

The information and instructions contained in this document have been produced in accordance with alternative procedure to DOA EASA AP058.

KIT MOUNTING BRACKET COMPACT**STRAP REPLACEMENT****1. PLANNING INFORMATION****A. Effectivity**

This Service Bulletin is applicable to a limited number of KIT MOUNTING BRACKET COMPACT manufactured by Orolia S.A.S., whose serial numbers are listed in Annex as indicated below:

P/N	DESIGNATION	S/N
S1840502-01	KIT MOUNTING BRACKET COMPACT	Refer to 4 ANNEX 1 – List of concerned KIT MOUNTING BRACKET COMPACT

B. Concurrent Requirement

N/A

C. Reason

KIT MOUNTING BRACKET COMPACT is equipped with self-stripping strap (hook and loop) fitted with a metal buckle. Orolia's KIT MOUNTING BRACKET COMPACT approved definition, in accordance with ETSO and TSO approvals, are fitted with Self-stripping Strap (P/N S1820512-01) having 4 mm diameter metal buckles. Orolia's quality control has discovered that, in 2019, a limited number of self-stripping straps were manufactured with 2.7 mm diameter buckles which is not compliant with the approved definition.

D. Description

This Service Bulletin describes how to replace the Self-stripping Strap (P/N S1820512-01) from the KIT MOUNTING BRACKET COMPACT listed in [4 ANNEX 1 – List of concerned KIT MOUNTING BRACKET COMPACT](#) when installed onboard. KIT MOUNTING BRACKET COMPACT listed in [4 ANNEX 1 – List of concerned KIT MOUNTING BRACKET COMPACT](#) which is in stock must be returned to manufacturer.

E. Compliance

Mandatory

KIT MOUNTING BRACKET COMPACT in stock must be returned to manufacturer for correction under Part 21.

Analysis by analogy: The 2.7 mm diameter buckles used in this S1820512-01 is also used and approved in the Self stripping Strap of the S1840502-02 UNIVERSAL MOUNTING BRACKET in similar installation configuration with the same ELTs.

So, the risk is classified as low taking into consideration the use of an unappropriated size of buckle which is used in another bracket design for the same application.

However, Self-stripping Straps (P/N S1820512-01) from the KIT MOUNTING BRACKET COMPACTs listed in [4 ANNEX 1 – List of concerned KIT MOUNTING BRACKET COMPACT](#) remain non-compliant with the approved definition of P/N S1840502-01 and shall be replaced.

This Service Bulletin must be accomplished before June 30th, 2020.

F. Approval

Once the Self-stripping Strap is replaced, this Service Bulletin does not contain any modification information that revises the approved definition and therefore does not require governmental or other regulatory agency approval.

G. Manpower

Onboard standard exchange of Self-stripping Strap (P/N S1820512-01) from KIT MOUNTING BRACKET COMPACT: less than 15 minutes once access gained to the ELT location.

H. Weight and Balance

None.

I. Electrical Load Data

Not Changed.

J. Software Accomplishment Summary

N/A.

K. References

ACMM 25-63-29

DOC07089H 406 AF COMPACT Initial Installation Manual

DOC08038F 406 AF COMPACT Operation Manual

DOC09078F Operation Manual AF_AF-H INTEGRA ELTs

DOC09079F Operation Manual AP_AP-H INTEGRA ELTs

DOC09081F Initial Installation Manual AF_AF-H INTEGRA ELTs

DOC09082F Initial Installation Manual AP_AP-H INTEGRA ELTs

L. Other Publications Affected

None.

M. Interchangeability

One-way

2. MATERIAL INFORMATION**A. Material - Price and Availability**

Replacement Strap SB S1840502-01-25-01 (P/N 1002444) with Self-stripping Strap (P/N S1820512-01), Inspection Control Label (P/N 1002445) and DOC19063A Scrapping Certificate S1820512-01 (P/N 1002446) DOC19063A: supplied by Orolia SAS.

Price: free of charge

Orolia S.A.S. commits to provide the replacement kit free of charge in less than 2 weeks (transport not included)

B. Industry Support Information

Orolia S.A.S. will provide this replacement free of charge and endorse the cost of transport both ways subject to prior approval and instructions from Orolia S.A.S.

Any other cost related to this replacement such as removal, administrative, aircraft grounded, loss of earnings, etc. cannot be claimed to Orolia S.A.S.

C. Material Necessary for Each Component

N/A.

D. Material Necessary for Each Spare

N/A

E. Re-identified Parts

No Part Number evolution.

Identification of Service Bulletin Accomplishment Instructions will be performed thanks to inspection control box ticked on a new inspection label (provided) to affix onto the side of the Mounting Bracket (Refer to Section 3.A(4) Instruction to Affix the Inspection Control Label).

F. Tooling - Price and Availability

N/A.

3. ACCOMPLISHMENT INSTRUCTIONS

A. FOR KITS IN STOCK – LRU Part 21

Under PART 21, for Kits in stock, please retrieve the KIT MOUNTING BRACKET COMPACT and contact either your distributor or Orolia's Customer Support to obtain a Return Material Authorization (RMA) number in order to return the complete KIT MOUNTING BRACKET COMPACT to either your distributor or Orolia S.A.S..

Refer to Section C of this Service Bulletin for Orolia S.A.S. contact information.

B. FOR KITS IN STOCK – LRU Part 145 (0 hours) Alternative

As an alternative, Approved Maintenance Station under PART 145 may proceed with the replacement of the Self-Stripping Strap in the Kit instead of the return of the full Kit.

- (1)** Instruction of the identification of the S/N of the KIT MOUNTING BRACKET COMPACT:
1. Look through the transparent plastic envelope.
 2. Check the S/N of the KIT MOUNTING BRACKET COMPACT against the list in Annex 4: the S/N is visible on the inside of the Mounting Bracket as shown on Figure 6.
- (2)** Instructions for Removing the Self-stripping Strap (P/N S1820512-01)
1. Cut the top of the plastic envelope of the Kit neatly with a cutter or a pair of scissors immediately bellow the seam.
 2. Remove the Self-stripping Strap from the Kit envelope.
- (3)** Instruction for Replacing the Self-stripping Strap (P/N S1820512-01)
1. Get the replacement Self-stripping Strap.
 2. Insert it inside the Kit envelope.
- (4)** Instruction to Affix Inspection Control Label
- Refer to Section 3.C(4).
- (5)** Instruction to Dispose of Self-stripping Strap (P/N S1820512-01)
- Refer to Section 3.C(5).
- (6)** Instruction to seal the Kit envelope
1. Make sure all the items of the Kit are inside the envelope.
 2. Seal the envelope with a heat sealer as near the top as possible.

C. FOR KITS INSTALLED ONBOARD

CAUTION: When actioning the ON/OFF/ARM switch, PULL LEVER TO UNLOCK and SET TO POSITION.

IMPORTANT:

The replacement of the Self-Stripping Strap should be possible without ELT and Mounting Bracket removal. If removal of the ELT or Mounting Bracket is necessary, refer to the instructions in the relevant manual found in Section K References of this Service Bulletin.

(1) Instructions for Removing the Self-stripping Strap (P/N S1820512-01)

1. Switch the ELT to "OFF" to avoid potential false alert - refer to Figure 1.
2. Unfasten the Self-stripping Strap and lay it flat.
3. Firmly pull on the buckle to disengage the strap and slide it out of under the Mounting Bracket.

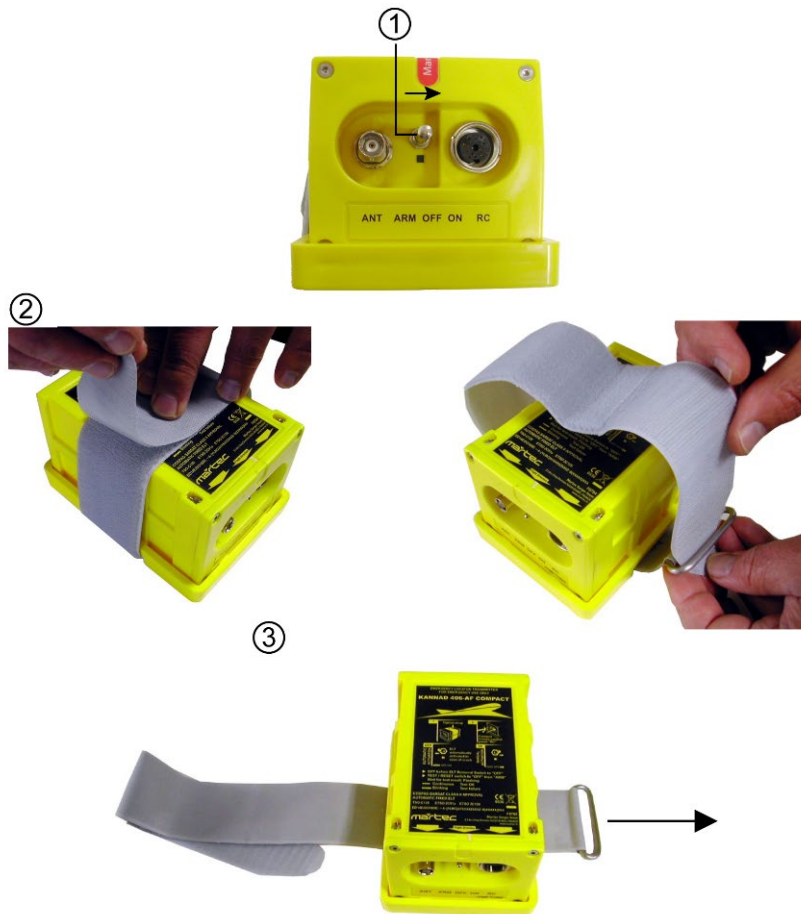


Figure 1: Self-stripping Strap Removal

- (2) Instruction of the identification of the S/N of the KIT MOUNTING BRACKET COMPACT
1. Lift the ELT from the Mounting Bracket, it should be possible without disconnection.
 2. Compare the S/N of the KIT MOUNTING BRACKET COMPACT with the list in Annex 4: the S/N is visible on the inside of the Mounting Bracket without removal as shown on Figure 2. This S/N shall be declared to Orolia.



Figure 2: Identification of the Mounting Bracket

- (3) Instruction for Replacing the Self-stripping Strap (P/N S1820512-01)
1. Get the replacement Self-stripping Strap.
 2. Fit the self-stripping strap back on the bracket by sliding it underneath in the dedicated slot.
 3. Check that the ELT is fitted on the bracket "Flight direction" arrow pointed towards the front of the aircraft.
 4. Slide the self-stripping strap through the buckle until white retaining strap fastener grips the self-grip fastener underneath the bracket.

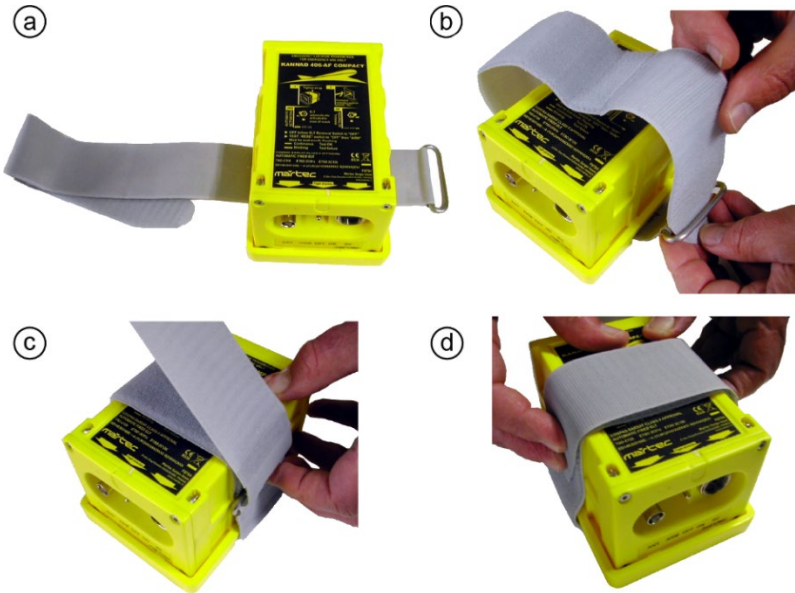


Figure 3: Securing the ELT

5. Ensure the buckle is correctly positioned (indifferently on right or left side of ELT) regarding the horizontal center line of ELT and firmly adjust and tighten the retaining strap – refer to Figure 4: Buckle position.

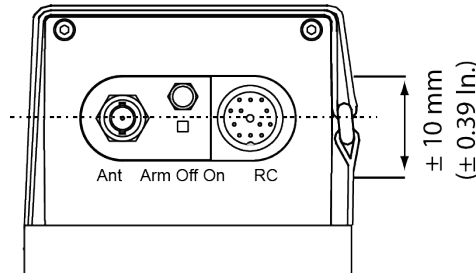


Figure 4: Buckle position

IMPORTANT: Once installed in the mounting bracket, the installer must be sure that the transmitter is firmly attached in its bracket by trying to extract it manually, thereby verifying there is no play and that it remains attached when extraction from the bracket is attempted.

CAUTION: “Caution: an incorrect tightening of the hook and loop fastener could lead to an unsafe situation preventing the transmission of the distress message by the ELT.”

6. Set the ELT back to the initial configuration.
- (4) Instruction to Affix the Inspection Control Label

An inspection control label has been provided with the Self-stripping Strap – Refer to Figure 5.

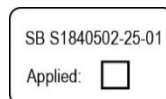


Figure 5: Inspection Control Label for SB S1840502-25-01

1. Get the inspection control label provided.
2. Stick the inspection control label on the side of the mounting bracket.

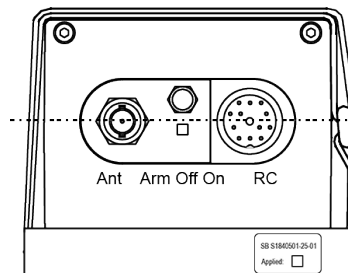


Figure 6: Inspection Control Label on Mounting Bracket - Example

3. Tick the box “Applied” with a permanent marker once the Self-stripping Strap is replaced.

(5) Instruction to dispose of Self-stripping Strap (P/N S1820512-01)

These self-stripping strap (P/N S1820512-01) shall either be:

- returned to the distributor or Orolia S.A.S. to be scrapped at the below address or
- scrapped by the Aircraft Operators or owners if they return a "Scrapping Certificate" (refer to ANNEX 2 – SCRAPPING CERTIFICATE DOC19063B) to either the distributor or Orolia S.A.S.

Refer to Section C of this Service Bulletin for contact information.

D. CONTACT:

Orolia S.A.S. Customer Service

Zone Industrielle des Cinq Chemins CS10028

56520 GUIDEL

FRANCE

E-mail: support@orolia.com

Tel.: +33 (0)2 97 02 49 00.

4. ANNEX 1 – List of concerned KIT MOUNTING BRACKET COMPACT

KIT MOUNTING BRACKET COMPACT P/N S1840502-01				
S/N	S/N (continued)	S/N (continued)	S/N (continued)	S/N (continued)
LX1100909054	LX1101068342	LX1101110081	LX1101111200	LX1101111230
LX1100909055	LX1101068343	LX1101110083	LX1101111201	LX1101111231
LX1100909056	LX1101068344	LX1101110084	LX1101111202	LX1101111232
LX1100909057	LX1101068345	LX1101110085	LX1101111203	LX1101111233
LX1100909058	LX1101068346	LX1101110086	LX1101111204	LX1101111234
LX1100909059	LX1101068347	LX1101110087	LX1101111205	LX1101111235
LX1100909060	LX1101068348	LX1101110088	LX1101111206	LX1101111236
LX1100909061	LX1101068349	LX1101110089	LX1101111207	LX1101111237
LX1100909062	LX1101068350	LX1101110090	LX1101111208	LX1101111238
LX1100909063	LX1101068351	LX1101110091	LX1101111209	LX1101111239
LX1100909064	LX1101068352	LX1101110092	LX1101111210	LX1101111240
LX1100909065	LX1101068353	LX1101110093	LX1101111211	LX1101111241
LX1100909066	LX1101068354	LX1101110094	LX1101111212	LX1101111242
LX1100909067	LX1101068355	LX1101110095	LX1101111213	LX1101111243
LX1100909068	LX1101068356	LX1101110096	LX1101111214	LX1101111244
LX1100909069	LX1101068357	LX1101110097	LX1101111215	LX1101111245
LX1100909070	LX1101068358	LX1101110098	LX1101111216	LX1101111246
LX1100909071	LX1101068359	LX1101110099	LX1101111217	LX1101111247
LX1100909072	LX1101068360	LX1101110100	LX1101111218	LX1101111248
LX1100909073	LX1101068361	LX1101110101	LX1101111219	LX1101111249
LX1100909074	LX1101068362	LX1101110102	LX1101111220	LX1101111250
LX1100909075	LX1101068363	LX1101110103	LX1101111221	LX1101111251
LX1100909076	LX1101068364	LX1101110104	LX1101111222	LX1101111252
LX1100909077	LX1101068365	LX1101110105	LX1101111223	LX1101111253
LX1100909078	LX1101068366	LX1101110106	LX1101111224	LX1101111254
LX1100909079	LX1101068367	LX1101110107	LX1101111225	LX1101111255
LX1100909080	LX1101068368	LX1101110108	LX1101111226	LX1101111256
LX1100909081	LX1101068369	LX1101110109	LX1101111227	LX1101111257
LX1100909082	LX1101068370	LX1101110110	LX1101111228	LX1101111258
LX1100909083	LX1101068371	LX1101111199	LX1101111229	LX1101111262

KIT MOUNTING BRACKET COMPACT P/N S1840502-01 (continued)

S/N	S/N (continued)	S/N (continued)	S/N (continued)	S/N (continued)
LX1101112526	LX1101113471	LX1101113487	LX1101114206	LX1101114222
LX1101112528	LX1101113472	LX1101113488	LX1101114207	LX1101114223
LX1101112531	LX1101113473	LX1101113489	LX1101114208	LX1101114224
LX1101112534	LX1101113474	LX1101113490	LX1101114209	LX1101114225
LX1101112536	LX1101113475	LX1101113491	LX1101114210	LX1101114226
LX1101112539	LX1101113476	LX1101113492	LX1101114211	LX1101114227
LX1101112540	LX1101113477	LX1101113493	LX1101114212	LX1101114228
LX1101112546	LX1101113478	LX1101113494	LX1101114213	LX1101114229
LX1101112548	LX1101113479	LX1101113495	LX1101114214	End of list
LX1101112549	LX1101113480	LX1101113496	LX1101114215	
LX1101112552	LX1101113481	LX1101114200	LX1101114216	
LX1101112554	LX1101113482	LX1101114201	LX1101114217	
LX1101112555	LX1101113483	LX1101114202	LX1101114218	
LX1101113468	LX1101113484	LX1101114203	LX1101114219	
LX1101113469	LX1101113485	LX1101114204	LX1101114220	
LX1101113470	LX1101113486	LX1101114205	LX1101114221	



MANDATORY

SERVICE BULLETIN

Kannad Emergency Locator Transmitter

5. ANNEX 2 – SCRAPPING CERTIFICATE DOC19063B

Please turn over

Date : MAR. 25/2020
Rev. : 02

S1840502-25-01

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**SCRAPPING CERTIFICATE
FOR SB S1840502-25-01**

REF.: DOC19063
Index: B
DATE: MAR. 23/2020

SCRAPPING DECLARATION

The articles mentioned below do not longer satisfy the acceptance conditions specified in its definition file and are not repairable in accordance with the after sales procedure applicable.

These articles are classified as unsalvageable and as such are unserviceable. They shall be mutilated in such a manner that they become permanently unusable for their originally intended use.

Orolia recommends cutting these articles before disposal.

Name of article :	Self-stripping Strap	Qty: (1 to 10)	
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Traceability:

Please record the S/N of the modified KIT MOUNTING BRACKET COMPACT in the S/N field below.

	KIT MOUNTING BRACKET COMPACT P/N S1840502-01 S/N:
Self-stripping Strap P/N S1820512-01 from:	
Self-stripping Strap P/N S1820512-01 from:	
Self-stripping Strap P/N S1820512-01 from:	
Self-stripping Strap P/N S1820512-01 from:	
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Self-stripping Strap P/N S1820512-01 from:	
Self-stripping Strap P/N S1820512-01 from:	
Self-stripping Strap P/N S1820512-01 from:	

NAME:

VISA:

DATE:

Function:



MANDATORY

SERVICE BULLETIN

Kannad Emergency Locator Transmitter

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