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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. A340-34-4250.

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 or FIN 7503NW).

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 294.

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 TR294. It is expected that an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA) will be issued to confirm this cancellation.

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

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 TR294.

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 | LROPS AFFECTED | NO |
| STRUCTURAL LIFE EXTN | NO | VENDOR SB INVOLVED | NO |

NOTE (1): Service Bulletin must be accomplished.

MATERIAL PRICE INFORMATION

****CONF 001**

| 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 |

****CONF 002**

| 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

****CONF ALL**

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

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 15R | 47W | 56W | 58X | 83V | ABQ | AFR | AIB | ALK | ARG | CAH | CAL | CCA |
| CES | CPA | DGA | DLH | FIN | G8E | GAF | GFA | HFY | IBE | IRC | KAC | LAN |
| M3R | MAU | MDG | MSR | NMB | PAL | QAF | RJA | S3R | SAA | SAS | SFB | SLM |
| SVW | SWR | TAP | THT | THY | UAE | VCV | VIR | XAX | | | | |

CONCURRENT REQUIREMENTS

None

REFERENCES / REPERCUSSIONS

| | |
|---------------------------|---------------------|
| TFU | None |
| OEB | 45 |
| AOT | None |
| SIL | None |
| LINE MAINTENANCE AFFECTED | No |
| LIFE LIMIT | None |
| 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****CONF 001**

| | |
|---|------|
| Task 344273-831-801-001: Modification of the AOA sensor plates. | |
| TOTAL MANHOURS | 6.25 |
| ELAPSED TIME (HOURS) | 4.25 |

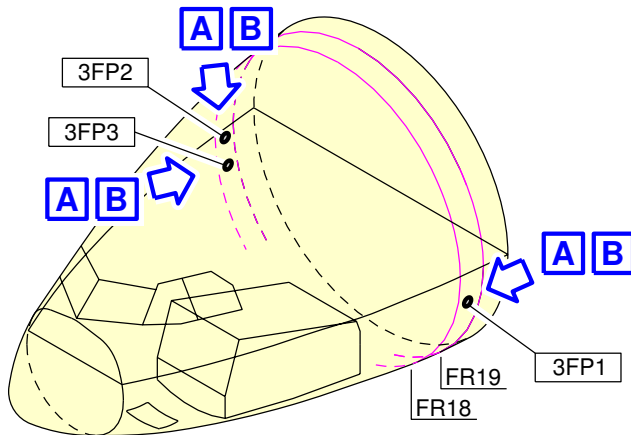
****CONF 002**

| | |
|---|------|
| Task 344273-831-801-001: Modification of the AOA sensor plates. | |
| TOTAL MANHOURS | 6.25 |
| ELAPSED TIME (HOURS) | 4.25 |

APPENDICES****CONF ALL**

APPENDIX 01: Elapsed Time Assumption

****CONF ALL**



BEFORE



THALES

OR



GOODRICH

A

NOTE:

TYPICAL ILLUSTRATION ASSOCIATED WITH THALES OR GOODRICH AOA SENSORS.

F_SB_344273_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.

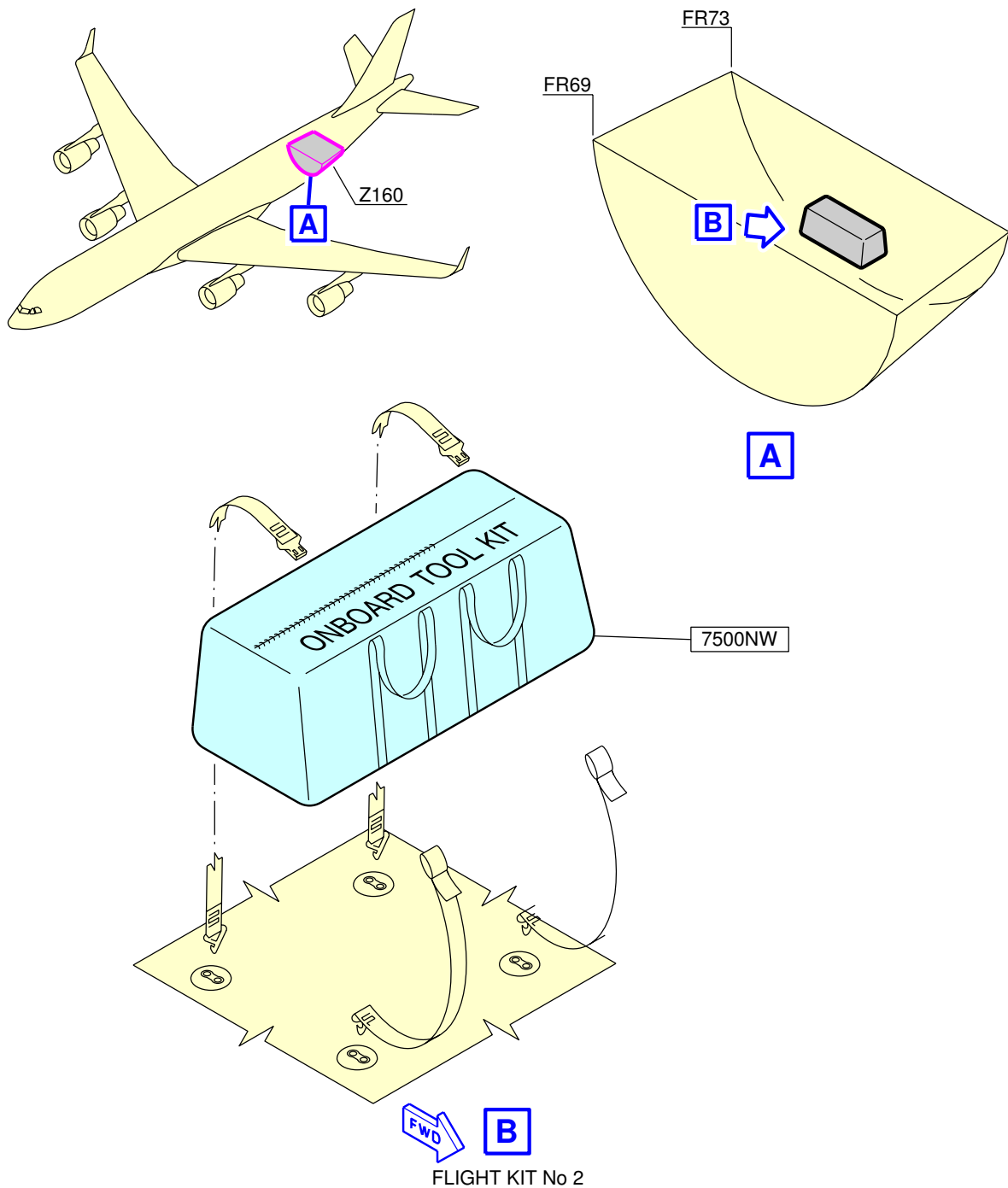
CAUTION:

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

F_SB_344273_5_SAAA_02_01

Figure A-FSAAA - Sheet 02

****CONF 001**



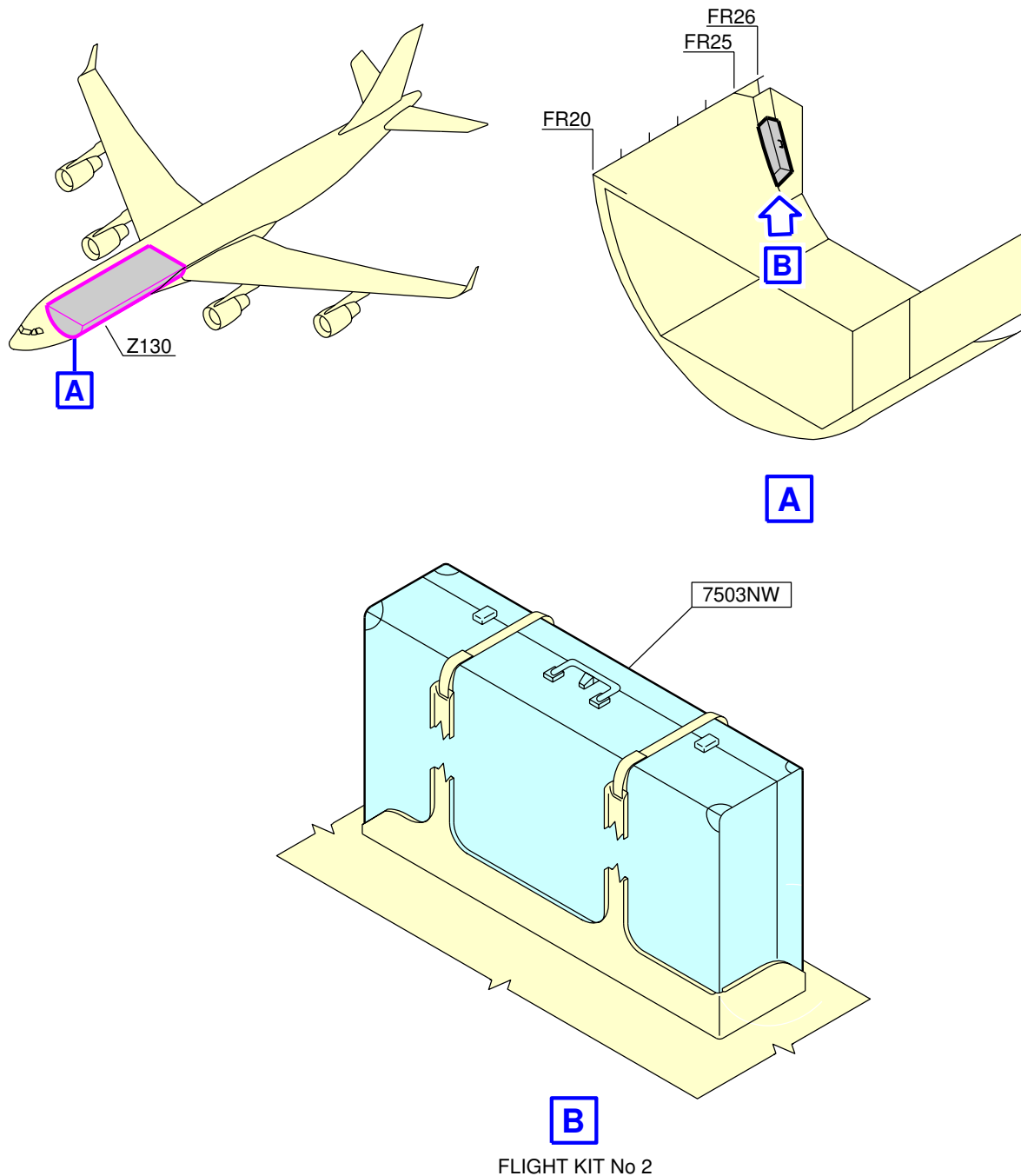
NOTE:

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

F_SB_344273_5_SBAA_01_01

Figure A-FSBAA - Sheet 01

****CONF 002**



FLIGHT KIT No 2

NOTE:

AOA PROTECTION COVERS FINs (7955ME, 7956ME AND 7957ME)
ARE STORED IN FLIGHT KIT No 2 FIN (7503NW)

F_SB_344273_5_SBAB_01_01

Figure A-FSBAB - Sheet 01



SERVICE BULLETIN
SUMMARY

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AIRBUS
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Tel : (33) 5 61 93 33 33
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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. 201609S31961 (INSTALL A NEW CONIC PLATE FOR NEW AOA (ANGLE OF ATTACK SENSOR) THALES) or Mod. No. 201610S31887 (INSTALL A NEW CONIC PLATE FOR NEW AOA (ANGLE OF ATTACK SENSOR) GOODRICH AND OLD THALES) are embodied or on which Service Bulletin No. A340-34-4250 is accomplished.

(1) Models

340-211 340-212 340-213 340-311 340-312 340-313

(2) Effectivity by MSN

0002-0006 0009 0011 0013-0015 0018-0029 0031-0035 0038 0041 0043-0044
0046-0049 0051-0053 0056-0058 0061 0063 0074-0076 0078-0081 0084-0085
0088-0091 0093-0094 0101 0104 0114-0115 0117 0123 0125-0126 0128-0129 0131
0133-0137 0139 0141-0142 0145-0147 0149-0152 0154 0156-0161 0163-0164
0166-0170 0173-0176 0178-0180 0182 0185-0187 0190 0192-0194 0196-0197 0199
0201-0202 0204 0207-0208 0210 0212-0218 0220-0221 0225 0227-0228 0233

5 DATE: Jan 30/13

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Page: 1

0235-0237 0239 0242-0243 0245-0246 0252 0257 0260 0263-0264 0268 0270
 0273-0274 0278 0280 0282 0292 0297 0302 0304 0307 0310 0318-0319 0321 0325
 0327 0329 0331-0332 0335 0347 0352 0354-0355 0359 0363 0367 0373-0374
 0377-0379 0381 0385 0387 0390 0395 0399 0402 0406 0411 0413-0415 0424
 0429-0430 0433-0435 0438 0442 0446-0447 0450 0459 0467 0470 0474 0483 0528
 0538 0541 0544-0546 0554 0556 0559 0561-0562 0582 0585 0590 0598 0643 0646
 0651 0668 0793 0800 0835 0844 0921 0938 0955

(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 |
|----------|--|
| 15R | 0151 |
| 47W | 0009 |
| 56W | 0003 0011 0013 0018 0019 0021 |
| 58X | 0004 |
| 83V | 0235 0280 0292 |
| ABQ | 0216 0257 |
| AFR | 0029 0078 0084 0186 0207 0237 0245 0246 0260 0307 0310 0377 0399 |
| AIB | 0302 0318 0332 |
| ALK | 0032 0033 0034 0367 0374 0381 |
| ARG | 0048 0063 0074 0080 0085 0093 0094 0123 0126 0128 0373 |
| CAH | 0020 0056 |
| CAL | 0402 0406 0411 0415 0433 0541 |
| CCA | 0192 0199 0201 0242 0243 0264 |
| CES | 0129 0131 0141 0161 0182 |
| CPA | 0136 0137 0142 0147 0157 0160 0208 0218 0220 0227 0228 |
| DGA | 0075 0081 |
| DLH | 0024 0027 0028 0035 0052 0053 0135 0158 0213 0233 0252 0297 0304 0321 0325 0327 0335 0347 0352 0354 0379 0390 0434 0447 |
| FIN | 0058 0168 0174 0835 0844 0921 0938 |
| G8E | 0015 0239 |
| GAF | 0274 0355 |
| GFA | 0212 0215 0282 0554 |
| HFY | 0117 0133 |
| IBE | 0005 0088 0125 0134 0145 0146 0170 0193 0217 0221 0329 0387 0414 0459 0474 0483 |
| IRC | 0002 |
| KAC | 0089 0090 0101 0104 |
| LAN | 0167 0359 0363 0429 0442 |
| M3R | 0061 |
| MAU | 0076 0152 0194 0268 0793 0800 |
| MDG | 0210 0319 |
| MSR | 0156 0159 0178 |

| OPERATOR | MSN |
|----------|---|
| NMB | 0047 0051 |
| PAL | 0173 0176 0187 0196 |
| QAF | 0026 0528 |
| RJA | 0014 0022 0038 0043 |
| S3R | 0204 |
| SAA | 0006 0197 0378 0544 0582 0590 0643 0646 0651 |
| SAS | 0413 0424 0430 0435 0450 0467 0470 |
| SFB | 0046 |
| SLM | 0049 |
| SVW | 0955 |
| SWR | 0150 0154 0169 0175 0179 0263 0538 0545 0546 0556 0559 0561 0562 0585 0598 |
| TAP | 0041 0044 0079 0091 |
| THT | 0385 0395 0438 0446 0668 |
| THY | 0023 0025 0057 0115 0180 0270 0331 |
| UAE | 0139 0149 0163 0166 0185 0190 0202 0236 |
| VCV | 0031 |
| VIR | 0114 0164 0214 0225 |
| XAX | 0273 0278 |

(4) Configuration by MSN

| MSN | CONFIGURATION |
|---|---------------|
| 0002 0003 0004 0005 0006 0009 0011 0013 0014 0015 0018 0019 0020 0021 0022 0023 0024 0025 0026 0027 0028 0029 0031 0032 0033 0034 0035 0038 0041 0043 0044 0046 0047 0048 0049 0051 0052 0053 0056 0057 0058 0061 0063 0074 0075 0076 0078 0079 0080 0081 0084 0085 0088 0089 0090 0091 0093 0094 0101 0104 0114 0115 0117 0123 0125 0126 0128 0129 0131 0133 0134 0135 0136 0137 0139 0141 0142 0145 0146 0147 0149 0150 0151 0152 0154 0156 0157 0158 0159 0160 0161 0163 0164 0166 0167 0168 0169 0170 0173 0174 0175 0176 0178 0179 0180 0182 0185 0186 0187 0190 0192 0193 0194 0196 0197 0199 0201 0202 0204 0207 0208 0210 0212 0213 0214 0215 0216 0217 0218 0220 0221 0225 0227 0228 0233 0235 0236 0237 0239 0242 0243 0245 0246 0252 0257 0260 0263 0264 0268 0270 0273 0274 0278 0280 0282 0292 0297 0302 0304 0307 0310 0318 0319 0321 0325 0327 0329 0331 0332 0335 0347 0352 0354 0355 0359 0363 0367 0373 0374 0377 0378 0379 0381 0385 0387 0390 0395 0399 0402 0406 0411 0413 0414 0415 0424 0429 0430 0433 0434 0435 0438 0442 0446 0447 0450 0459 0467 0470 0474 0483 0528 0538 0541 0545 0546 0554 0556 0559 0561 0562 0585 0598 0668 0793 0800 0955 | 001 |
| 0544 0582 0590 0643 0646 0651 0835 0844 0921 0938 | 002 |

(5) Configuration definition

****CONF 001**

Config. 001 is valid for aircraft on which Mod. No. 50648D44169 is not embodied.

****CONF 002**

Config. 002 is valid for aircraft on which Mod. No. 50648D44169 is embodied.

(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. A340-34-4250.

(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 or FIN 7503NW).

(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 294.

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 TR294. It is expected that an Airworthiness Directive (AD) published by the European Aviation Safety Agency (EASA) will be issued to confirm this cancellation.

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

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 TR294.

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

****CONF 001**

Task 344273-831-801-001: 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).

****CONF 002**

Task 344273-831-801-001: 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 7503NW).

****CONF ALL**

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.

****CONF 001**

| Task 344273-831-801-001: 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 .

****CONF 002**

| Task 344273-831-801-001: 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 |

| Task 344273-831-801-001: Modification of the AOA sensor plates. | |
|---|------|
| 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 7503NW). | 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 .

****CONF ALL**

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

****CONF 001**

| | | | |
|--|----------------------------------|----------------------------------|----------------------|
| 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) | Chapter 1-00-07 | | |

****CONF 002**

| | | | |
|-----------------------------------|----------------------------------|----------------------------------|----------------------|
| 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) | | | |

5 DATE: Jan 30/13

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| | |
|--|----------------------------|
| 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) | Chapter 1-00-07 |

****CONF ALL****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****CONF 001**

| DESCRIPTION | OLD PART N° | NEW PART N° | INT | MIXABILITY | SEE NOTES |
|-------------|----------------|----------------|-----|------------|-----------|
| Plate | F3411060900000 | F3411007920200 | 01 | NO | |
| Plate | F3411060200000 | F3411007920200 | 01 | NO | |

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

****CONF 002**

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

****CONF ALL**

M. SPARES

AOA Sensor Protection Cover 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 Jun 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 Jun 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
Tel : (33) 5 67 19 06 22
E-mail : monitored.retrofit@airbus.com
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 (obsolete Use 05-013a) | 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 344273-831-801-001 - 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

****CONF 001**

| 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 |

****CONF 002**

| Zone | |
|-----------------------------|-----------------|
| 121 122 130 | |
| Modified FIN | |
| 7955ME 7956ME 7957ME 7503NW | |
| Access | |
| Door | 821 |
| Other access | Access platform |

| Manpower | |
|----------------------|------|
| TOTAL MANHOURS | 6.25 |
| ELAPSED TIME (HOURS) | 4.25 |

****CONF ALL****A. GENERAL******CONF 001****(1) Subtask 344273-910-001-001 - 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 20-28-00-912-802 Task 20-28-00-912-805 |
| 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 materials (Mat. No.) given in this Service Bulletin, refer to Consumable Materials 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 fasteners in accordance with SRM 51-42-00.
- (f) Obtain alternative and substitute fasteners 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) For the electrical bonding, refer to ESPM 20-51-20 and AMM Task 20-28-00-912-802 and/or AMM Task 20-28-00-912-805.
- (i) Apply sealant in accordance with SRM 51-24-00.

(2) Subtask 344273-839-001-001 - Administrative

| Manpower Resources | |
|--------------------|--------------|
| Skills | NON SPECIFIC |

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

****CONF 002**

(1) Subtask 344273-910-001-001 - 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 20-28-00-912-802 Task 20-28-00-912-805 |
| 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 materials (Mat. No.) given in this Service Bulletin, refer to Consumable Materials 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 fasteners in accordance with SRM 51-42-00.
- (f) Obtain alternative and substitute fasteners 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) For the electrical bonding, refer to ESPM 20-51-20 and AMM Task 20-28-00-912-802 and/or AMM Task 20-28-00-912-805.
- (i) Apply sealant in accordance with SRM 51-24-00.

(2) Subtask 344273-839-001-001 - Administrative

| Manpower Resources | |
|--------------------|--------------|
| Skills | NON SPECIFIC |

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

****CONF ALL****B. PREPARATION******CONF 001****(1) Subtask 344273-941-001-001 - 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, 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 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).

****CONF 002****(1) Subtask 344273-941-001-002 - 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 52-30-00-010-801 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 platform(s) in position at the FWD cargo-compartment door 821, at avionics compartment door 811 and at zones 121 to get access to the AOA sensor FIN 3FP1 and zone 122 to get access to the AOA sensors FINs 3FP2 and 3FP3.
- (c) Open the FWD cargo-compartment door 821, refer to AMM Task 52-30-00-010-801.
- (d) Open the avionics compartment door 811, refer to AMM 52-41-00, Page Block 001 and 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).

****CONF ALL**

C. PROCEDURE

****CONF 001**

- (1) **Subtask 344273-831-001-001 - 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 | |

SERVICE BULLETIN

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:

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 Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

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 PLATE 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 344273-831-002-001 - 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 Sensor 2 and 3:

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 Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

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 | Srew | | Item (1) | Discard |
|----|------|--|----------|---------|

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

| | | |
|-------------------------|--------|-------------|
| Solvent General Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

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 344273-831-003-001 - 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
Cover

FIN 7956ME

1 AOA Sensor Protection 98D34203003000 Discard
Cover

FIN 7957ME

1 AOA Sensor Protection 98D34203003000
Cover

Discard

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

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

FIN 7955ME

1 AOA Sensor Protection 98F10001000000
Cover

FIN 7956ME

1 AOA Sensor Protection 98F10001000000
Cover

FIN 7957ME

1 AOA Sensor Protection 98F10001000000
Cover

****CONF 002**

- (1) **Subtask 344273-831-001-001 - 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:

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 Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

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 Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

4 Install the flat plate:

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

SERVICE BULLETIN

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 344273-831-002-001 - 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 |

| References | |
|--|--|
| 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 Sensor 2 and 3:

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 Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

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 | Srew | | Item (1) | Discard |
|----|------|--|----------|---------|

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

| | | |
|-------------------------|--------|-------------|
| Solvent General Purpose | 11-026 | As required |
|-------------------------|--------|-------------|

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 344273-831-003-002 - Replace the AOA Protection Covers in the Flight Kit No 2 (FIN 7503NW).

| Work Zones and Access Panels | | | |
|------------------------------|------|----------------------|----------|
| | Zone | Access/Work location | |
| | 130 | Access | Door 821 |

| 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-FBBAB 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-FBBAB 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 7503NW):

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

FIN 7955ME

| | | |
|---|---|---------|
| 1 | AOA Sensor Protection 98D34203003000 Cover | Discard |
|---|---|---------|

FIN 7956ME

| | | |
|---|---|---------|
| 1 | AOA Sensor Protection 98D34203003000 Cover | Discard |
|---|---|---------|

FIN 7957ME

| | | |
|---|---|---------|
| 1 | AOA Sensor Protection 98D34203003000 Cover | Discard |
|---|---|---------|

(b) Install in the Flight Kit No 2 (FIN 7503NW):

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

FIN 7955ME

1 AOA Sensor Protection 98F10001000000
Cover

FIN 7956ME

1 AOA Sensor Protection 98F10001000000
Cover

FIN 7957ME

1 AOA Sensor Protection 98F10001000000
Cover

****CONF ALL****D. TEST******CONF 001****(1) Subtask 344273-700-001-001 - 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.

****CONF 002****(1) Subtask 344273-700-001-001 - 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.

****CONF ALL**

E. CLOSE-UP

****CONF 001**

(1) Subtask 344273-942-001-001 - 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 and as shown on [Fig. A-FBAAA Sheet 02](#) with:

| | | |
|--|--------|-------------|
| Release Agent | 05-013 | As required |
| Corrosion Inhibiting fillet Consistency | 09-016 | As required |

or

Fuel Tank Sealant 09-058 As required
Quick Repair
Permanent

- (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 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 002**
(1) Subtask 344273-942-001-002 - 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 52-30-00-410-801 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.

SERVICE BULLETIN

- (b) Blank off the hole located in front of the screw item (3) in accordance with SRM 51-24-00 and as shown on [Fig. A-FBAAA Sheet 02](#) with:

| | | |
|---------------|--------|-------------|
| Release Agent | 05-013 | As required |
|---------------|--------|-------------|

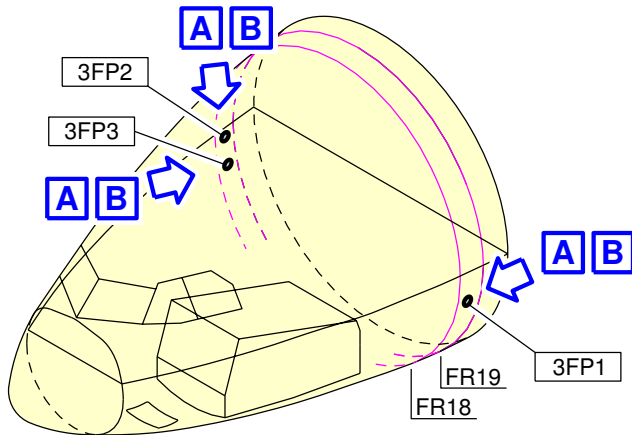
| | | |
|--|--------|-------------|
| Corrosion Inhibiting fillet Consistency | 09-016 | As required |
|--|--------|-------------|

or

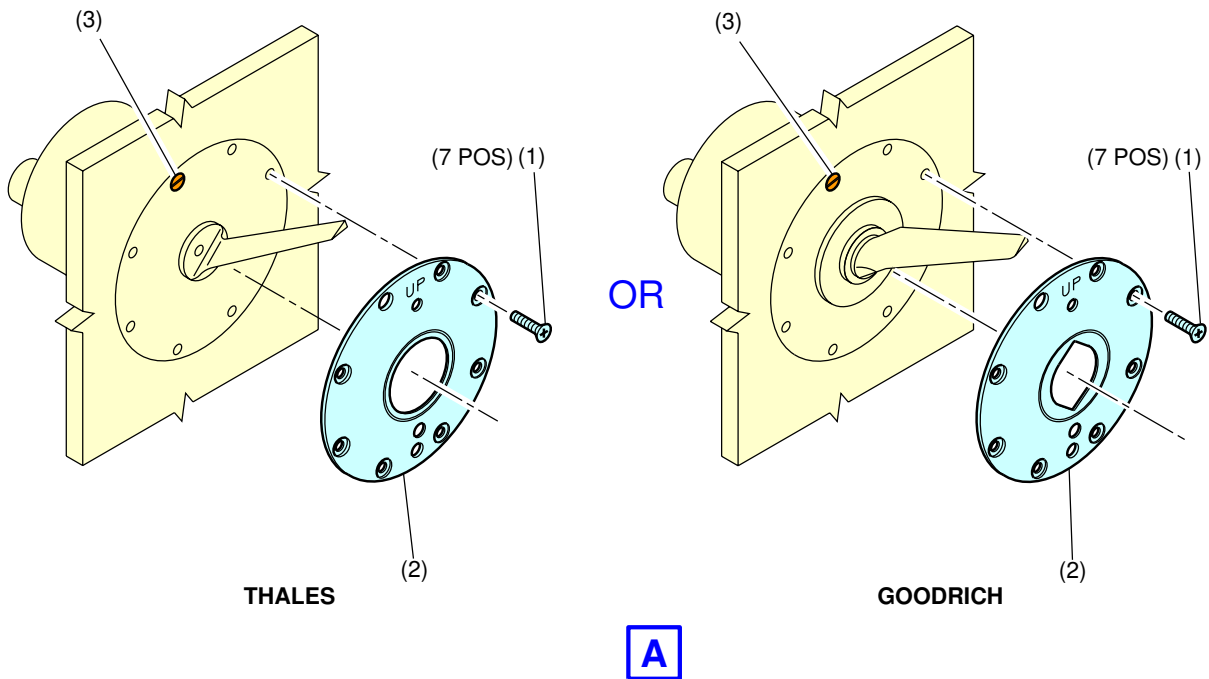
| | | |
|--|--------|-------------|
| Fuel Tank Sealant Quick Repair Permanent | 09-058 | As required |
|--|--------|-------------|

- (c) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (d) Close the FWD cargo-compartment door 821, refer to AMM Task 52-30-00-410-801.
- (e) Close the avionics compartment door 811, refer to AMM 06-41-53, Page Block 001 and 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:

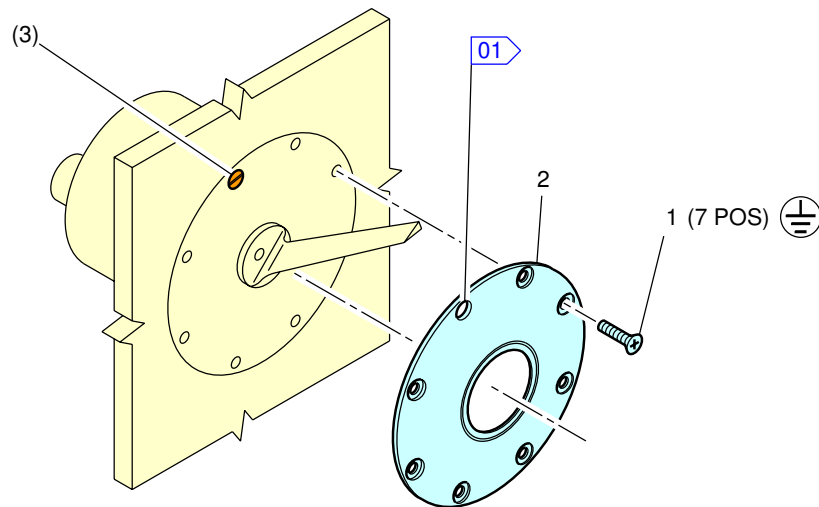
TYPICAL ILLUSTRATION ASSOCIATED WITH THALES OR GOODRICH AOA SENSORS.

F_SB_344273_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.

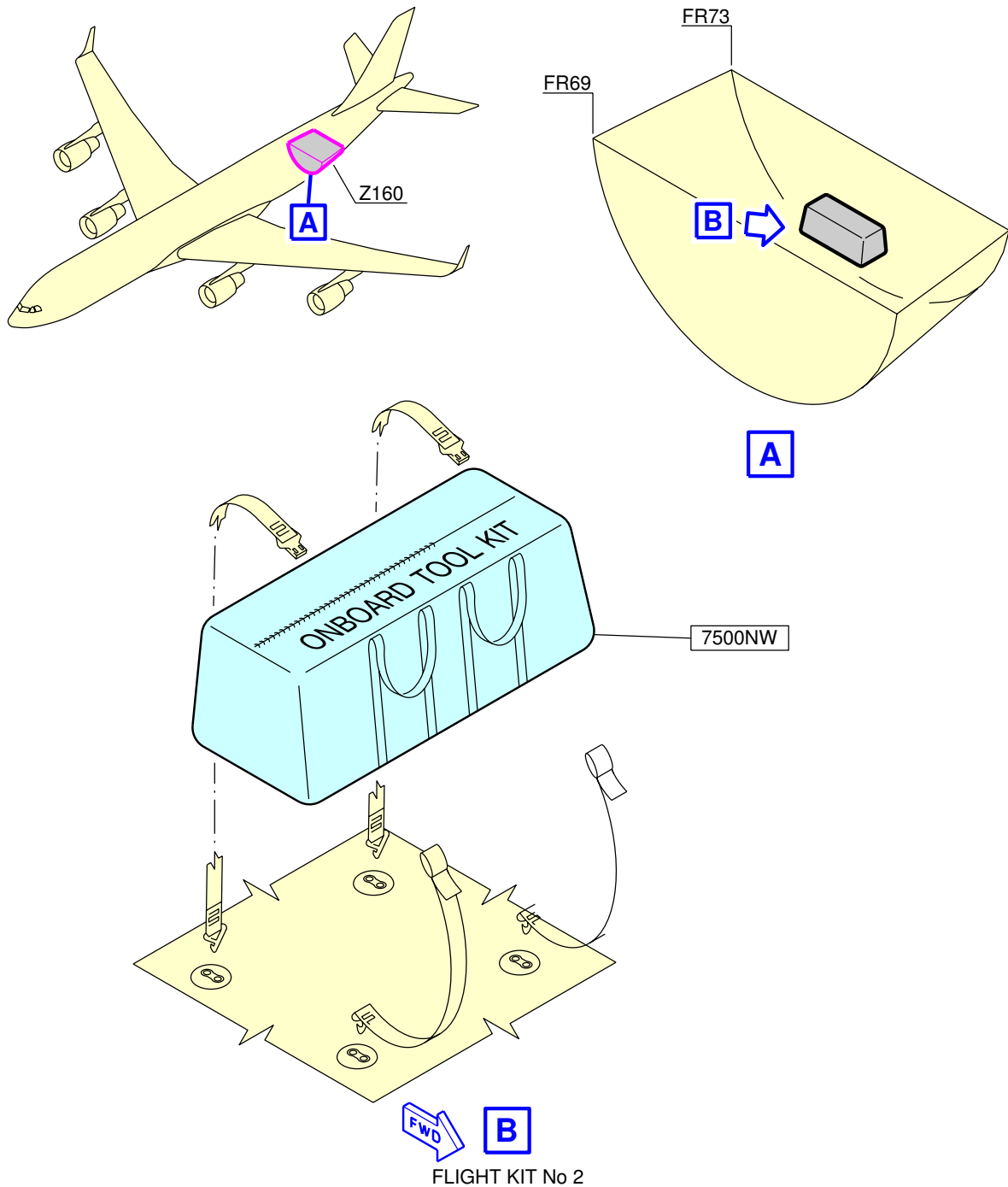
01 BLANK OFF THE HOLE LOCATED IN FRONT OF THE SCREW ITEM (3) WITH:
MAT. No. 05-013 AND MAT. No. 09-058 OR 09-016.

 ELECTRICAL BONDING

F_SB_344273_5_BAAA_02_03

Figure A-FBAAA - Sheet 02
Modification of the Plates

****CONF 001**



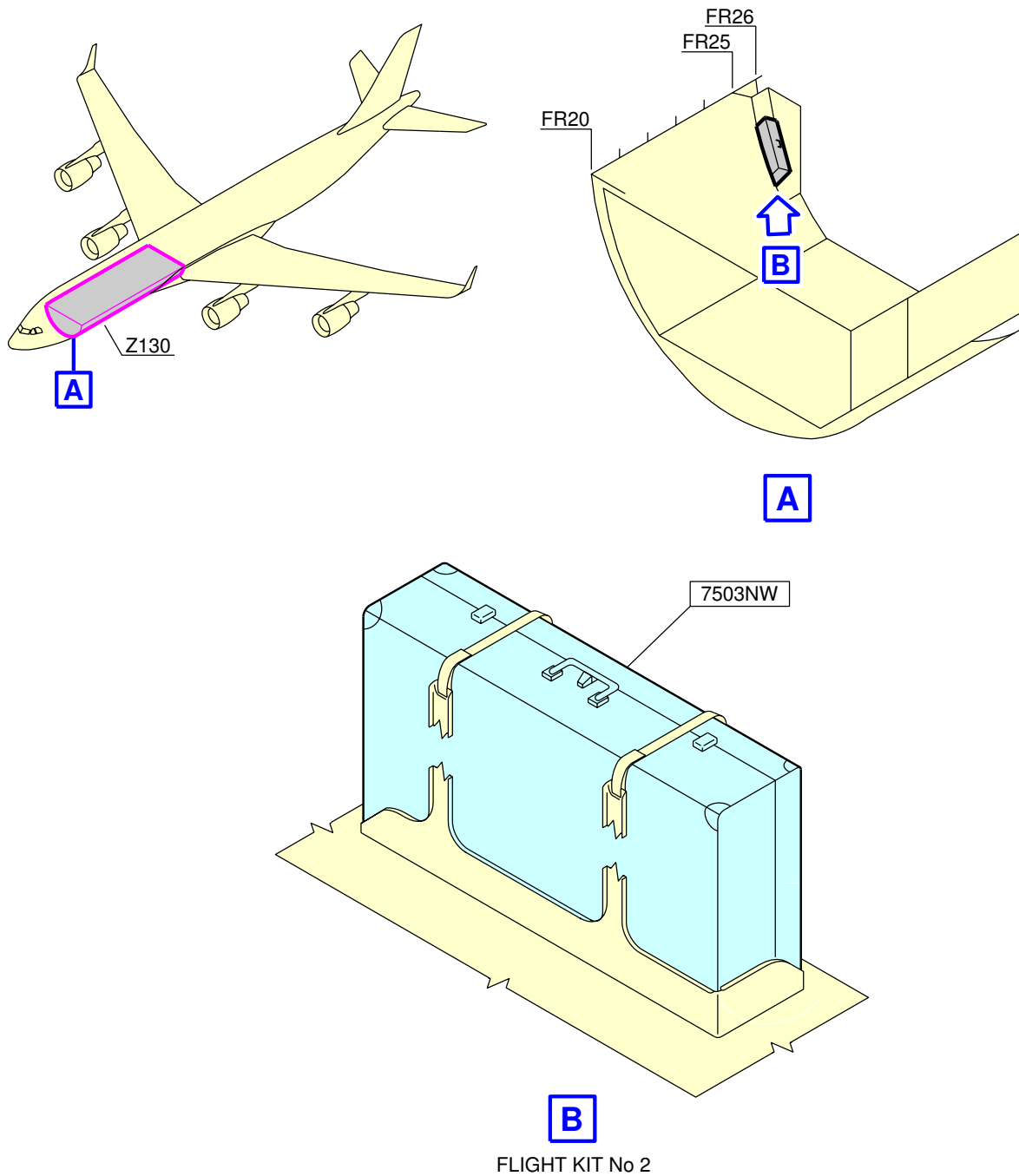
NOTE:

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

F_SB_344273_5_BBAA_01_02

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

****CONF 002**



NOTE:

AOA PROTECTION COVERS FINs (7955ME, 7956ME AND 7957ME)
ARE STORED IN FLIGHT KIT No 2 FIN (7503NW)

F_SB_344273_5_BBAB_01_02

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



SERVICE BULLETIN
APPENDIX 01: Elapsed Time Assumption

****CONF ALL**

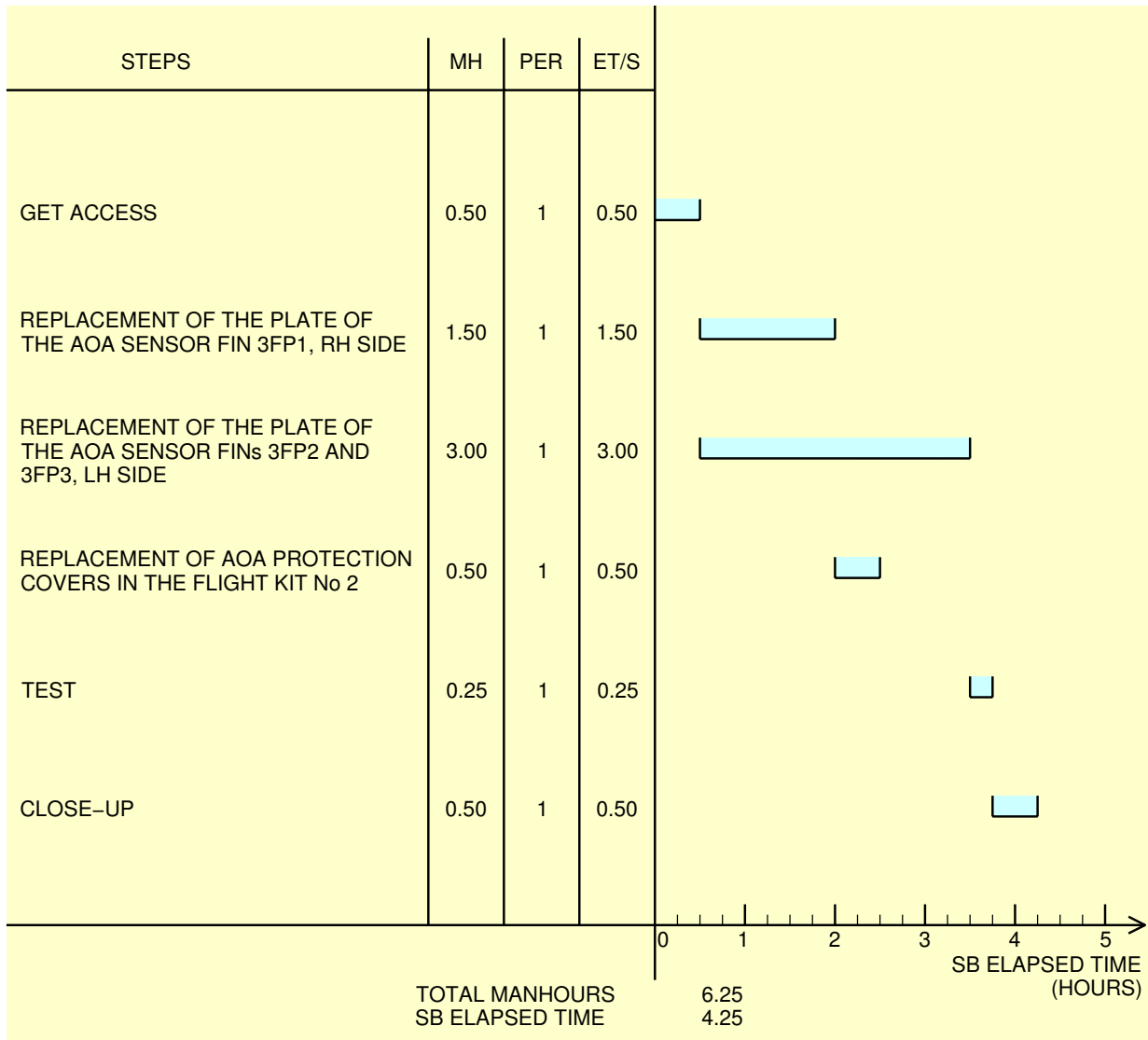
- (1) The following Gantt chart is only a proposal operators may determine that another way to do the work is more suitable for them.

SERVICE BULLETIN APPENDIX 01: Elapsed Time Assumption

****CONF ALL**

ELAPSED TIME ASSUMPTION SERVICE BULLETIN No. A340-34-4273

01
02



NOTES:

- 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

F_SB_344273_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.

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SERVICE BULLETIN
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(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:

Date:

Name/Title:

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