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MANDATORY

**SERVICE
BULLETIN**

MANDATORY SERVICE BULLETIN Z 142C/15a

Engineering aspects are
Czech CAA approved

1. **DATE:** September 20, 1999
2. **EFFECTIVITY:** All Z 142C Aircraft.
3. **REASON:** Possibility of short circuit during unwary replacement of electrical clock (if installed).
4. **DESCRIPTION:**
 - a) Installation of fuse in clock power supply circuit.
 - b) More strict safety measures for repairs (disconnection of battery is required before any repair of Aircraft electrical system).

Replacement of revised pages of Z 142C Maintenance Manuals, which are appended to this Bulletin:

Maintenance Manual of the Z 142C Aircraft Vol I.:
 Replacement of old leafs: 0-3, 0-4, 0-5, 2-56, 2-57, 7-19
 by new effective leafs for respective Aircraft serial numbers, dated 20. 9. 1999: 0-3, 0-4, 0-5, 2-56, 2-57, 7-19.

Maintenance Manual of the Z 142C Aircraft Vol II.:
 Replacement of old leafs: 0-3, 0-7, 3-29
 by new effective leafs for respective Aircraft serial numbers, dated Sep 20, 1999: 0-3, 0-7, 3-29.
5. **TIME OF COMPLIANCE:**
 - a) At next yearly inspection or during any work on electrical installation.
 - b) Immediately after receipt of this Bulletin.
6. **ACOMPLISHED BY:**
 - a) Approved maintenance organization.
 - b) User.
7. **COSTS COVERED BY:**
 - a) User.
 - b) Will not incur.
8. **ACCOMPLISHMENT INSTRUCTIONS:**
 - a) - Disconnect battery.
 - Remove circuit breaker panel on central control console and fuse panel on right hand side of central control console. Remove label NO CONNECT close to not connected fuse holder (1) and replace it by supplied label CLOCK 1A. In case the holder is already used for additional equipment installation, install new holder on central console aft of the fuse panel (2).
 - Disconnect wire marked 102L from BATTERY circuit breaker. Remove the soldering cable lug and solder the wire to the installed fuse holder terminal. Solder aviation wire AWG 20 gauge 300 mm long on the second fuse holder terminal – mark the wire 103L and on the other wire end solder the lug removed from 102L wire. Connect the 103L wire to BATTERY circuit breaker, where was previously connected 102L wire.
 - Install the circuit breaker and fuse panels.
 - Insert 1A/250V fuse into CLOCK 1A fuse holder.
 - Connect the battery and check correct function of electrical system.
 - After the check, accomplish record in airframe logbook.

- b) Replace old pages with new in Maintenance Manual of the Z 142C Aircraft Vol I and Vol. II dated 20. 9. 1999, respectively Sep 20, 1999, according to respective Aircraft serial numbers.
- c) Note the revision in List of changes.

- 9. MATERIAL:**
- AWG 20 Aviation wire, length 300 mm.
 - 1A/250V Fuse.
 - CLOCK 1A Label and new pages of Maintenance Manuals of the Z 142C Aircraft, see annex.
 - PTF 30 Fuse holder

- 10. ANNEXES:**
- CLOCK 1A Label
 - Z 142C Fuse panel schema

- a) For Aircrafts S/N 0525, 0542 including to 0550 including, 0552 including to 0555 including:
 - New pages of Maintenance Manual of the Z 142C Aircraft Vol I.: 0-3, 0-4, 0-5, 2-56, 2-57, 7-19.
 - New pages of Maintenance Manual of the Z 142C Aircraft Vol II.: 0-3, 0-7, 3-29.
- b) For Aircrafts from S/N 0560 including:
 - New pages of Maintenance Manual of the Z 142C Aircraft Vol I.: 0-3, 0-4, 0-5, 2-56, 2-57, 7-19.
 - New pages of Maintenance Manual of the Z 142C Aircraft Vol II.: 0-3, 0-7, 3-29.



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