purchased by a spares purchase order.

Operator supplied standard hardware parts required to accomplish this Service Bulletin are to be supplied from the Operator's stock.

B. INDUSTRY SUPPORT INFORMATION

AIRBUS will share the costs of accomplishment of this Service Bulletin by crediting the operator supplied AIRBUS parts for orders placed before June 30/13. Claims for this allowance should be received not later than 90 days after completion of the last affected aircraft of your fleet.

For the accomplishment of this Service Bulletin before June 30/13, AIRBUS will credit the manhours indicated in this Service Bulletin at the agreed in-house warranty labor rate for claims received not later than 90 days after completion of the last affected aircraft of your fleet.

For the organization of this retrofit, you are kindly requested to contact AIRBUS retrofit management department.

AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX
France
E-mail: monitored.retrofit@airbus.com
Tel : (33) 5 67 19 06 22 Fax : (33) 5 61 93 27 45

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED

(1) Consumable Materials

Consumable CMLA01

ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Release Agent	05-013	As required	
	Corrosion Inhibitingfillet Consistency	09-016	As required	
	Fuel Tank Sealant Quick Repair Permanent	09-058	As required	
	Solvent General Purpose	11-026	As required	

(2) Components

Component COMPA01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
2	F3411007920200	1	PLATE	(2)	F3411060200000	01	
				(2)	F3411060900000	01	
2	F3411007920300	2	PLATE	(2)	F3411060200000	01	
				(2)	F3411060900000	01	
	98F10001000000	3	AOAPRTCT		98D34203003000	01	

NOTE: For definitions of interchangeability codes in column INT., refer to ATA Common Support Data Dictionary (CSDD), Chapter 2.

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

Component COMPA02

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	NAS1102-3-14	21	SCREW				

NOTE: 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, refer to Standards Manual (SM). The SM will give you the correct part number to part number relationship.

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

(3) Equipment

None

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

None



SERVICE BULLETIN

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3. ACCOMPLISHMENT INSTRUCTIONS

Task 343293-831-801-001 - Modification of the AOA sensor plates

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.

Task Associated Data

Zone	
121 122 160	
Modified FIN	
7955ME 7956ME 7957ME 7500NW	
Access	
Door	823
Other access	Access platform
Manpower	
TOTAL MANHOURS	6.25
ELAPSED TIME (HOURS)	4.25

A. GENERAL

(1) Subtask 343293-910-001-001 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001 06-31-53, Page Block 001 Task 20-21-11-911-801 Task 20-28-00-912-804 Task 20-28-00-912-805

References	
Consumable Material List (CML)	
Elec. Std. Practices Manual (ESPM)	20-51-20
Structural Repair Manual (SRM)	51-24-00 51-42-00 51-43-00

- (a) For the specification of the materials (Mat. No.) given in this Service Bulletin, refer to Consumable Material List (CML).
- (b) For the Frame (FR) identification, refer to AMM 06-31-53, Page Block 001.
- (c) For the identification of zones, refer to AMM 06-20-00, Page Block 001.
- (d) To torque tighten the standard threaded fasteners, refer to AMM Task 20-21-11-911-801.
- (e) Remove and install of fasteners in accordance with SRM 51-42-00.
- (f) Obtain alternative and substitute fastener data in accordance with SRM 51-43-00.
- (g) If the length of any fastener specified in this Service Bulletin does not meet installation standards given in SRM Chapter 51, then a fastener of the same specification, or an approved substitute, with a length which meets the installation standards given in SRM Chapter 51 may be used. In addition, washers may be installed for fastener grip length in accordance with SRM Chapter 51.
- (h) Do the electrical bonding, refer to ESPM 20-51-20 and AMM Task 20-28-00-912-804 or AMM Task 20-28-00-912-805.
- (i) Apply sealant in accordance with SRM 51-24-00.

(2) Subtask 343293-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

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

B. PREPARATION

(1) Subtask 343293-941-001-001 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 12-34-24-860-802 Task 52-30-00-010-803 52-41-00, Page Block 001

- (a) Make sure that the aircraft is electrically grounded, refer to AMM Task 12-34-24-860-802.
- (b) Put the access platforms in position at the Bulk cargo-compartment door 823 and at avionics compartment door 811 and at zone 121 to get access to the AOA sensor FIN 3FP1 and at zone 122 to get access to the AOA sensors FINs 3FP2 and 3FP3.
- (c) Open the Bulk cargo-compartment door 823, refer to AMM Task 52-30-00-010-803.
- (d) Open the avionics compartment door 811, refer to AMM 52-41-00, Page Block 001 and refer to AMM 06-41-53, Page Block 001.
- (e) Safety precaution
 - 1 On the panel 225VU:
 - a Make sure that the PROBE/WINDOW HEAT pushbutton switch is released (the ON legend is OFF).

C. PROCEDURE

(1) Subtask 343293-831-001-001 - Replace the Conic Plate of the AOA Sensor FIN 3FP1, on the LH Side

Work Zones and Access Panels			
	Zone	Access/Work location	
	121	Access	Other access Access platform

Manpower Resources	
Manhours	1.50
Minimum number of person	1
Subtask elapsed time	1.50
Skills	NON SPECIFIC

Material necessary to do the job

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
2	F3411007920200	1	PLATE	

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

Component COMPA02				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1102-3-14	7	SCREW	

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Solvent General Purpose	11-026	As required	

References	
Structural Repair Manual (SRM)	51-42-00 51-43-00
Fig. A-FBAAA Modification of the Plates	Sheet 01 Sheet 02

NOTE: The screw item (3) must not be removed to keep the AOA sensor in position and to avoid removing it.

- (a) Replace the conic plate by the flat plate of the AOA sensor FIN 3FP1, on the LH side:

NOTE: Make sure that the previous plate installed on the aircraft is a conic plate. Refer to aircraft maintenance records.

In accordance with SRM 51-42-00 and SRM 51-43-00.

- 1 Use a non-metallic spatula to remove the sealant and clean the areas with:

Solvent General 11-026 As required
Purpose

- 2 Remove the conic plate:

Refer to [Fig. A-FBAAA Sheet 01](#)

1 Plate F3411060200000 Item (2) Discard
or

1 Plate F3411060900000 Item (2) Discard
attached with:

7 Screw Item (1) Discard

- 3 Use a non-metallic spatula to remove the sealant and clean the areas with:

Solvent General 11-026 As required
Purpose

- 4 Install the flat plate:

CAUTION: NEW AOA FLAT PLATES SHALL NOT BE PAINTED AND SHALL REMAIN AS DELIVERED

NOTE: The attaching holes of the flat plates are delivered stripped from protection at level of the surface of the bonding areas.

Refer to [Fig. A-FBAAA Sheet 02](#)

1 Plate F3411007920200 Item 2

attached with:

7 Screw NAS1102-3-14 Item 1

(2) Subtask 343293-831-002-001 - Replace the Conic Plates of the AOA Sensors FINs 3FP2 and 3FP3, on the RH side

Work Zones and Access Panels			
	Zone	Access/Work location	
	122	Access	Other access Access platform

Manpower Resources	
Manhours	3.00
Minimum number of person	1
Subtask elapsed time	3.00
Skills	NON SPECIFIC

Material necessary to do the job

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
2	F3411007920300	2	PLATE	

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

Component COMPA02				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
1	NAS1102-3-14	14	SCREW	

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Solvent General Purpose	11-026	As required	

References	
Structural Repair Manual (SRM)	51-42-00 51-43-00
Fig. A-FBAAA Modification of the Plates	Sheet 01 Sheet 02

NOTE: The screw item (3) must not be removed to keep the AOA sensors in

position and to avoid removing them.

- (a) Replace the conic plates by the flat plates of the AOA sensors FINs 3FP2 and 3FP3, on the RH side:

NOTE: Make sure that the previous plate installed on the aircraft is a conic plate. Refer to aircraft maintenance records.

In accordance with SRM 51-42-00 and SRM 51-43-00.

- 1 Use a non-metallic spatula to remove the sealant and clean the areas with:

Solvent General	11-026	As required
Purpose		

- 2 Remove the conic plates:

Refer to [Fig. A-FBAAA Sheet 01](#).

2	Plate	F3411060200000	Item (2)	Discard
	or			

2	Plate	F3411060900000	Item (2)	Discard
	attached with:			

14	Screw		Item (1)	Discard
----	-------	--	----------	---------

- 3 Use a non-metallic spatula to remove the sealant and clean the areas with:

Solvent General	11-026	As required
Purpose		

- 4 Install the flat plates:

CAUTION: NEW AOA FLAT PLATES SHALL NOT BE PAINTED AND SHALL REMAIN AS DELIVERED

NOTE: The attaching holes of the flat plates are delivered stripped from protection at level of the surface of the bonding areas.

Refer to [Fig. A-FBAAA Sheet 02](#).

2	Plate	F3411007920300	Item 2
	attached with:		

14	Screw	NAS1102-3-14	Item 1
----	-------	--------------	--------

(3) Subtask 343293-831-003-001 - Replace the AOA protection Covers in the Flight Kit No 2 (FIN 7500NW)

Work Zones and Access Panels			
	Zone	Access/Work location	
	160	Access	Door 823

Manpower Resources	
Manhours	0.50
Minimum number of person	1
Subtask elapsed time	0.50
Skills	NON SPECIFIC

Material necessary to do the job

Component COMPA01				
ITEM	NEW PART N°	QTY (UM)	KEYWORD	SEE NOTES
	98F10001000000	3	AOAPRTCT	

NOTE: The above list of components is not an AIRBUS Kit, the required parts shall be ordered as necessary through the given channel.

References	
Fig. A-FBBAA Modification of AOA Protection Covers in the Flight Kit No 2	Sheet 01

NOTE: Depending on airline internal policy the Flight Kit No 2 may not be located in the place defined by [Fig. A-FBBAA Sheet 01](#). Refer to airline internal policy for exact location for Flight Kit No 2, and/or its contents.

(a) Remove in the Flight Kit No 2 (FIN 7500NW):

Refer to [Fig. A-FBBAA Sheet 01](#):

FIN 7955ME

1 AOA Sensor Protection 98D34203003000 Discard

FIN 7956ME

1 AOA Sensor Protection 98D34203003000 Discard

FIN 7957ME

1 AOA Sensor Protection 98D34203003000 Discard

(b) Install in the Flight Kit No 2 (FIN 7500NW):

Refer to [Fig. A-FBBAA Sheet 01](#):

FIN 7955ME

1 AOA Sensor Protection 98F10001000000

FIN 7956ME

1 AOA Sensor Protection 98F10001000000

FIN 7957ME

1 AOA Sensor Protection 98F10001000000

D. TEST

(1) Subtask 343293-700-001-001 - Testing

Manpower Resources	
Skills	NON SPECIFIC
References	
Aircraft Maintenance Manual (AMM)	Task 20-28-00-720-805 Task 20-28-00-869-801

(a) Test of electrical bonding at level of the 7 screws item 1:

1 Do a check of the electrical bonding, refer to AMM Task 20-28-00-720-805.

NOTE: For the Maximum Permitted Resistance Values, refer to AMM Task 20-28-00-869-801.

(b) Make sure that the bonding contact resistance between the sensor and the fuselage structure is not higher than 5 milliohms as per AMM Task 20-28-00-720-805.

E. CLOSE-UP

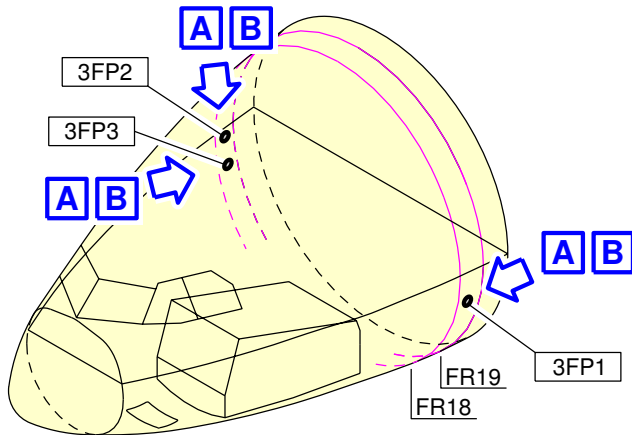
(1) Subtask 343293-942-001-001 - Close-up

Manpower Resources				
Skills			NON SPECIFIC	
Material necessary to do the job				
Consumable CMLA01				
ITEM	DESCRIPTION	REFERENCE TO CML MAT. No.	QTY PER A/C	SEE NOTES
	Release Agent	05-013	As required	
	Corrosion Inhibiting fillet Consistency	09-016	As required	
	Fuel Tank Sealant Quick Repair Permanent	09-058	As required	

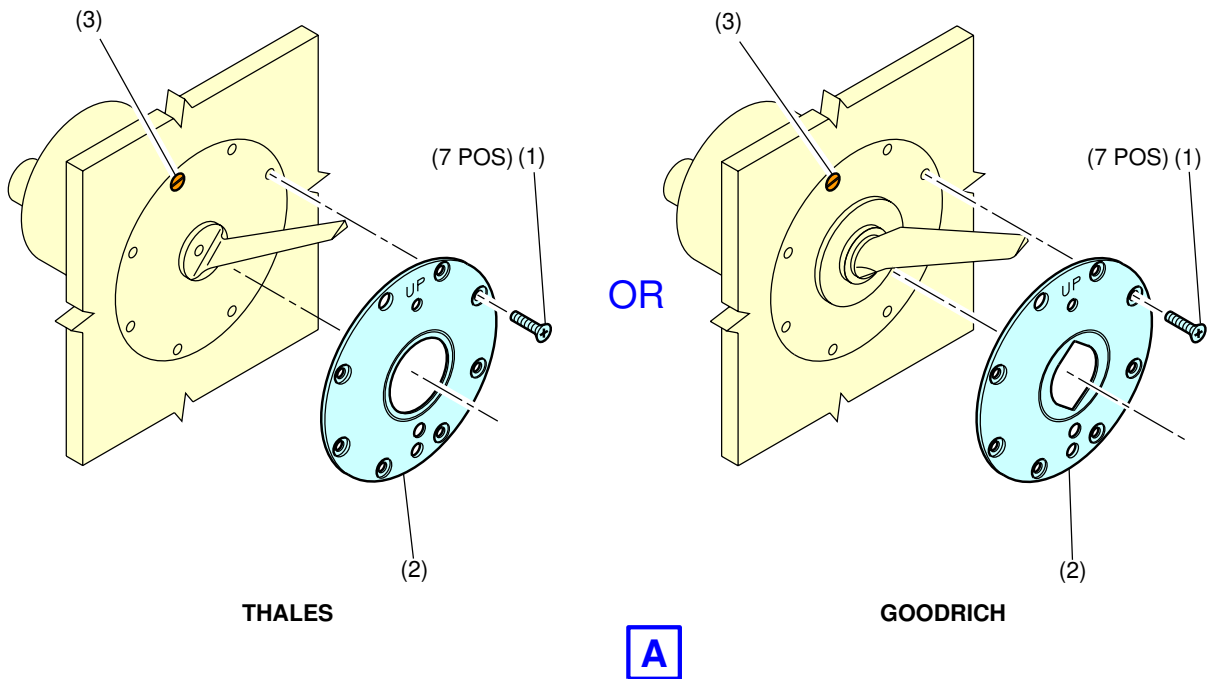
References	
Aircraft Maintenance Manual (AMM)	06-41-53, Page Block 001 Task 20-28-00-912-802 Task 20-28-00-912-804 Task 52-30-00-410-803 52-41-00, Page Block 001
Elec. Std. Practices Manual (ESPM)	20-51-20
Structural Repair Manual (SRM)	51-24-00
Fig. A-FBAAA Modification of the Plates	Sheet 01 Sheet 02

- (a) Protect the screws Item 1 in accordance with ESPM 20-51-20 and AMM Task 20-28-00-912-802 and/or AMM Task 20-28-00-912-804.
- (b) Blank off the hole located in front of the screw item (3) in accordance with SRM 51-24-00 as shown on [Fig. A-FBAAA Sheet 02](#) with:
- | | | |
|--|--------|-------------|
| Release Agent | 05-013 | As required |
| and | | |
| Corrosion Inhibiting
fillet Consistency | 09-016 | As required |
| or | | |
| Fuel Tank Sealant
Quick Repair
Permanent | 09-058 | As required |
- (c) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (d) Close the Bulk cargo-compartment door 823, refer to AMM Task 52-30-00-410-803.
- (e) Close the avionics compartment door 811, refer to AMM 06-41-53, Page Block 001 and refer AMM 52-41-00, Page Block 001.
- (f) Remove the access platform(s).
- (g) Restore the systems and the aircraft to normal operating condition.

****CONF ALL**



BEFORE



NOTE:

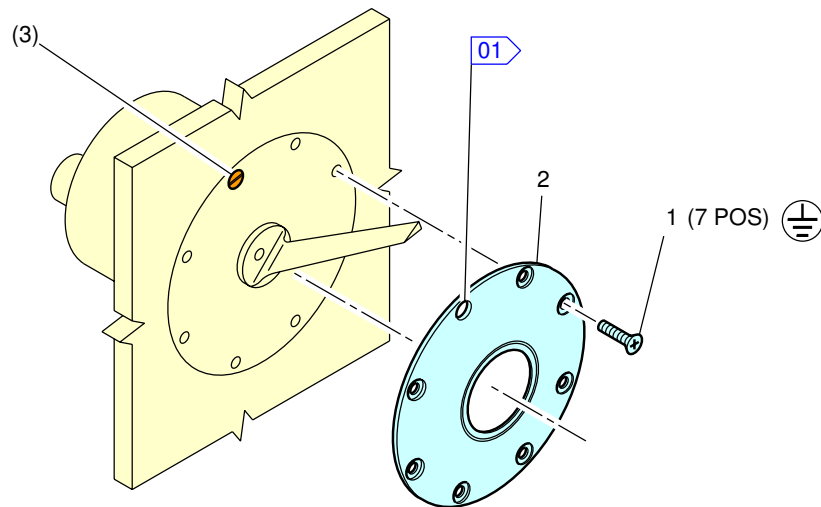
TYPICAL ILLUSTRATION ASSOCIATED WITH THALES OR GOODRICH AOA SENSORS.

G_SB_343293_5_BAAA_01_01

Figure A-FBAAA - Sheet 01
Modification of the Plates

****CONF ALL**

AFTER



B

NOTE:

ONLY ONE CONFIGURATION SHOWN, AOA SENSOR
DEPENDS ON AIRCRAFT CONFIGURATION.

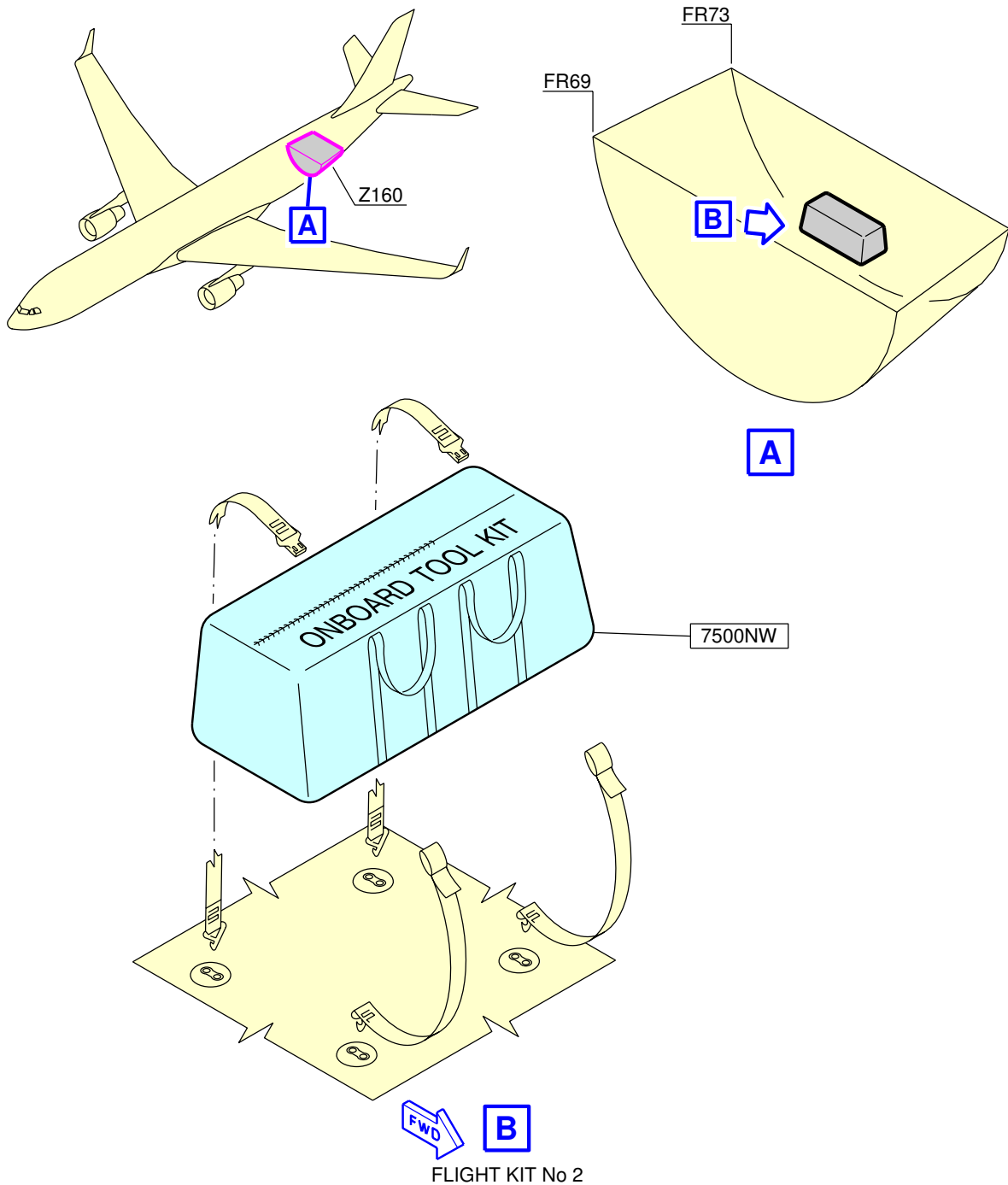
01 BLANK OFF THE HOLE LOCATED IN FRONT OF THE SCREW ITEM (3) WITH:
MAT. No. 05-013 AND MAT. No. 09-058 OR 09-016.

 ELECTRICAL BONDING

G_SB_343293_5_BAAA_02_03

Figure A-FBAAA - Sheet 02
Modification of the Plates

****CONF ALL**



NOTE:

AOA PROTECTION COVERS FINs (7955ME, 7956ME AND 7957ME)
ARE STORED IN FLIGHT KIT No 2 FIN (7500NW)

G_SB_343293_5_BBAA_01_02

Figure A-FBBAA - Sheet 01
Modification of AOA Protection Covers in the Flight Kit No 2



SERVICE BULLETIN
APPENDIX 01: Elapsed Time Assumption

****CONF ALL**

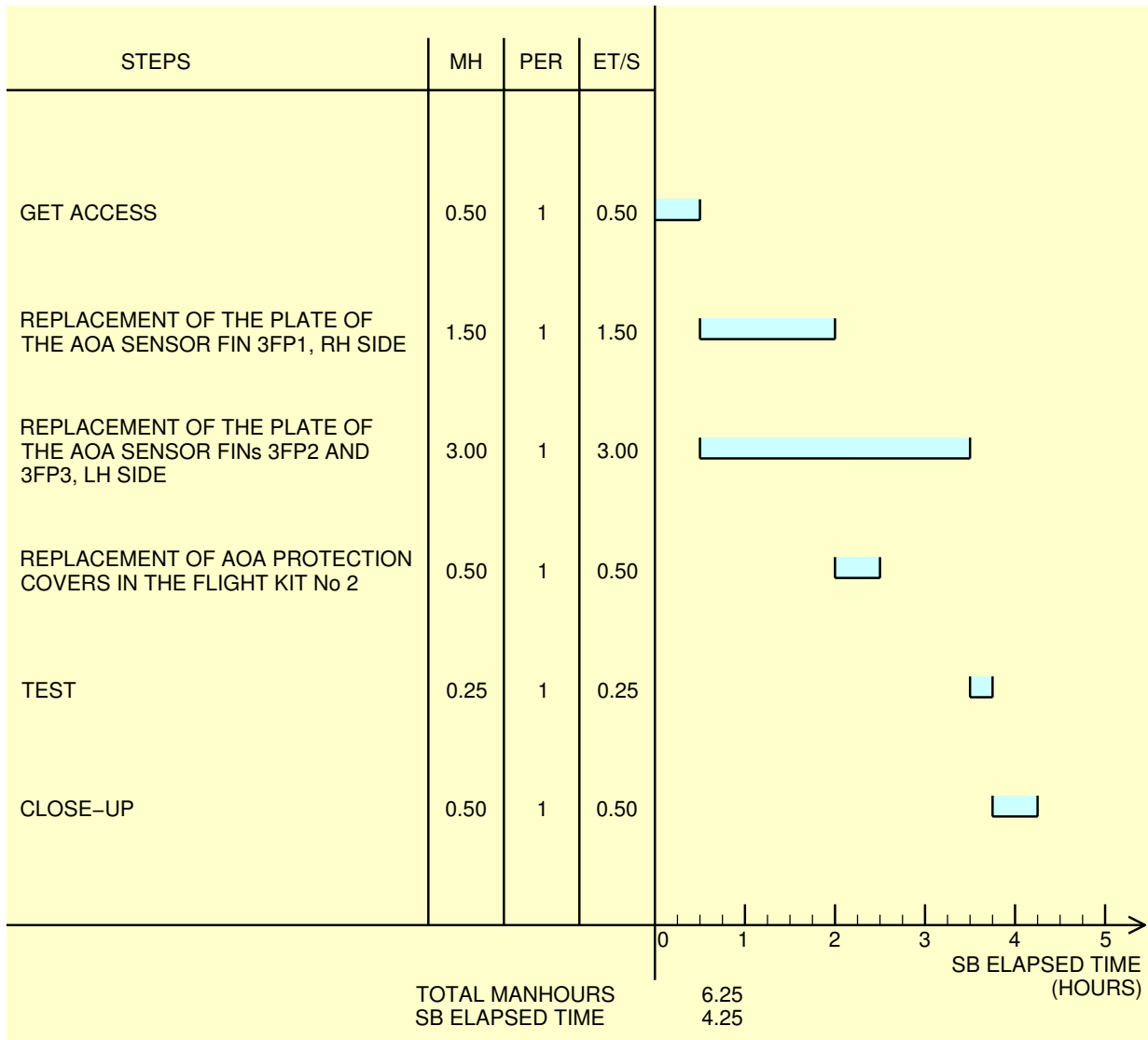
- (1) The following Gantt chart is only a proposal operators may determine that another way to do the work is more suitable for them.

SERVICE BULLETIN APPENDIX 01: Elapsed Time Assumption

****CONF ALL**

ELAPSED TIME ASSUMPTION SERVICE BULLETIN No A330-34-3293

01
02



NOTE:

01 THIS CHART IS ONLY A PROPOSAL. OPERATORS MAY DETERMINE THAT ANOTHER WAY TO DO THE WORK IS MORE SUITABLE FOR THEM.

02 IF A VSB IS INVOLVED, THE ASSOCIATED MANHOURS ARE NOT REFLECTED IN THIS GANTT CHART.

MH : MANHOURS
PER: NUMBER OF PERSONS
ET/S: ELAPSED TIME PER STEP

G_SB_343293_5_AAAA_01_01

Figure A-FAAAA - Sheet 01
Gantt Chart

**TITLE: NAVIGATION - GENERAL - REPLACE AOA PROBE CONIC PLATE BY
AOA PROBE FLAT PLATE**

MODIFICATION No.: 203295S32646

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: Modification Operational Impact (MOI), if available

YES/NO

Or : Intermediate 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:

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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	Material	Instructions
X Effectivity	X Kit content	X Preparation
X Reason	X List of Materials Operator Supplied	X Mod/Inspection
X Manpower	X Industry support	X Test
X References	X Re-identification	X Close-Up
X Publication	X Tooling	X Illustrations

Comments:

Operator:

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