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**MANDATORY**

**SERVICE  
BULLETIN**

MANDATORY SERVICE BULLETIN Z 143L/13a

Engineering Aspects are CAI  
of the Czech Republic Approved

1. DATE: 17.4.1997
2. MODELS  
AFFECTED: All Z 143L airplanes provided with the German version of Airplane Flight Manual, DOC. No. 005.013.
3. SUBJECT:
  - 3.1. During the operation on grassy uncared-for airfields, there is a possibility to suck grass or other impurities into the filling air preheating system and then in the carburetor diffuser, which may affect unfavourably its function.
  - 3.2. Now the Lycoming engine manufacturer uses the alternator type whose output voltage can exceed the battery recharging voltage already at idling speed.
  - 3.3. Design modifications from S/N 0015 and correction of formal failures in the Z 143L AFM.
  - 3.4. The aircraft from S/N 0023 are equipped with the measuring system of the fuel quantity in the fuel tanks in the whole range. Installation of the fuel level gauges on the main tanks closures has been cancelled.
  - 3.5. Equipment list extension.
4. CORRECTION:
  - 4.1. Check during preflight procedure that the filling air filter element and, if need is, the line of the carburetor preheat system are free of impurities.
  - 4.2. Respective changes in the AFM.
5. TIME OF  
COMPLIANCE: Correction 4.1: At each preflight check.  
Correction 4.2: Immediately after receipt of the Bulletin.
6. CORRECTION  
PERFORMED BY: User.
7. EXPENSES  
COVERED BY: No expenses arise.

8. PROCEDURE:

8.1.

At each preflight check:

- a) Check through the opening in the front part of engine cowls that the filling air filter element is free of impurities; lower part is checked visually; upper (invisible) part is checked by inserting the hand. Remove impurities, if any.
- b) If a good deal of impurities is found on the filter element, check heat exchanger area on the right exhaust muffler:
  - open right engine cowl
  - remove 2 C-formed springs and a cover (kept by them) with a warm air outlet to the heating regulator on the right heat exchanger and check visually (or by fingers) its purity
  - remove impurities, if any.
- c) In case of impurities in the heat exchanger or in sockets and hoses, it is necessary to remove the engine cowl pan and then the suction filter sleeve. Remove possible impurities in the filter sleeve and in the carburetor diffuser.

8.2.

Replace old sheets of the Z 143L AFM (DOC. No. 005.013) with the new ones. As to pages of identical number distinguished by applicability given in the frame - UP, insert into AFM only the page that regards your aircraft (acc. to appropriate S/N). New pages dated 10.1.1997 and designated ÄNDERUNG Nr. 1:

0-8, 0-9, 0-10, 0-12, 1-1, 1-6, 1-12, 2-10, 2-14, 2-20, 3-17, 3-18, 3-22, 4-8, 4-9, 4-10, 4-14, 4-16, 4-19, 6-15, 6-16, 6-17, 6-18, 6-19, 6-20, 6-21, 6-23, 6-24, 7-12, 7-18, 7-35, 7-36, 7-44, 7-45, 7-52, 7-55, 8-1, 8-3, 8-5, 8-6, 8-7, 8-8, 8-9, 8-10, 8-13, 8-14, 9-2.

Enter this revision into the Log of Revisions.

9. NECESSARY  
MATERIAL:

New sheets of the AFM will be delivered along with the Bulletin by the Manufacturer.

10. ENCLOSURES:

According to Item No. 9 of this Bulletin.



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