



**ZLIN AIRCRAFT a.s.**  
Letiště 1578, 765 81 Otrokovice,  
Czech Republic  
e-mail: [zlin-service@zlinaircraft.eu](mailto:zlin-service@zlinaircraft.eu)  
<http://www.zlinaircraft.eu>

**MANDATORY**

**SERVICE  
BULLETIN**

**MANDATORY SERVICE BULLETIN Z 143L/7a**

1. **MODELS AFFECTED:** All Z 143L airplanes.
2. **SUBJECT:**
  - 2.1. 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 and its function is unfavourably affected thereby.
  - 2.2. Now the Lycoming engine manufacturer uses the alternator type whose output voltage can exceed the battery recharging voltage already at idling speed.  
On this occasion the Manufacturer has carried out any other small modifications of the Flight Manual.
3. **CORRECTION:**
  - 3.1. Check during preflight procedure that the filling air filter element and, if need be, the line of the carburetor preheat system are free of impurities.
  - 3.2. Respective change is in the AFM.
4. **TIME OF COMPLIANCE:**

Correction 3.1: At each preflight check.  
Correction 3.2: Immediately after receipt of the Bulletin.
5. **CORRECTION PERFORMED BY:** User.
6. **EXPENSES COVERED BY:** No expenses arise.
7. **PROCEDURE:**
  - 7.1. 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 possible impurities.
    - 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 possible impurities.

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.

7.2.

Replace old pages of the Z 143L Flight Manual (DOC.No. 005.012) by the new ones and carry-out the entry into the Log of Revisions:

a) remove old pages:

0-1, 0-9, 0-10, 0-11, 0-14, 3-13, 4-7, 4-14, 4-17, 7-14, 7-17, 8-1, 8-6, 8-13, 8-14, 8-15, 8-16, 8-17, 8-18.

b) insert new pages designated REVISION No. 4, Jul 10, 1996:

0-1, 0-9, 0-10, 0-11, 0-14, 0-15, 0-16, 3-13, 4-7, 4-14, 4-17, 7-14, 7-17, 8-1, 8-6, 8-13, 8-14, 8-15, 8-16, 8-17, 8-18.

**8. NECESSARY MATERIAL:**

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

**9. THIS BULLETIN IS EFFECTIVE AFTER 15 DAYS FROM THE DATE OF APPROVAL BY THE CIVIL AVIATION INSPECTORATE.**

**10. ENCLOSURES:** According to Item No. 8 of this Bulletin.

*12 Phillips*  
Dipl. Eng. František Tížek

Manufacturer's Representative

*[Signature]*  
Dipl. Eng. Milan Vyhnálek

CAI Prague

*October 30, 1996*

Date of Approval by CAI