



# 適航指令發布單

## Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2025-01-019緊急	發布日期 Date issued	2025/01/23												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Virus SW 121, SW 121A, SW 121C and Virus SW 128 aeroplanes, all serial numbers (s/n) as listed in the Pipistrel Vertical Solutions d.o.o. (PVS) Service Bulletin (SB) SB-121-00-80-028 Issue A02.														
主旨摘要 Subject	Flight Controls - Flaperon Bellcrank Bolt - Inspection														
民航局 CAA  <input type="radio"/> 本國產品 Native product  <input type="radio"/> 其他個案 Other	設計國民航主管機構 Original Authority  <table><tr><td><input type="radio"/> FAA</td><td><input type="radio"/> Germany LBA</td></tr><tr><td><input checked="" type="radio"/> EASA</td><td><input type="radio"/> CAA-NL</td></tr><tr><td><input type="radio"/> Brazil</td><td><input type="radio"/> UK CAA</td></tr><tr><td><input type="radio"/> Transport Canada Civil Aviation</td><td><input type="radio"/> Japan CAB</td></tr><tr><td><input type="radio"/> DGAC</td><td><input type="radio"/> CAA of Israel</td></tr><tr><td></td><td><input type="radio"/> Other_____</td></tr></table>			<input type="radio"/> FAA	<input type="radio"/> Germany LBA	<input checked="" type="radio"/> EASA	<input type="radio"/> CAA-NL	<input type="radio"/> Brazil	<input type="radio"/> UK CAA	<input type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB	<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel		<input type="radio"/> Other_____
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<input type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB														
<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel														
	<input type="radio"/> Other_____														
	設計國AD編號 Original AD number	2025-0023-E													
	1. 直接採用原AD之內容? (Is the original AD directly adopted?) <input checked="" type="radio"/> 是(Yes) <input type="radio"/> 否(No)_ a. 生效日期另訂為(Re-specify the effective date as): b. 執行時限另訂為(Re-specify the compliance time or period as): 2. 使用人是否需要將AD執行結果向民航局提出報告? (Do users need to report the status of compliance to the CAA?) <input type="radio"/> 需要(Yes) <input checked="" type="radio"/> 不需要(No)														
備註 Note	This AD supersedes EASA AD 2023-0079-E(CAA-2023-04-009緊急) dated 14 April 2023.														

註： 1. AD內容後附。  
2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。  
3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464,  
[adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)

Note： 1. The AD text is enclosed.  
2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval.  
3. For further information, please contact Civil Aviation Administration on Tel：(02)2349-6330 / 6332,  
Fax：(02)2545-8464, [adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)



# Emergency Airworthiness Directive

**AD No.:** 2025-0023-E

**Issued:** 22 January 2025

Note: This Emergency Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I Part M.A.301, or Annex Vb Part ML.A.301, as applicable, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I Part M.A.303, or Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

## Design Approval Holder's Name:

PIPISTREL VERTICAL SOLUTIONS d.o.o.

## Type/Model designation(s):

Virus SW 121 aeroplanes

**Effective Date:** 24 January 2025

**TCDS Number(s):** EASA.A.573

**Foreign AD:** Not applicable

**Supersedure:** This AD supersedes EASA AD 2023-0079-E dated 14 April 2023.

## ATA 27 – Flight Controls – Flaperon Bellcrank Bolt – Inspection

### Manufacturer(s):

Pipistrel d.o.o.

### Applicability:

Virus SW 121, SW 121A, SW 121C and Virus SW 128 aeroplanes, all serial numbers (s/n) as listed in the Pipistrel Vertical Solutions d.o.o. (PVS) Service Bulletin (SB) SB-121-00-80-028 Issue A02.

### Definitions:

For the purpose of this AD, the following definitions apply:

**The SB1:** PVS SB SB-121-00-80-028 Issue A02.

**The SB2:** PVS SB SB-121-00-80-031 Issue A01.

**Groups:** Group 1 aeroplanes are those having s/n VSW121A0151 to VSW121A0163 inclusive. Group 2 aeroplanes are those that are not Group 1.

Note 1: Group 1 aeroplanes were not included in the Applicability of EASA AD 2023-0079-E.



**Reason:**

Occurrences were reported of flaperon bellcrank bolt found loose. Subsequent investigation identified an incorrect installation in the production line as a possible root cause.

This condition, if not detected and corrected, could lead to malfunction of the control stick, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, PVS issued the SB SB-121-00-80-028 at original issue, to provide applicable instructions, and EASA published AD 2023-0079-E to require reinstalling the flaperon bellcrank bolt.

Since that AD was issued, it has been confirmed that additional s/n must be added to the Applicability, and PVS published the SB1, addressing this new development.

For the reason described above, this AD retains the requirements of EASA AD 2023-0079-E, which is superseded, expands the Applicability and requires additional actions for Group 1 aeroplanes.

**Required Action(s) and Compliance Time(s):**

Required as indicated by this AD, unless the action(s) required by this EAD have been already accomplished:

**Determination / Corrective Action(s):**

- (1) For Group 1 aeroplanes: Within 10 flight hours after the effective date of this AD, determine the aeroplane configuration in accordance with the instructions of the SB1.
- (2) If, after the configuration determination as required by paragraph (1) of this AD, the aeroplane configuration has been confirmed to be configuration a), as identified in the SB1, before next flight modify the aeroplane in accordance with the instructions of the SB2.
- (3) If, after the configuration determination as required by paragraph (1) of this AD, the aeroplane configuration has been confirmed to be configuration c), as identified in the SB1, before next flight remove and reinstall the flaperon bellcrank bolt in accordance with the instructions of the SB1.

**Removal / Reinstallation:**

- (4) For Group 2 aeroplanes: Within 10 flight hours after 18 April 2023 [the effective date of EASA AD 2023-0079-E], remove and reinstall the flaperon bellcrank bolt in accordance with the instructions of the SB1.

**Credit:**

- (5) For Group 2 aeroplanes: Removal and reinstallation, accomplished on an aeroplane before the effective date of this AD in accordance with the instructions of PVS SB SB-121-00-80-028 at original issue or Issue A01, are acceptable to comply with the requirements of paragraph (4) of this AD for that aeroplane.



**Ref. Publications:**

PVS SB SB-121-00-80-028 original issue dated 04 April 2023, Issue A01 dated 13 April 2024 and Issue A02 dated 17 January 2025.

PVS SB SB-121-00-80-031 original issue dated 04 April 2024, and Issue A01 dated 20 January 2025.

The use of later approved revisions of the above-mentioned documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: Pipistrel Vertical Solutions d.o.o. Vipavska cesta 2, 5270 Ajdovščina, Slovenia; E-mail: [maintenance@pipistrel.si](mailto:maintenance@pipistrel.si).

