



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.
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.

