

SERVICE BULLETIN
SUMMARY

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

ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION -
UPGRADE TRU VENTILATION DUCT**

****CONF ALL**

MODIFICATIONS

MODIFICATION CLASSIFICATION					
MAJOR	None				
MINOR	150334P11623				

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

On aircraft post modification No. 37052P10052 (ELECTRICAL POWER - DC MAIN GENERATION - INTRODUCE AN ADDITIONAL TRU (4TH) TO COVER IFE NEEDS ON SINGLE AISLE CORPORATE JET), it has been highlighted that the hose located between the air extraction of the fourth Transformer Rectifier Unit (TRU) and the avionic air extraction pipe is too short.

This Service Bulletin proposes replacing the existing hose PN ABS1114B028D180 by new hose with PN ABS1114B028D210, 30mm longer.

Accomplishment of this Service Bulletin will allow to retrieve the correct shape of the installation.

GENERAL EVALUATION

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

SERVICE BULLETIN
SUMMARY**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	Hose

EFFECTIVITY

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

06U 27V 42W 52W 60V 71W 83W BEC CRK LHT MLM SVW UKN

This Service Bulletin is only applicable on aircraft on which Mod. No. 37052P10052 (ELECTRICAL POWER - DC MAIN GENERATION - INTRODUCE AN ADDITIONAL TRU (4TH) TO COVER IFE NEEDS ON SA CORPORATE JET) is embodied.

CONCURRENT REQUIREMENTS

None

REFERENCES / REPERCUSSIONS

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

NATURE OF THE WORK

AIRCRAFT	YES
EQUIPMENT	NO
HARD	NO
SOFT	NO
OBRM	NO

MANPOWER

Task 211193-831-801-001: Modification	
TOTAL MANHOURS	3.00
ELAPSED TIME (HOURS)	3.00

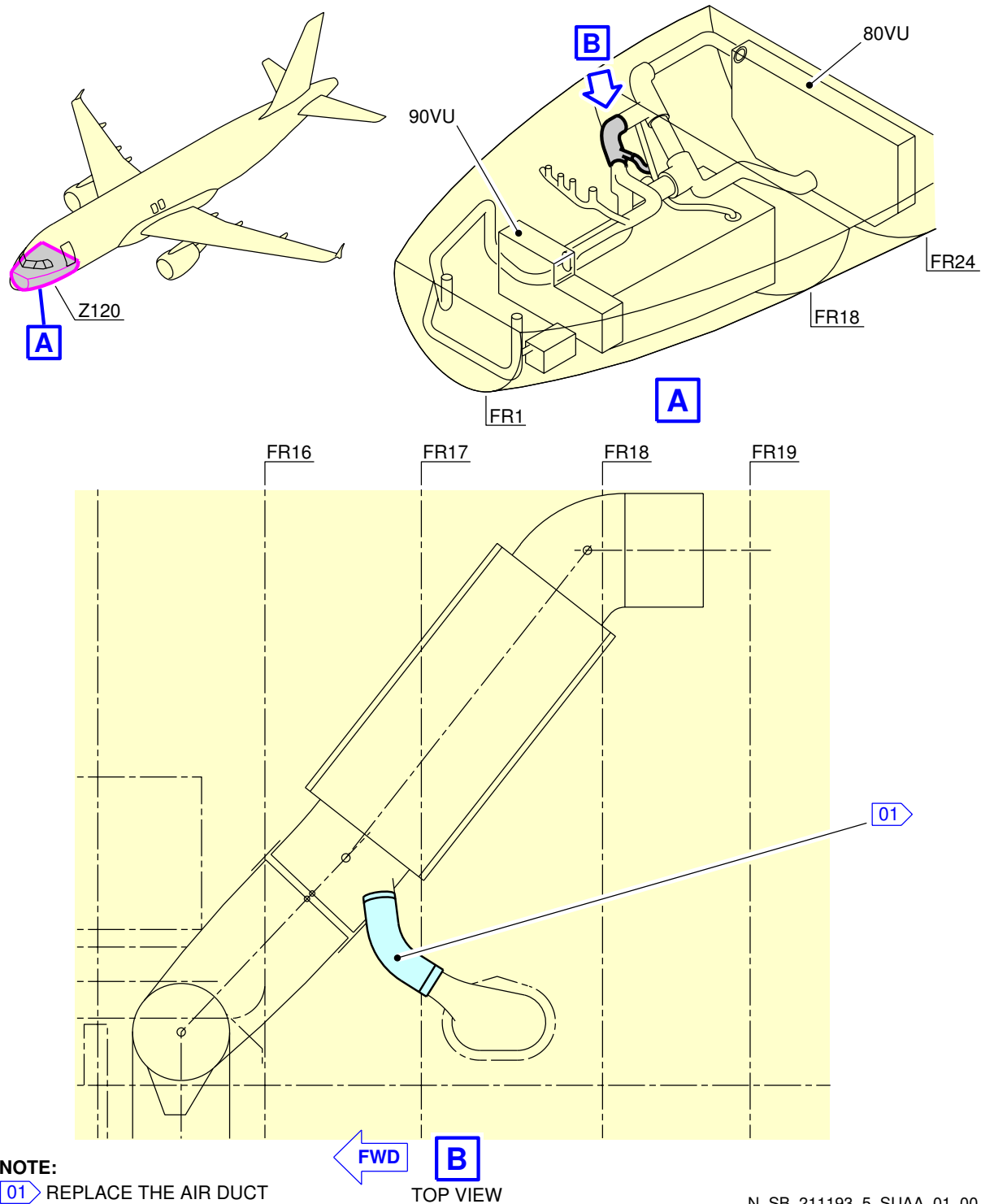
APPENDICES

None

A318/A319/A320/A321

SERVICE BULLETIN SUMMARY

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Figure A-FSUAA - Sheet 01

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ATA SYSTEM: 21

**TITLE: AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION -
UPGRADE TRU VENTILATION DUCT**

MODIFICATION No.: 150334P11623

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1. PLANNING INFORMATION

****CONF ALL**

A. EFFECTIVITY

NOTE: This Service Bulletin is only applicable on aircraft on which Mod. No. 37052P10052 (ELECTRICAL POWER - DC MAIN GENERATION - INTRODUCE AN ADDITIONAL TRU (4TH) TO COVER IFE NEEDS ON SA CORPORATE JET) is embodied.

(1) Models

319-115 319-133 320-214

(2) Effectivity by MSN

3133 3199 3243 3260 3356 3513 3542 3632 3826 3856 3897 3957 3994 4024 4042

(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
06U	3957
27V	3826

OPERATOR	MSN
42W	3513
52W	3243
60V	3632
71W	3994
83W	4024
BEC	3199
CRK	4042
LHT	3897
MLM	3356
SVW	3133 3542 3856
UKN	3260

- (4) Configuration by MSN

MSN	CONFIGURATION
3133 3199 3243 3260 3356 3513 3542 3632 3826 3856 3897 3957 3994 4024 4042	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
Component COMPA01	1	

B. CONCURRENT REQUIREMENTS

None

C. REASON

- (1) History

On aircraft post modification No. 37052P10052 (ELECTRICAL POWER - DC MAIN GENERATION - INTRODUCE AN ADDITIONAL TRU (4TH) TO COVER IFE NEEDS ON SINGLE AISLE CORPORATE JET), it has been highlighted that the hose located between the air extraction of the fourth Transformer Rectifier Unit (TRU) and the avionic air extraction pipe is too short.

- (2) Objective/Action

This Service Bulletin proposes replacing the existing hose PN ABS1114B028D180 by new hose with PN ABS1114B028D210, 30mm longer.

(3) Advantages

Accomplishment of this Service Bulletin will allow to retrieve the correct shape of the installation.

(4) Operational/Maintenance Consequences

None

D. DESCRIPTION

To accomplish this Service Bulletin it is necessary to :

Task 211193-831-801-001: Modification

(1) Replace the TRU Ventilation Hose.

E. COMPLIANCE

(1) Classification

DESIRABLE

(2) Accomplishment Timescale

In accordance with operators' maintenance schedule.

F. APPROVAL

Approved under EASA 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 211193-831-801-001: Modification	
Get Access	1.00
On Aircraft	
Replace the TRU Ventilation Hose.	0.50
Tests	0.50
Close-Up	1.00
TOTAL MANHOURS	3.00

Task 211193-831-801-001: Modification	
ELAPSED TIME (HOURS)	3.00

H. WEIGHT AND BALANCE

Manufacturers Empty Weight	-0.134 KG	(-0.2954 LB)
Effect on Balance	-0.981 KGM	(-7.095 LB.FT)

I. ELECTRICAL LOAD DATA

Not Changed

J. REFERENCES

Aircraft Maintenance Manual (AMM)	06-20-00	12-34-24	21-26-00
	21-26-41	21-26-42	52-41-00
Elec. Std. Practices Manual (ESPM)	20-55-00		

K. PUBLICATION AFFECTED

Illustrated Parts Catalog (IPC)	21-26-01
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L. INTERCHANGEABILITY/MIXABILITY

Not Applicable

M. SPARES

None

2. MATERIAL INFORMATION****CONF ALL****A. MATERIAL - PRICE AND AVAILABILITY**

(1) Procurement Addresses

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 SPARES SUPPORT AND SERVICES Weg beim Jeager 150 D-22335 HAMBURG GERMANY For ordering by internet: http://spares.airbus.com For ordering by fax: +49 40 50 76 25 90 for SB kit orders +49 40 50 76 40 12 for spares orders
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(2) Price and Availability

Component COMPA01

No AIRBUS kit will be provided. Parts required to accomplish this Service Bulletin are to be purchased by a Spares Purchase Order.

B. INDUSTRY SUPPORT INFORMATION

AIRBUS will not provide industry support for accomplishment of this Service Bulletin.

C. LIST OF COMPONENTS

No Kit

D. LIST OF MATERIALS - OPERATOR SUPPLIED

(1) Consumable Materials

None

(2) Components

Component COMPA01

ITEM	NEW PART N°	QTY (UM)	KEYWORD	ITEM	OLD PART N°	INT	SEE NOTES
1	ABS1114B028D210	1	Hose				

(3) Equipment

None

E. PARTS TO BE RE-IDENTIFIED BY OPERATOR

None

F. TOOLING

None

3. ACCOMPLISHMENT INSTRUCTIONS

Task 211193-831-801-001 - Modification

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	
122	
Manpower	
TOTAL MANHOURS	3.00
ELAPSED TIME (HOURS)	3.00

A. GENERAL

(1) Subtask 211193-910-001-001 - Standard Practices

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	06-20-00, Page Block 001

(a) For the identification of the Zones (Refer to AMM 06-20-00, Page Block 001).

(b) Tag the parts that you must remove and retain to make the subsequent installation.

(c) Put all the retained hardware in identified plastic bags to the related unit.

(2) Subtask 211193-839-001-001 - Administrative

Manpower Resources	
Skills	NON SPECIFIC

SERVICE BULLETIN

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

B. PREPARATION

(1) Subtask 211193-941-001-001 - Job Set-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 12-34-24-869-002
	Task 21-26-42-000-002
	Task 52-41-00-010-002

- (a) Make sure that the aircraft is electrically grounded (Refer to AMM Task 12-34-24-869-002).
- (b) Put access platform(s) in position.
- (c) Open the access door 824 (Refer to AMM Task 52-41-00-010-002).
- (d) Open the passenger/crew door(s).
- (e) Do the preparation procedure as specified in the removal of the avionics equipment blowing and extraction ducts (Refer to AMM Task 21-26-42-000-002).
- (f) Get access to the work area.

(2) Subtask 211193-865-001-001 - C/B Opening

Manpower Resources	
Skills	NON SPECIFIC

- (a) Open, safety and tag this (these) circuit breaker(s):

Remove the safety clip) and tags and close these circuit breakers :

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
49VU	AIR COND/AVNCS VENT/CTL	6HQ	06 D	
122VU	AIR COND/AVNCS/VENT/MONG	3HQ	17 Y	
123VU	AVNCS VENT/BLOWER/FAN	1HQ	10AD	

and

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
49VU	AIR COND/AVNCS VENT/CTL	5HQ	07 D	

or

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
49VU	AIR COND/AVNCS VENT/CTL	5HQ	05 D	

and

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
123VU	AVNCS VENT/EXTC/FAN	2HQ	02AE	

or

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
123VU	AVNCS VENT/EXTC/FAN	2HQ	04AC	

C. PROCEDURE

- (1) Subtask 211193-960-001-001 - Replace the TRU Ventilation Hose.

Work Zones and Access Panels			
	Zone	Access/Work location	
	122	Work location	from Frame 16 to Frame 18

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
1	ABS1114B028D210	1	Hose	

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-41-000-002 Task 21-26-41-400-002
Fig. A-FBAAA	Sheet 01 - Replacement of the Transformer Rectifier Unit (TRU) Ventilation Hose.

- (a) Remove :

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

Refer to AMM Task 21-26-41-000-002

1	Hose	ABS1114B028D180 Item (1)	Discard
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(b) Install :

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

Refer to AMM Task 21-26-41-400-002

2	Clamp	Item (2)	Retained at removal
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D. TEST

(1) Subtask 211193-700-001-001 - Testing

References	
Aircraft Maintenance Manual (AMM)	Task 21-26-00-710-001 Task 21-26-42-400-002

(a) Job set-up.

1 Remove the safety clip and tags and close these circuit breakers :

and

or

and

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
123VU	AVNCS VENT/EXTC/FAN	2HQ	02AE	

or

PANEL	DESIGNATION	FIN	LOCATION	SEE NOTES
123VU	AVNCS VENT/EXTC/FAN	2HQ	04AC	

- 2 Do the close-up procedure as specified in the removal of the avionics equipment blowing and extraction ducts (Refer to AMM Task 21-26-42-400-002).

(b) Procedure

- 1 Do the operational test (Refer to AMM Task 21-26-00-710-001).

Do the check of leaks at the applicable connection.

NOTE: Leaks are not permitted.

E. CLOSE-UP

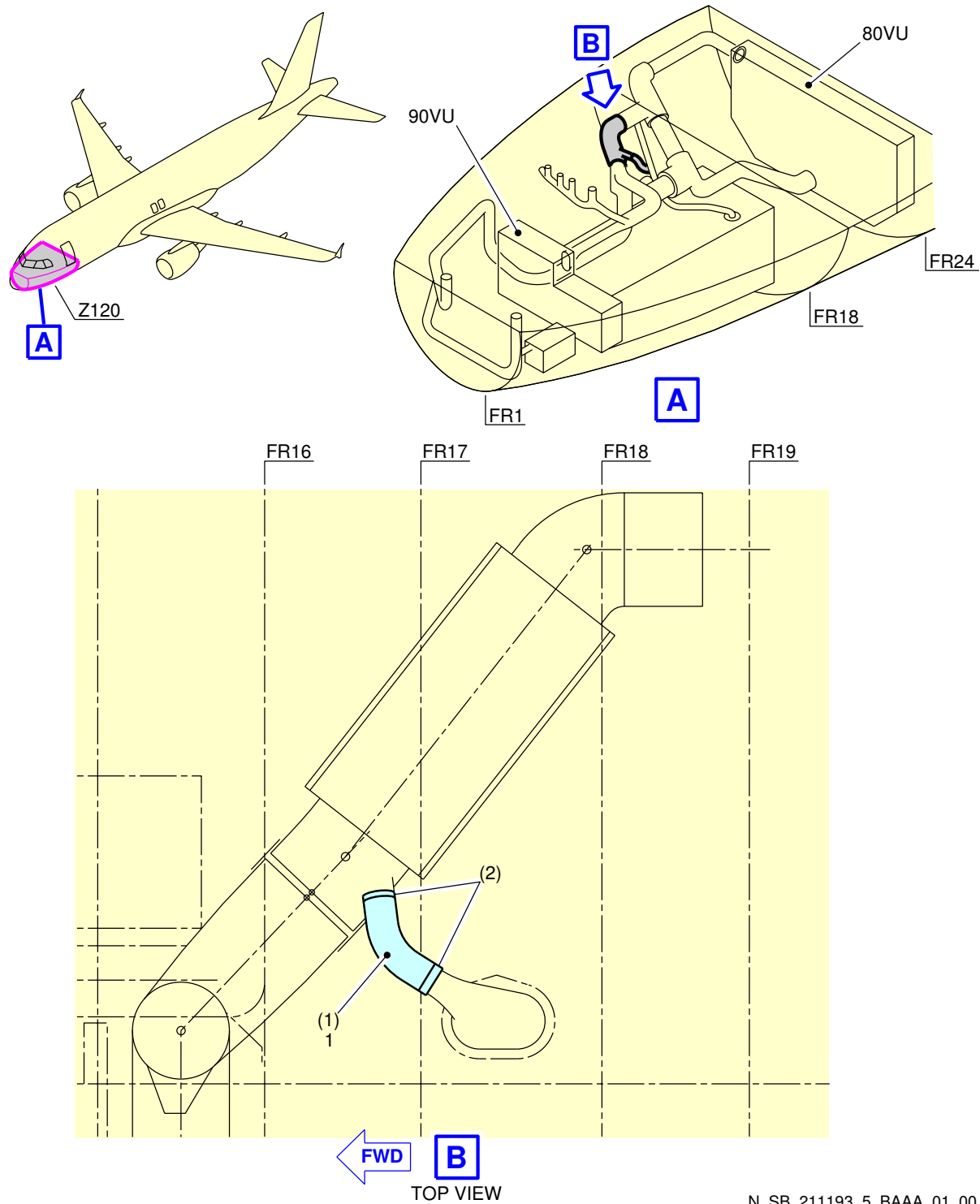
- (1) Subtask 211193-942-001-001 - Close-up

Manpower Resources	
Skills	NON SPECIFIC

References	
Aircraft Maintenance Manual (AMM)	Task 52-41-00-410-002

- (a) Make sure that the work areas are clean and clear of tools and other items of equipment.
- (b) Close the access door 824 (Refer to AMM Task 52-41-00-410-002).
- (c) Close the passenger/crew door(s).
- (d) Remove the access platform(s)
- (e) Restore the systems and the aircraft to normal operating condition.

****CONF ALL**



N_SB_211193_5_BAAA_01_00

Figure A-FBAAA - Sheet 01
Replacement of the Transformer Rectifier Unit (TRU) Ventilation Hose.

**TITLE: AIR CONDITIONING - AVIONICS EQUIPMENT VENTILATION -
UPGRADE TRU VENTILATION DUCT**

MODIFICATION No.: 150334P11623

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:

AIRBUS
CUSTOMER SERVICES DIRECTORATE
1 Rond Point Maurice Bellonte
31707 BLAGNAC CEDEX FRANCE

Attn: SDC32 Technical Data and Documentation Services
FAX: (+33) 5 61 93 28 06
e-mail: sb.reporting@airbus.com
or via your Resident Customer Support Office.

Alternatively, SB lists via letters or fax are also accepted.

SERVICE BULLETIN
QUALITY PERCEPTION FORM

Use this form to tell us what is your perception of the quality of this Service Bulletin. The reported data that you provide us will be used to analyse areas of difficulties and to take corrective action to further improve the quality of our Service Bulletins.

We thank you for the time you have taken in completing this form.

(Please rate on a scale of 1 to 4, with 4 being the highest score)

- Quality rating of this SB	4	3	2	1
- Quality rating of the Accomplishment Instructions	4	3	2	1
- Quality rating of the Illustrations	4	3	2	1
- Is this SB easy to understand ?	Y / N			

If you have had difficulties in the accomplishment of this SB please quote below the area(s) and give a short description of the issue.

Planning	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:

Please return this form to:

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FAX : (33) 5 61 93 42 51

Or via your Resident Customer Support Office.