



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) with ADs.

Number:

CF-2026-03

Effective Date:

4 February 2026

ATA:

25

Type Certificate:

A-191

Subject:

Equipment/Furnishings – Emergency Locator Transmitter (ELT) G-Switch Jumper Wire missing

Applicability:

Diamond Aircraft Industries Inc. (DAI) Model DA20-C1 aeroplanes, All Serial Numbers, with Artex 1000 Emergency Locator Transmitter (ELT) installed

Compliance:

Within 3 months from the effective date of this AD, unless already accomplished.

Background:

DAI received a report of an occurrence where the DA20-C1 Artex 1000 ELT did not perform as intended.

The reported occurrence identified a concern where the ELT beacon would not be activated by the internal G-Switch, and the aural alert buzzer would not be activated in the event of an impact event. The investigation found that some Artex ELT 1000 units may not have a jumper wire between D-Sub pins 5 and 12.

Transport Canada (TC) considers that any defect in the function of emergency equipment, such as the Artex ELT 1000 described above, requires mandatory corrective action.

This AD mandates a continuity check of the D-sub connector of the Artex 1000 ELT, and wiring correction if needed.

Corrective Actions:

For the purposes of this AD, the following definition applies:

Applicable Service Bulletin (SB): DAI Mandatory Service Bulletin (MSB) DAC1-25-05 Revision 1, dated 19 July 2024 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

1. Perform a continuity check between pins 5 and 12 of the D-sub connector of the Artex 1000 ELT in accordance with the accomplishment instructions in the applicable SB.
2. If an open circuit is confirmed when accomplishing corrective action 1 above, before further flight install a jumper wire between pins 5 and 12 in accordance with the accomplishment instructions in the applicable SB.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

André Couture
Acting Chief, Continuing Airworthiness
Issued on 21 January 2025

Contact:

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