A220

Service Bulletin Equipment/Furnishings – Emergency – Replacement of the Emergency Locator Transmitter (ELT) Antenna

BD500-256008
Issue No. 001

Copyright © 2021 Airbus Canada Limited Partnership

All rights reserved. No part of this work may be reproduced or copied in any form or by any means without written permission of Airbus Canada Limited Partnership.

The Airbus and A220 logos are registered trademarks of Airbus Canada Limited Partnership.

The information, technical data and the designs disclosed herein are the exclusive property of Airbus Canada Limited Partnership or contain proprietary rights of others and are not to be used or disclosed to others without the written consent of Airbus Canada Limited Partnership. The recipient of this document, by its retention and use, agrees to hold in confidence the technical data and designs contained herein. The foregoing shall not apply to persons having proprietary rights to such information, technical data or such designs to the extent that such rights exist.

Manufacturer:

AIRBUS

Airbus Canada Limited Partnership
Customer Services
13100 Henri-Fabre Blvd., Mirabel, Quebec
Canada J7N 3C6

Intentionally left blank

Table of contents

The listed documents are included in Issue 001, dated 2021-01-15, of this publication.

Document title	Data module code	Issue date	Applicable to
Equipment/Furnishings - Emergency - Replacement of the Emergency Locator Transmitter (ELT) Antenna - Service Bulletin	BD500-A-J25-60-08-00AAA-930A-A	2021-01-15	50010-54999, 55003-59999
Replacement of the Electronic Locator Transmitter (ELT) Antenna - Material information	BD500-A-J25-60-08-01AAA-934A-A	2021-01-15	50010-54999, 55003-59999
Replacement of the Electronic Locator Transmitter (ELT) Antenna - Accomplishment instruction	BD500-A-J25-60-08-01AAA-933A-A	2021-01-15	50010-54999, 55003-59999

Intentionally left blank

A220

Equipment/Furnishings - Emergency - Replacement of the Emergency Locator Transmitter (ELT) Antenna - Service Bulletin

Applicability: 50010-54999, 55003-59999

Table of contents

Page

Equipment/Furnishings - Emergency - Replacement of the Emergency Locator Transmitter (ELT) Antenna - Service Bulletin 1
References 1
Service Bulletin 1
Common information 1
1 Maintenance Publications 5
2 Operational Publications 5

List of tables

Page

1 References 1

References

Table 1 References

Data Module/Technical Publication	Title
BD500-A-J25-60-08-01AAA-934A-A	Replacement of the Electronic Locator Transmitter (ELT) Antenna - Material information
BD500-A-J25-60-08-01AAA-933A-A	Replacement of the Electronic Locator Transmitter (ELT) Antenna - Accomplishment instruction

Service Bulletin

Common information

THIS SERVICE BULLETIN IS SENT TO EACH OPERATOR. IF THE OPERATOR HAS LEASED AIRCRAFT, SEND THE SERVICE BULLETIN TO THE LESSEE. IF THE OPERATOR HAS SOLD AIRCRAFT OR TRANSFERRED SPARES IN THE LAST SIX MONTHS, SEND THIS SERVICE BULLETIN TO THE NEW OWNER, UNLESS CONFIRMATION WAS RECEIVED THAT AIRBUS HAS INCLUDED THE NEW OPERATOR ON THE DISTRIBUTION LIST.

Management information

Compliance category: Recommended (Service bulletin recommended to be accomplished to prevent significant operational disruptions)

Task category: Inspection and modification

Original issue date: 2021-01-15

Impact list

None

Accomplishment limits
Time compliance: Basic limit
Remarks:
Refer to the Compliance section of the Planning Information section.

Replacement service bulletin
None

Revision information
Initial issue

Summary

Applicability
BD-500-1A10, Aircraft 50010 thru 54999 that have a Gogo 2KU antenna radome with part number P23743-605 or P23743-606 installed.

BD-500-1A11, Aircraft 55003 thru 59999 that have a Gogo 2KU antenna radome with part number P23743-605 or P23743-606 installed.

Reason
The airflow aft of the Gogo wireless in-flight entertainment 2KU antenna radome with part number P23743-605 or P23743-606 can cause vibrations to the Emergency Locator Transmitter (ELT) antenna. If this occurs, it is possible for the ELT antenna to break and come off the fuselage.

Description
Replacement of the ELT Antenna.

The ELT antenna is removed and sent to Airbus Canada for an analysis. A Detail Visual Inspection (DVI) is done to the ELT antenna attachment area of the exterior fuselage panel for damage. A new ELT antenna is installed and an ELT system operational test is done.

Concurrent requirements
None

Manpower
It will take an estimated 4.00 h to complete this service bulletin.

Material information
BD500-A-J25-60-08-01AAA-934A-A

Planning information

Applicability
Aircraft affected:

AIRCRAFT MODEL	SERVICE AIRCRAFT SERIAL NUMBER	PRODUCTION AIRCRAFT SERIAL NUMBERS

BD-500-1A10	50010 thru 54999 that have a Gogo 2KU antenna radome with part number P23743-605 or P23743-606 installed.	1
BD-500-1A11	55003 thru 59999 that have a Gogo 2KU antenna radome with part number P23743-605 or P23743-606 installed.	1
1 There is no production effectivity.		

Note

The instructions in this service bulletin are only applicable to the systems and parts installed at the time of delivery of the aircraft or as changed by Airbus Service Bulletins. Before you do this service bulletin, examine all Supplemental Type Certificates (STCs), Supplemental Type Approvals (STAs), or equivalent action changes to make sure that you can complete this service bulletin.

Reason

Problem and effect

The airflow aft of the Gogo wireless in-flight entertainment 2KU antenna radome with part number P23743-605 or P23743-606 can cause vibrations to the Emergency Locator Transmitter (ELT) antenna. If this occurs, it is possible for the ELT antenna to break and come off the fuselage.

Objective/Solution

This service bulletin gives the procedure to inspect the ELT antenna attachment area on the exterior fuselage panel and to replace the ELT antenna. This will make sure that the ELT antenna operates correctly.

Description

Replacement of the ELT antenna

The ELT antenna is removed and sent to Airbus Canada for an analysis. A Detail Visual Inspection (DVI) is done to the ELT antenna attachment area of the exterior fuselage panel for damage. A new ELT antenna is installed and an ELT system operational test is done.

Compliance

Recommended Service Bulletin

For aircraft with an ELT antenna that has 3500 flight hours or more, Airbus recommends that this service bulletin be done at no more than 200 flight hours from the release date on this service bulletin, unless otherwise directed by the airworthiness authority of the operator.

For an ELT antenna that has 1650 flight hours or more but less than 3500 flight hours, Airbus recommends that this service bulletin be done at no more than 850 flight hours from the release date on this service bulletin or before the ELT antenna has 3700 flight hours whichever comes first, unless otherwise directed by the airworthiness authority of the operator.

For an ELT antenna that has less than 1650 flight hours, Airbus recommends that this service bulletin be done before the ELT antenna has 2500 flight hours, unless otherwise directed by the airworthiness authority of the operator.

Airbus recommends that this service bulletin be repeated at intervals of 2500 flight hours from the initial replacement, unless otherwise directed by the airworthiness authority of the operator.

Note

If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

Note

This service bulletin does not affect Airworthiness Limitations Items (ALIs) or Damage Tolerance Inspections (DTIs).

Concurrent requirements

None

Approval

The technical content of this service bulletin has been approved under the authority of the TC-CA Design Approval Organization No: DAO #19-Q-02.

Manpower

The man-hours given below are estimates for direct labor done by an experienced crew on an aircraft prepared for maintenance.

These estimates do not include the time necessary for:

- Administrative functions such as planning, liaising, familiarization, and report writing.
- Non-productive elapsed time such as rest time, having meals, and crew shift changes.
- Elapsed time such as for paint to dry, sealant to cure, and fuel tank venting.
- Preparation for modification (unless specified in the Accomplishment Instructions) such as cleaning and getting parts, tools, consumables, and ground equipment.
- Quality assurance inspections, troubleshooting and/or correction of discrepancies found when a task is done.
- All other activities that are not considered by Airbus as directly related to the accomplishment of this procedure.

It will take an estimated 4.00 h to complete this service bulletin. The man-hours are divided as shown in the table that follows:

TASK	MAN-HOURS
Job Set-Up	0.50 h
Procedure	2.50 h
Test	0.00 h
Job Close-Up	1.00 h

Weight and balance
Not changed

Electrical load data
Not changed

Referenced documentation
Refer to the SB Introduction document BD500-000000 for definition or explanation of service bulletin content.

For Airbus reference only: Restriction and/or Special Instruction (RSI) C-500-000-25-0034, Revision D

For Airbus reference only: PCR 60474

Documentation affected

1 Maintenance Publications

None

2 Operational Publications

None

Industry support information
For on-site labor assistance, please speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus.

Material information
BD500-A-J25-60-08-01AAA-934A-A

Accomplishment instructions
BD500-A-J25-60-08-01AAA-933A-A

Additional information

Additional information (Authored title: APPENDIX A)
DATA SHEET

AIRCRAFT MANUFACTURER SERIAL NUMBER:	
AIRCRAFT FLIGHT HOURS:	
ELT ANTENNA TOTAL TIME SINCE NEW:	
DATE OF REMOVAL:	

Send Appendix A to:

Attention Teymour Amirlatifi, Dept. 880, Airbus Canada, Mirabel A220

A220

13100 Henri-Fabre Boulevard
Mirabel, Quebec
Canada, J7N 3C6

A220

Replacement of the Electronic Locator Transmitter (ELT) Antenna - Material information

Applicability: 50010-54999, 55003-59999

Table of contents

Page

Replacement of the Electronic Locator Transmitter (ELT) Antenna - Material information..... 1
References..... 1
Service Bulletin..... 1

List of tables

Page

1 References..... 1

References

Table 1 References

Data Module/Technical Publication	Title
None	

Service Bulletin

Material set list

None

Support equipment list

For a list of support equipment, refer to the different data modules that are given as references in this service bulletin.

Supplies list

For a list of supplies, refer to the different tasks that are given as references in this service bulletin.

Spares list

The spares that follow are available from Satair:

Individual spare:

Part number [Mfg. code]	Name	Quantity	Remarks
51090344-1 [07217]	Antenna, ELT	1	

Individual spare:

Part number [Mfg. code]	Name	Quantity	Remarks
C01386150-001 [SW850]	Gasket, ELT antenna	1	

Procurement information:
Procurement address:

Name: For customers based in the Americas
Business unit:
Business unit name: Satair USA, Inc
525 Westpark Drive, Suite 400
Peachtree City, GA 30269
United States of America
Ph.: 1 404 675 6333
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in Europe, Middle East, Africa
Business unit:
Business unit name: Satair A/S
Amager Landevej 147A
2770 Kastrup
Denmark
Ph.: 45 3247 0100
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in the Asia Pacific (excluding mainland China)
Business unit:
Business unit name: Satair Pte Ltd
12 Seletar Aerospace Link
Singapore 797553
The Republic of Singapore
Ph.: 65 6543 0977
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Name: For customers based in mainland China
Business unit:
Business unit name: Satair (Beijing) Co. Ltd
Tian Zhu Lu 8, Tianzhu Airport Industrial Zone
Beijing 101312
People’s Republic of China
Ph.: 86 10 8048 6161
Please contact your Customer Order Specialist
https:/www.satair.com/market/search
CPHSB7X

Removed spares list

Individual removed spare:

Pre-SB Part number [Mfg. code]	Name	Qty	Usage	Post-SB Part number [Mfg. code]	Description (Repl. condition) [Repl. code]
51090344-1 [07217]	Antenna, ELT	1	Return to Vendor		

Removed spare set:

Pre-SB Part number [Mfg. code]	Name	Qty	Usage	Post-SB Part number [Mfg. code]	Description (Repl. condition) [Repl. code]
C01386150-001 [07217]	Gasket, ELT antenna	1	Discarded	C01386150-001 [07217]	[Refer to IPDP]

Intentionally left blank

A220

Replacement of the Electronic Locator Transmitter (ELT) Antenna - Accomplishment instruction

Applicability: 50010-54999, 55003-59999

Table of contents

Page

Replacement of the Electronic Locator Transmitter (ELT) Antenna - Accomplishment instruction 1
References 1
Preliminary requirements 2
Procedure 2
1 Job set-up 2
2 Procedure 3
3 Job close-up 5
4 Administrative 5
Requirements after job completion 5

List of tables

Page

1 References 1
2 Required conditions 2
3 Support equipment 2
4 Consumables, materials, and expendables 2
5 Spares 2
6 Required conditions 5

List of figures

Page

1 ELT Antenna - Replacement 4

References

Table 1 References

Data Module/Technical Publication	Title
BD500-A-J12-00-00-01AAA-398A-A	Standard configuration for maintenance - Aircraft system configuration
BD500-A-J25-62-05-01AAA-520A-A	Antenna - Remove procedure
BD500-A-J51-10-01-01AAA-018A-A	Visual inspection - Introduction
BD500-A-J51-10-06-00AAA-028A-A	Damage - General
BD500-A-J51-13-01-00AAA-913A-A	Defect and damage repair requests - General maintenance procedure
BD500-A-J25-62-05-01AAA-720A-A	Antenna - Install procedure

Preliminary requirements

Required conditions

Table 2 Required conditions

Action/Condition	Data Module/Technical publication
None	

Support equipment

Table 3 Support equipment

Name	Identification/Reference	Quantity	Remark
None			

Consumables, materials, and expendables

Table 4 Consumables, materials, and expendables

Name	Identification/Reference	Quantity	Remark
None			

Spares

Table 5 Spares

Name	Identification/Reference	Quantity	Remark
None			

Safety conditions

None

Procedure

1 Job set-up

Note

The steps in the Job set-up section of this service bulletin are recommended steps. The steps give a recommendation to get access to the work area. This

recommendation is to give a safe work area and to minimize possible damage to surrounding aircraft parts. Alternative steps can be used at the discretion of the operator.

1.1 Make sure that the aircraft is in standard configuration for maintenance (refer to AMP BD500-A-J12-00-00-01AAA-398A-A).

2 Procedure

2.1 If it is not possible to complete all the instructions in this service bulletin because of the configuration of the aircraft, speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

2.2 Replace the ELT antenna as follows:

Refer to Fig. 1

2.2.1 Remove the Emergency Locator Transmitter (ELT) antenna (1) (refer to AMP BD500-A-J25-62-05-01AAA-520A-A).

2.2.2 Enter the necessary information in Appendix A. Send Appendix A and the ELT antenna (1) to Airbus Canada at the address that follows:

Attention Teymour Amirlatifi, Dept. 880, Airbus Canada, Mirabel A220

13100 Henri-Fabre Boulevard

Mirabel, Quebec

Canada, J7N 3C6

2.2.3 Do a Detail Visual Inspection (DVI) of the exterior fuselage skin around the ELT antenna attachment holes for damage (refer to ANDTP BD500-A-J51-10-01-01AAA-018A-A and ASRP BD500-A-J51-10-06-00AAA-028A-A).

2.2.4 If the exterior fuselage skin adjacent to the ELT antenna attachment holes is damaged, do a damage report (refer to ASRP BD500-A-J51-13-01-00AAA-913A-A). Send the damage report to Airbus Canada at the address that follows and speak with a CRC representative at 1 866 A220 CRC (1-866-222-0272) or 1-450-476-7676 or e-mail at A220_crc@abc.airbus for analysis and to get an approved disposition to complete this service bulletin.

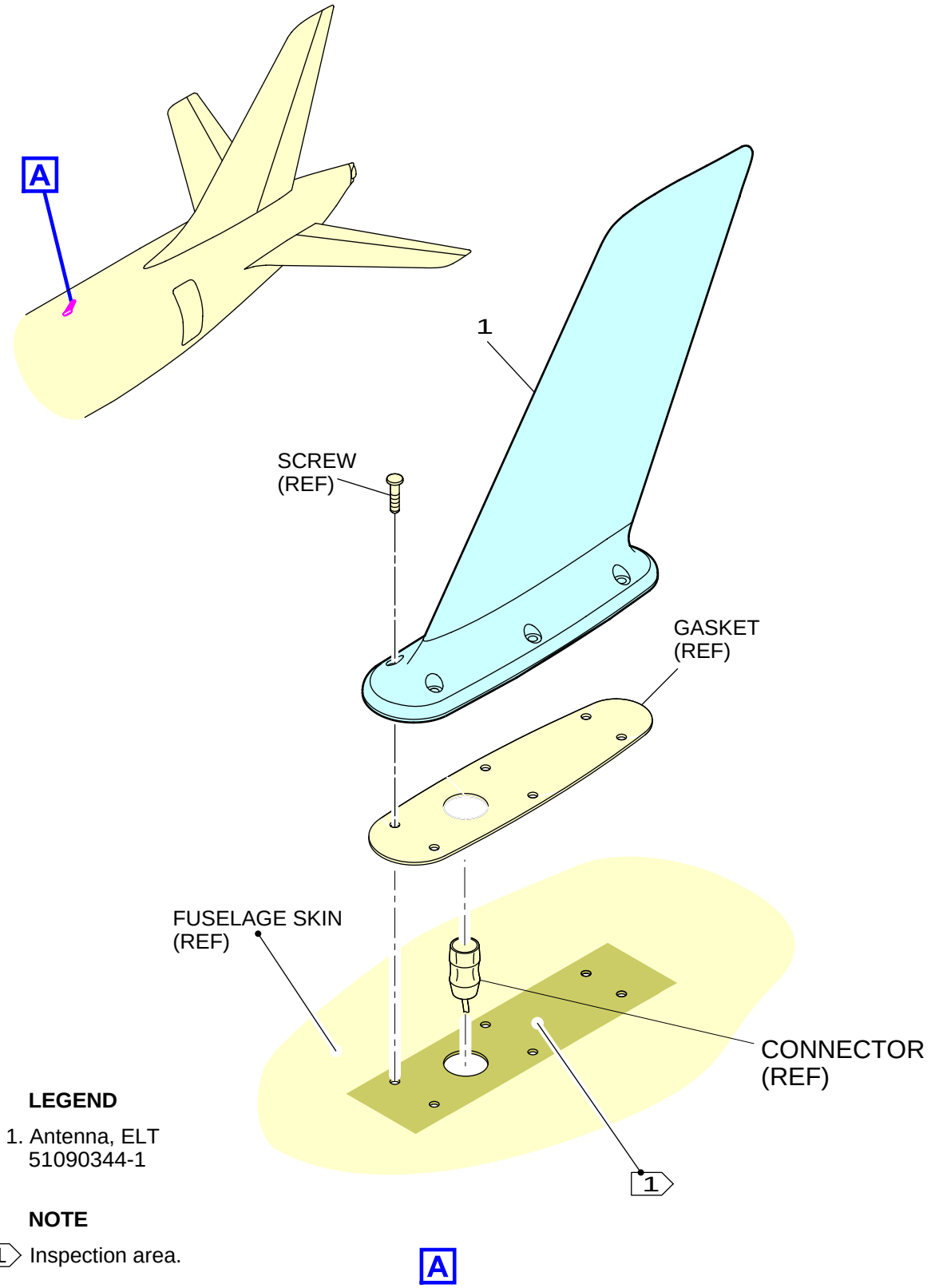
Attention Teymour Amirlatifi, Dept. 880, Airbus Canada, Mirabel A220

13100 Henri-Fabre Boulevard

Mirabel, Quebec

Canada, J7N 3C6

2.2.5 Install a new ELT antenna (1) (refer to AMP BD500-A-J25-62-05-01AAA-720A-A).



LEGEND

1. Antenna, ELT
   51090344-1

NOTE

1 Inspection area.

ICN-BD500-A-J256008-F-3AB48-65926-A-001-01

Figure 1 ELT Antenna - Replacement

3 Job close-up

Note

The steps in the Job close-up section of this service bulletin, except for the return-to-service tests, are recommended steps. The steps give a recommendation to install components removed during the Job set-up. This recommendation is to make sure that the aircraft is safe and ready to return to service. Alternative steps can be used at the discretion of the operator.

3.1 Remove all tools, equipment, and unwanted materials from the work area.

4 Administrative
When this service bulletin is completed, record in the applicable aircraft records that you have completed this service bulletin.

Requirements after job completion

Required conditions

Table 6 Required conditions

Action/Condition	Data Module/Technical publication
None	

Intentionally left blank