



**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 BULLETIN**

**Z 42/37, Z 142/31, Z 50M/05, Z 142C/02**

1. **SUBJEKT:** All Z 42M, Z 42MU, Z 142, Z 50M and Z 142C aircrafts.
  
2. **REASON:** On the basis of the new experience with the M 137 AZ and M 337 AK engine operation in different territories with a high airport altitude, it seems necessary to give more precision to the manner of the mixture control setting, in especial, when operating airplanes from high-situated airports with the use of a high octane fuel. The list of usable oils is enlarged.
  
3. **MEASURES:**

To avoid a very lean mixture setting caused by an inside injection pump system, the basic mixture control setting is to be already performed on the ground in case of the high-situated airports. Then it is necessary to readjust the handle during the flight, in accordance with instruction in section 4.3 through 4.11 of the Aircraft Flight Manual.

  - a) Remove old sheets:
    - Z 42 MU: -
    - Z 42 M : -
    - Z 142 : 2-5/2-6, 2-7/2-8, 4-7/4-8,  
4-9/4-10, 4-11/4-12, 4-13/4-14,
    - Z 50 M : 0-5, 2-5/2-6, 2-7/2-8, 4-7/4-8,  
4-9/4-10, 4-11/4-12.
    - Z 142 C: 0-5, 1-3/1-4, 2-5/2-6, 2-7/2-8,  
4-7/4-8, 4-9/4-10, 4-11/4-12,  
4-13/4-14, 4-15/4-16, 4-17/4-18.
  
  - b) Replace by new sheets:
    - Z 42 MU: -
    - Z 42 M : -
    - Z 142 : 2-5/2-6, 2-7/2-8, 4-7/4-8,  
4-9/4-10, 4-11/4-12, 4-13/4-14,
    - Z 50 M : 0-5, 1-3/1-4, 2-5/2-6, 2-7/2-8,  
4-7/4-8, 4-9/4-10, 4-11/4-12.
    - Z 142 C: 0-5, 1-3/1-4, 2-5/2-6, 2-7/2-8,  
4-7/4-8, 4-9/4-10, 4-11/4-12,  
4-13/4-14, 4-15/4-16, 4-17/4-18.

4. MEASURES SHALL BE PERFORMED: After receipt of the Bulletin promptly.
5. SHALL BE PERFORMED BY: The user.
6. EXPENSES SHALL BE COVERED: There are no expenses.
7. NECESSARY MATERIAL: New sheets of the Aircraft Flight Manual will be delivered by the aircraft manufacturer together with the Bulletin.
8. PROCEDURE:
  - Replace old sheets by new ones and record the change in the List of changes.
  - Perform measures according to this Bulletin, point No.3.
9. THE BULLETIN IS EFFECTIVE SINCE THE DATE OF APPROVAL BY CIVIL AVIATION INSPECTORATE.
10. SUPPLEMENTS: New sheets of the Aircraft Flight Manual:
  - Z 42 MU: -
  - Z 42 M : -
  - Z 142 : 2-5/2-6, 2-7/2-8, 4-7/4-8, 4-9/4-10, 4-11/4-12, 4-13/4-14,
  - Z 50 M : 0-5, 1-3/1-4, 2-5/2-6, 2-7/2-8, 4-7/4-8, 4-9/4-10, 4-11/4-12.
  - Z 142 C: 0-5, 1-3/1-4, 2-5/2-6, 2-7/2-8, 4-7/4-8, 4-9/4-10, 4-11/4-12, 4-13/4-14, 4-15/4-16, 4-17/4-18.

ing. Partika Antonín  
.....  
Manufacturer's Representative

ing. Beneš Jan  
.....  
Civil Aviation Inspectorate

2. 2. 1993

.....  
Date