



Civil Aviation Authority

EMERGENCY MANDATORY PERMIT DIRECTIVE



Number: 2023-001-E

Issue date: 26 April 2023

In accordance with 41(1) of Air Navigation Order 2016 as amended the following action required by this Mandatory Permit Directive (MPD) is mandatory for applicable aircraft registered in the United Kingdom operating on a UK CAA Permit to Fly.

Design Approval Holder's Name:

PIPISTREL VERTICAL SOLUTIONS d.o.o

Type/Model Designation(s):

Alpha BCAR-S 164

Effective Date:	28 April 2023
TADS / AAN (as applicable):	TADS BM-89 / AAN No: 29503
Supersedure:	Not Applicable

ATA 27 – Flight Controls – Flaperon Bellcrank Bolt – Inspection

Manufacturer(s):

Pipistrel d.o.o.

Applicability:

All Pipistrel ALPHA BCAR-S 164 aeroplanes, serial numbers up to and including AT1640010

Definitions:

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

The SB: Pipistrel Vertical Solutions d.o.o. (PVS) Service Bulletin SB-164-00-80-011.

Reason:

PVS, the Type Approval Holder, was made aware of an in-service occurrence where the flaperon bellcrank bolt was found loose. Subsequent investigation identified an incorrect installation in production line as 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 aircraft.

To address this potential unsafe condition, PVS issued the SB, to provide applicable instructions.

For the reason described above, this MPD requires inspection of the flaperon bellcrank bolt.

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

Required as indicated, unless accomplished previously:

1. Within 10 flight hours after the effective date of this MPD, perform removal, inspection and re-installation instructions in accordance with Pipistrel Service Bulletin SB-164-00-80-011 Issue A00.

Reference Publications:

Pipistrel Service Bulletin SB-164-00-80-011 Issue A00 dated 12 April 2023.

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

Remarks:

1. The safety assessment has warranted immediate publication and notification without implementing the full consultation process.
2. If requested and appropriately substantiated, CAA can approve Alternative Methods of Compliance for this MPD.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this MPD, and which may occur, or have occurred on a product, part or appliance not affected by this MPD, can be reported to the CAA aviation safety reporting system. This may include reporting on the same or similar components, other than those covered by the design to which this MPD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed.
4. Enquiries regarding this -MPD should be referred to: ga@caa.co.uk
5. For any questions concerning the technical content of the requirements in this MPD, please contact: Pipistrel Vertical Solutions d.o.o, Vipavska cesta 2, 5270 Ajdovščina, Slovenia; E-mail: maintenance@pipistrel.si