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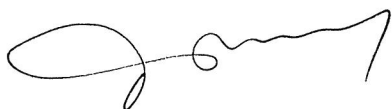
**MANDATORY**

**SERVICE  
BULLETIN**

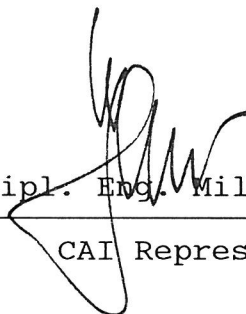
**MANDATORY SERVICE BULLETIN No. Z 50M/09a**

1. **MODELS AFFECTED:** All Z 50M aircraft.
2. **SUBJECT:** Sporadically occurred oil cut-off during the inverted flight.
3. **CORRECTION:**
  - 3.1 Install the weight Drwg. No. 154.0721.624 on the suction pipe Drwg. No. 154.0.721.062 and replace the hose Drwg. No. 154.0.721.068 in the oil tank acc. to Sect. 10 - Enclosure No. 1 of this Bulletin.  
Service life of the hose is limited to five (5) years.
  - 3.2 Replace pages in the appropriate Technical Manual of the Z 50M aircraft acc. to Sect.10 - Enclosure No. 4 of this Bulletin.
4. **TIME OF COMPLIANCE:** Immediately after this Bulletin receipt.
5. **CORRECTION PERFORMED BY:** The Operator of aircraft.
6. **EXPENSES COVERED BY:** The Manufacturer of aircraft will delivered the necessary material free of charge. Removal and installation should be performed by the Operator of aircraft.
7. **PROCEDURE:**
  - 7.1 It will be delivered acc. to Sect. 10 - Enclosed No. 3 of this Bulletin.
  - 7.2 New pages of the Technical Manual acc. to Sect. 10 - Enclosure No. 4 of this Bulletin.
8. **PROCEDURE:**
  - 8.1 Acc. to Enclosure No. 1.
  - 8.2 Replace old pages in the Technical Manual with the new ones.

9. THIS BULLETIN IS EFFECTIVE FROM THE DATE OF APPROVAL BY THE CIVIL AVIATION INSPECTORATE.
10. ENCLOSURES:
- a) Enclosure No.1 - Installation of the weight on the suction pipe and replacement of the hose in the oil tank.
  - b) Enclosure No.2 - Figure of areas where specified procedures are to be performed.
  - c) Enclosure No.3 - List of material - Parts necessary for installing the weight and replacing the hose in the oil tank.
  - d) Enclosure No.4 - New pages of the Z 50M Aircraft Technical Manual.



Dipl. Eng. František Tížek  
Manufacturer's Representative



Dipl. Eng. Milan Vyhnálek  
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July 10, 1996

Date of CAI Approval

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Enclosure No. 1

ENCLOSURE OF THE MANDATORY SERVICE BULLETIN No. Z 50M/09aInstallation of the weight on the suction pipe and replacement of the hose in the oil tankA) Removal

Drain off oil from the oil tank using the drain valve. Remove the removable cover from the wing. Mark appropriately the tank position in the fixing strips with a pencil. Disconnect fixing strips of the tank, release and disconnect oil system hoses from the tank. Remove the tank. Unscrew screws attaching the tank cap to the tank jacket. Take the cap off and remove the sealing. Remove the locking wire that attaches the hose to the cap and to the suction pipe.

B) Straightening the flange of the tank cap

The tank cap must be straightened on the bearing surface under the sealing. Straighten it by beating-out with a wooden mallet on a flat steel plate (See Enclosure No. 2 - Fig. 1).

C) Installation of the weight on the suction pipe

Drill off 3 pcs of rivets, which attach the neck (it has the rubber ring on the periphery), from the suction pipe. Put the weight Drwg. No. 154.0.721.624 and the suction basket on the pipe. Match original holes for rivets in the suction basket and in the pipe, re-drill them with the drill of 3.2 dia. and gradually rivet 3 pcs of rivets 3x6 ČSN 02 2302.0. Push the weight to the suction basket, re-drill holes in the weight with the drill of 3.2 dia. and gradually rivet 3 pcs of rivets 3x10 ČSN 02 2302.0 (Enclosure No. 2 - Fig. 2).

D) Tank assembly

Prior to assembly clean all parts of the tank with the technical gasoline. Clean out oil sediments from inside of the tank using the drying-up cloth. The new hose Drwg. No. 154.0.721.068 determined for replacement must not be cleaned with the technical gasoline. Put the new hose on the suction pipe and fasten it with three turns of galvanized locking wire of 0.8 dia. Adjust the end of locking wire loop so that it is oriented in the direction from the hose. Apply the same procedure to fasten the other end of hose to the cap. Check the hose for proper fastening to the suction pipe and to the cap as well as free motion of the suction pipe on the hose. Degrease bearing surfaces of the cap and

the tank. Insert the new sealing Drwg. No. 154.0.721.102 into the cap. In case of any doubt about leakage use an appropriate caulking compound, e.g. LOCLITE product or equivalents. Locate the cap on the tank. From the outside put the cover plate Drwg. No. 154.1.721.000 on the cap. Gradually insert 20 pcs of screws M 5x16 ČSN 02 1131.24, washers and nuts and tighten them. Connect the oil system hoses and secure screw joints with the locking wire. Place the tank in the wing into the fixing strips, adjust the position of tank according to the mark on the fixing strip. Tighten screws of the fixing strips and lock them with safety pins. Fill the oil tank with oil and check for leakage. Install the removable cover of the tank (Enclosure No. 2 - Fig. 3).

E) Entry

Enter accomplishment of the Bulletin into the Aircraft Log-book.

Figure of areas where specified procedures are to be performed

Technical drawing of a suction pipe assembly. The drawing shows a cross-section of the assembly. The main components are labeled as follows:

- Sací trubka** (SUCTION PIPE)
- Závaží** (WEIGHT)
- Hrdlo** (NECK)

Dimensions and specifications are provided:

- DuK 3x10 P (3x)** (Top left)
- DuK 3x6 P (3x)** (Top right)
- Ø 3,2** (Two locations for hole diameter)
- 154.0.721.624** (Part number)

SCREW  
Šroub M 5x16  
ČSN 021131.24

154.1.721.000  
Příložka  
COVER PLATE

154.0.721.102  
Těsnění  
SEALING

ENCLOSURE OF THE MANDATORY SERVICE BULLETIN No. Z 50M/09aList of material

Parts necessary for installing the weight and replacing the hose in the oil tank:

Name:	Drwg. No., Standard No.	Pcs
1. Weight	154.0.721.624	1
2. Cover plate	154.1.721.000	1
3. Sealing	154.0.721.102	1
4. Hose	154.0.721.068	1
5. Screw	M 5x16 ČSN 02 1131.24	20
6. Rivet	3x6 ČSN 02 2302.0	3
7. Rivet	3x10 ČSN 02 2302.0	3

Enclosure No. 4

ENCLOSURE OF THE MANDATORY SERVICE BULLETIN No. Z 50M/09a

New pages of the Z 50M Aircraft Technical Manual

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2. 0 - 5
3. 3 - 35
4. 3 - 42