SERVICE BULLETIN ATR42

TRANSMITTAL SHEET

Revision No. 01

This page transmits Revision No. 01 of Service Bulletin No. ATR42-57-0074.

General information concerning this document is available in Service Letter No. ATR42-00-5009.

TITLE: Wings - Outer wing box - Inspection of upper rib feet from rib24 to rib29

© ATR. All rights reserved. Confidential and proprietary document.

This document shall not be reproduced or disclosed to a third party without the written consent of ATR. This document and its content shall not be used for any purpose other than that for which it is supplied.

ATR, its logo, the distinctive ATR aircraft profiles and patented information relating to the ATR aircraft are the exclusive property of ATR and are subject to copyright. This document and all information contained herein are the sole property of ATR. No intellectual property right is granted through, or induced by, the delivery of this document or the disclosure of its content.

1 – ADDITIONAL WORK

A- IMPACT ON PROCEDURE

The changes introduced by this Revision do not affect aircraft on which the present Service Bulletin has already been applied.

B- IMPACT ON COMPONENTS

Not applicable.

2 – TECHNICAL IMPACT ON REVISED PAGES

Layout changes due to computerization of this revision are not identified.

Page PI-1	- COMPLIANCE "RECOMMENDED" becomes "MANDATORY".
Pages PI-1 and PI-2	- Para. 1.A.(2), MSN 216 deleted, MSN 1214, 1216, 1217 and 1219 added.
Page PI-2	- Para. 1.B., "REASON" updated and Airworthiness Directive No. 2017-0244 added.
Page PI-3	- Para. 1.D., sentence updated.

3 – TABLE OF CONTENTS

TRANSMITTAL SHEET ..... Page TS-1 to TS-3

ACCOMPLISHMENT REPORT ..... Page AR-1 to AR-4

PLANNING INFORMATION ..... Page PI-1 to PI-4

MATERIAL INFORMATION ..... Page MI-1 to MI-1

ACCOMPLISHMENT INSTRUCTIONS ..... Page AI-1 to AI-1

TYPE DESIGN RECOVERING ..... None

ILLUSTRATIONS ..... None

© ATR. All rights reserved. Confidential and proprietary document.

4 – REVISION SEQUENCES

Issue or Revision	Date	Additional work
Original issue Revision No. 01	Oct 19/17 Jan 08/18	- No

© ATR. All rights reserved. Confidential and proprietary document.

SERVICE BULLETIN ATR42

ACCOMPLISHMENT REPORT

SERVICE BULLETIN No. ATR42-57-0074

Revision No. 01

Send this report to:

ATR RETROFIT ENGINEERING
1 ALLEE PIERRE NADOT
31712 BLAGNAC CEDEX
FRANCE
phone : +33 (0)5 62 21 62 21
fax : +33 (0)5 62 21 69 41
e-mail : techdesk@atr-aircraft.com

Aircraft identification

Aircraft MSN (on which this Service Bulletin has been accomplished):

Aircraft registration number:

Number of flights:

Flight hours:

Accomplishment date of this Service Bulletin:

© ATR. All rights reserved. Confidential and proprietary document.

Inspection results

Tick (✓) the appropriate box

(1) At level of the LH outer wing box

	YES	NO
a) Is there crack or other discrepancy found during the inspection?	☐	☐

b) If "YES", report in the table below (tick) the location of the crack or discrepancy.

LH OUTER WING BOX						
RIB	**24**	**25**	**26**	**27**	**28**	**29**
FRONT SPAR/ STIFFENER 4						
STIFFENER 4/5						
STIFFENER 5/6						
STIFFENER 6/7						
STIFFENER 7/8						
STIFFENER 8/9						
STIFFENER 9/10						
STIFFENER 10/ REAR SPAR						

© ATR. All rights reserved. Confidential and proprietary document.

(2) At level of the RH outer wing box

	YES	NO
a) Is there crack or other discrepancy found during the inspection?	☐	☐

b) If "YES", report in the table below (tick) the location of the crack or discrepancy.

RH OUTER WING BOX						
RIB	**24**	**25**	**26**	**27**	**28**	**29**
FRONT SPAR/ STIFFENER 4						
STIFFENER 4/5						
STIFFENER 5/6						
STIFFENER 6/7						
STIFFENER 7/8						
STIFFENER 8/9						
STIFFENER 9/10						
STIFFENER 10/ REAR SPAR						

(3) If cracks or other discrepancies found, provide a mapping, pictures and location of each discrepancy.

© ATR. All rights reserved. Confidential and proprietary document.

(4) Additional details:

_____

_____

_____

Maintenance organisation identification

Maintenance organisation name:

Name & Signature:

Date:

© ATR. All rights reserved. Confidential and proprietary document.

SERVICE BULLETIN ATR42

COMPLIANCE: MANDATORY INSPECTION: 006/2017

TITLE: Wings - Outer wing box - Inspection of upper rib feet from rib24 to rib29

1. PLANNING INFORMATION

A. EFFECTIVITY

(1) Aircraft models

ATR42-200	ATR42-300	ATR42-320	ATR42-400	ATR42-500
YES	YES	YES	YES	YES

(2) Aircraft

MSN	Kit(s)
004, 005, 009, 010, 011, 013, 014, 016, 020, 021, 023, 024, 025, 031, 032, 036, 038, 041, 042, 043, 045, 047, 049, 051, 052, 057, 058, 059, 061, 062, 063, 066, 067, 069, 078, 079, 081, 088, 091, 093, 095, 096, 107, 112, 113, 116, 117, 118, 119, 120, 121, 122, 123, 125, 128, 130, 131, 132, 133, 135, 136, 138, 139, 141, 142, 143, 149, 151, 155, 158, 159, 170, 172, 173, 179, 190, 193, 194, 196, 197, 199, 200, 202, 203, 205, 206, 209, 211, 214, 218, 221, 226, 228, 230, 231, 235, 236, 238, 240, 242, 243, 245, 247, 250, 252, 254, 255, 257, 262, 264, 266, 269, 273, 275, 277, 278, 280, 282, 284, 286, 287, 291, 293, 295, 296, 298, 300, 304, 306, 308, 310, 312, 314, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 340, 343, 346, 348, 351, 354, 358, 360, 363, 366, 368, 374, 376, 378, 380, 384, 388, 390, 392, 394, 397, 400, 403, 406, 409, 412,	None

© ATR. All rights reserved. Confidential and proprietary document.

MSN (continued)	Kit(s)
415, 443, 445, 457, 462, 466, 471, 474, 476, 480, 484, 487, 490, 491, 495, 497, 500, 501, 502, 503, 504, 506, 507, 510, 511, 512, 513, 514, 515, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 537, 539, 542, 544, 546, 549, 551, 554, 556, 559, 561, 564, 566, 569, 571, 574, 576, 579, 581, 584, 586, 589, 591, 594, 596, 599, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 625, 627, 629, 631, 633, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 665, 667, 669, 671, 673, 675, 689, 691, 693, 695, 800, 801, 802, 803, 804, 807, 815, 819, 823, 827, 831, 835, 839, 844, 849, 854, 859, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1016, 1017, 1018, 1019, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219	None

For each aircraft MSN, operator should order the mentioned kit(s).
Other parts or equipment could be required for embodiment of this Service Bulletin.
Please refer to chapter "MATERIAL INFORMATION" for details.

(3) Spares

The following stock items are modifiable (or not) according to the table below.

None.

B. REASON

Cracks have been reported on in-service aircraft. The occurences were located at level of upper feet of the typical sheet metal ribs framing the outer wing box. These damage, if not detected and corrected, could propagate to the adjacent skin panel at rib/panel junction and could adversely affect the structural integrity of the airplane.

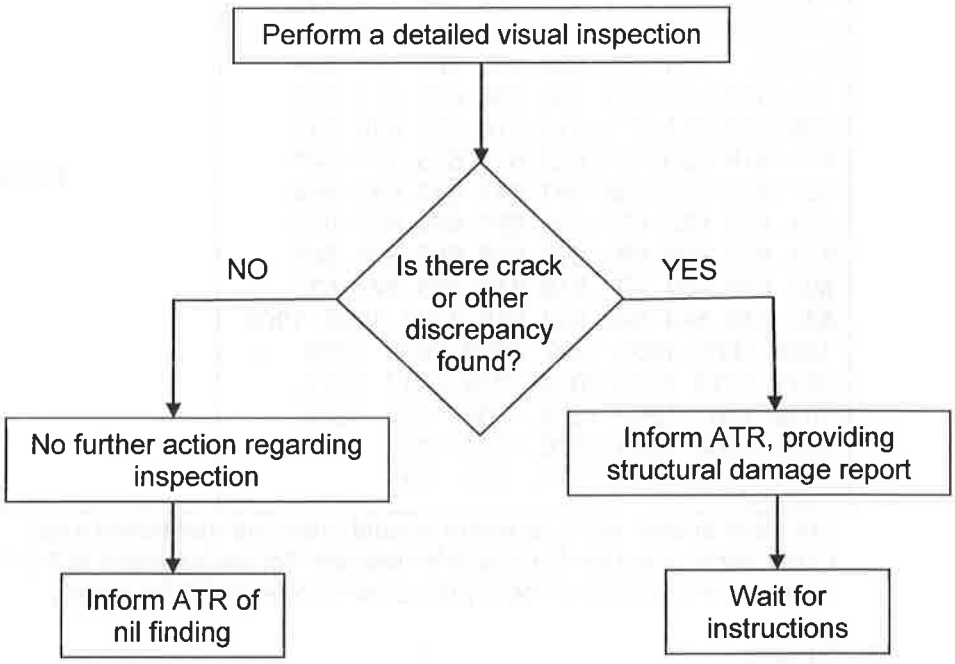
The aim of this Service Bulletin is to inspect these areas and to report the results to ATR.

COMPLIANCE: Accomplishment of this Service Bulletin is mandatory.
The Airworthiness Directive No. 2017-0244 has been issued by EASA.

© ATR. All rights reserved. Confidential and proprietary document.

C. DESCRIPTION

The following flowchart presents the work to be done in a simplified way, details are described in paragraphs "ACCOMPLISHMENT INSTRUCTIONS".



D. APPROVAL

The technical content of this document (Rev. No. 01) is approved under the authority of DOA ref. EASA.21J.044.

E. MANPOWER

	Manhours
Mechanic	6
Electrician	None
Total manhours	**6**
Elapsed time (hours)	**3**

© ATR. All rights reserved. Confidential and proprietary document.

The above estimates are only provided for general guidance in operator's modification planning.

NOTE: This Service Bulletin assumes that the aircraft has been placed in the appropriate maintenance configuration. The manhours/elapsed time estimates do not include preparation for the inspection, non-productive elapsed time or administrative functions.

F. WEIGHT AND BALANCE

None.

G. REFERENCES

The following publications have to be used during accomplishment of this Service Bulletin:

AMM (JIC): 57-21-00 DVI 10000

H. AFFECTED PUBLICATIONS

(1) Maintenance documentation

None.

(2) Operational documentation

None.

© ATR. All rights reserved. Confidential and proprietary document.

2. MATERIAL INFORMATION

A. MATERIAL - COST AND AVAILABILITY

None.

B. LIST OF COMPONENTS

None.

C. LIST OF MATERIALS - OPERATOR SUPPLIED

None.

D. SPECIAL TOOLS

Accomplishment of this Service Bulletin requires use of the following special tools:

None.

© ATR. All rights reserved. Confidential and proprietary document.

3. ACCOMPLISHMENT INSTRUCTIONS

A. GENERAL

The following instructions assume that work will be accomplished when the aircraft is in the appropriate maintenance configuration.

B. JOB SET-UP

None.

C. INSPECTION

NOTE: During accomplishment of this Service Bulletin, fill the enclosed Accomplishment Report and send it to the address mentioned on the Accomplishment Report.

(1) In zones 523 and 623, inspection of outer wing boxes.

On LH and RH wings, perform a detailed visual inspection as per AMM (JIC) 57-21-00 DVI 10000.

D. TESTS

Verify that tests required by maintenance document AMM (JIC) 57-21-00 DVI 10000 mentioned on previous paragraph "INSPECTION" have been performed.

E. CLOSE-UP

None.

© ATR. All rights reserved. Confidential and proprietary document.