



ZLIN®

SERVICE LETTER No. L 133-Rev.1

(supersedes Service Letter No. L133

October 1, 2021)

DATE: Mar. 4, 2022

TO: Ministry of Defense of Bulgaria

MODEL AFFECTED: Z 242 L aircraft, S/N: 0852, 0853, 0854, 0855

SUBJECT: Determination of technical safe life of the airframe and introduction of a new maintenance system for Z 242 L aircraft.

Z 242 L aircraft AFM pages replacement instructions

Based on operational experiences and knowledges, the aircraft manufacturer ZLIN AIRCRAFT a.s. introduces for the above-mentioned serial numbers:

1. The basic total technical safe life of the airframe is **6000 flight hours** in all aircraft airworthiness category.

NOTE:

Aircraft operation in accordance with a load spectrum, which corresponds with the basic total safe fatigue life time is a condition for saving this limit. This limit can be increased or decreased according to actual load spectrum.

If the aircraft is operated outside the limits of frequencies of load factors, which correspond with basic total safe fatigue life time, its safe life time is changed, either by a change of total safe life time limit or by determination of a limit from which the aircraft shall be operated in NORMAL (N) category only or by determination of acrobatic time limit for specified total operation time limit or by determination of a limit at which the wings and another prescribed parts shall be replaced to enable further aircraft operation. If the aircraft is operated in acrobatic operation outside the limits of frequencies of load factors which correspond with basic time of replacement intervals of main wing hinges pins and bushings and rear hinge pins, interval time of these replacement is changed.

2. The new maintenance system consisting of periodic inspection of the airframe after each 100 flight hours or after 1 year of operation (*whichever occurs first*) in the category AEROBATIC (A), UTILITY (U), NORMAL (N).



3. Based on the operator's request, due to reduce the risk of information omission by flight personnel, a new AFM of the Z 242 L, valid only for S/N 0852-0855, was developed. This new AFM incorporates previously prepared approved supplements into the basic chapter of the AFM (*basic chapter are chapters 1 to 8*).

TIME OF COMPLIANCE: 1), 2) Immediately after delivery of the above mentioned aircraft's.

3) Immediately after receipt new pages of the AFM

PROCEDURES:

1. During max. first 50 flight hours must be send data from AMU 1 to aircraft manufacturer to first analysis. The other sending will be determined according to data evaluation from AMU1.

2. After receipt of above-mentioned aircraft serial numbers, print the new maintenance system (*see enclosure of this Letter*). This system fully replaces the system mentioned in the Maintenance Manual, Vol. I (Chapter 5, Inspection type A) and Vol. II (Chapter 1, Inspections type B, C) or in individual supplements.

Log this new maintenance system into the board documentation.

3. From originally delivered Z 242 L AFM (*Doc. No. 003.012.1 with date of approval 7.1.2013*) remove:

- all pages of chapters 0 to 8
- title page 9-1/9-2
- supplements No. 6y, 18, 19, 29 and 30

As new AFM (*Doc. No. 003.012.1 with date of approval 2.3.2022*) insert:

- all new pages of chapter 0 to 8
- new title page 9-1/9-2 (*only supplements No. 3, 8e, 15a and 20 and Garmin COM-NAV supplements and Garmin Pilot's Guides remains are still valid*)

NOTE: check the data about weight and C/G position (on the page 6-6). The Fig. 6-4 must be marked by Certification staff of the manufacture.

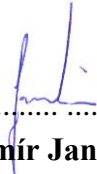
NECESSARY MATERIAL: New pages of the Z 242 L AFM. Will be delivered by the manufacturer.



ENCLOSURES:

- a) The new system of scheduled maintenance checks.
- b) New pages of the Z 242 L AFM (chapter 0 to Chapter 8 and page 9-1/9-2).

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