



**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 126, Z 226/34a-Rev. 1  
Z 326/87a-Rev. 1  
Z 526/70a-Rev. 1  
Z 726/20a-Rev. 1

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Supersedes the Mandatory Bulletin Z 126, 226/34a,  
Z 326/87a, Z 526/70a, Z 726/20a

Technical aspect are  
CAA approved

1. DATE: 30.5. 2001
2. MODEL AFFECTED: All aircraft Z 126, Z 126 T,  
Z 226 B, Z 226 T, Z 226 M, Z 226 MS, Z 226 A,  
Z 226 AS, Z 226 SL  
Z 326, Z 326 A, Z 326 M, Z 326 MF,  
Z 526, Z 526 A, Z 526 M, Z 526 F, Z 526 AS,  
Z 526 ASM, Z 526 AF, Z 526 L, Z 526 ML,  
Z 526 AFS, Z 526 AFS-V,  
Z 726, Z 726K.
3. SUBJECT: Aircraft maintenance and service life
4. CORRECTION:
  - a) Revision of prescribed work at aircraft periodic inspection.
  - b) Revision of service life limitation.
  - c) Revision of aircraft maintenance system.
  - d) Corresponding supplements of accompanying technical documentation.
5. TIME OF COMPLIANCE: Immediately receipt of this bulletin.
6. CORRECTION PERFORMED BY: User.
7. EXPENSES COVERED BY: No expenses arise.

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Z 526/70a-Rev. 1  
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8. PROCEDURE:

- a) To perform overhauls or airframe technical inspection at intervals determined in Enclosure No. 1 of this bulletin.
- b) To perform inspections within the range of 25 hour, 50 hour, 100 hour/1year inspection in accordance with the survey of prescribed works in Enclosure No. 2 and in accompanying documentations accordance in Enclosure No. 3 of this bulletin.
- c) Insert Enclosures No. 1, 2 and 3 of this bulletin into the appropriate maintenance manual. Information, direction and limitations included in these enclosures supersedes corresponding parts in current accompanying document.

9. NECESSARY  
MATERIAL:

No necessary

10. ENCLOSURE:

- 1) Survey of aircraft overhauls and general overhaul performing and technical inspections.
- 2) Survey of works at periodical inspections of the Z 26 series aircraft.
- 3) Survey of accompanying technical documentation of the Z 26 series aircraft.

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Ing. Dušan Totek  
Chief designer

Contact address:

**ZLIN AIRCRAFT a.s.**  
Obchodně technické služby  
765 81 OTROKOVICE  
CZECH REPUBLIC

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**SURVEY OF AIRCRAFT OVERHAULS AND GENERAL OVERHAULS PERFORMING  
AND TECHNICAL INSPECTIONS**

**1. Z 126,Z 126T Aircraft**

Refer to the aircraft that have flown 3200 flight hours in "A" category and further will be operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note     |
|-------------------------------|----------------|-----------------------------|----------|
| 1000 + 25                     | General repair | 3200<br>4600                | a)<br>b) |

**2. Z 226T,Z 226A,Z 226AS Aircraft**

Refer to the aircraft that have flown 3200 flight hours in "A" category and further will be operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note     |
|-------------------------------|----------------|-----------------------------|----------|
| 1000 + 25                     | General repair | 3200<br>4600                | a)<br>b) |

**3. Z 126,Z 126T,Z 226B,Z 226T,Z 226A,Z 226AS,Z 226M,Z 226MS,Z 226 SL Aircraft**

Refer to the aircraft that have flown 2300 flight hours in "A" category and further will be operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note     |
|-------------------------------|----------------|-----------------------------|----------|
| 1000 + 25                     | General repair | 2300<br>5500                | a)<br>b) |

**NOTES:** a) The aircraft must be transferred to "N" category at this number of operational hours at latest.  
b) Total service life.

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#### 4. Z 326,Z 526,Z 526F,Z 526L,Z 526AF,Z 526ASM Aircraft

Refer to the aircraft that have flown 3200 flight hours in "A" category and further will be operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note     |
|-------------------------------|----------------|-----------------------------|----------|
| 1000 + 25                     | General repair | 3200<br>4600                | a)<br>b) |

#### 5. Z 326,Z 326M,Z 326MF,Z 526,Z 526AS,Z 526M,Z 526ASM,Z 526ML,Z 526F, Z 526L Aircraft

Refer to the aircraft that have flown 2300 flight hours in "A" category and further will be operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note     |
|-------------------------------|----------------|-----------------------------|----------|
| 1000 + 25                     | General repair | 2300<br>5500                | a)<br>b) |

#### 6. Z 326A,Z 526A Aircraft

| Interval of operational hours | Repair         | Number of operational hours | Note |
|-------------------------------|----------------|-----------------------------|------|
| 800 + 25                      | General repair | 1600                        | a)   |
| 1000 + 25                     | General repair | 3600                        | b)   |

**NOTES:** a) The aircraft must be transferred to "N" category at this number of operational hours at latest.  
b) Total service life.



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7. Z 526 AFS,Z 526 AFS-V Aircraft

Refer to the aircraft that are operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note |
|-------------------------------|----------------|-----------------------------|------|
| 500 + 25                      | General repair | 1000                        | a)   |
| 1000 + 25                     | General repair | 4600                        | b)   |

8. Z 726,Z 726K Aircraft

Refer to the aircraft that are operated under the overhaul system of airframe maintenance.

| Interval of operational hours | Repair         | Number of operational hours | Note     |
|-------------------------------|----------------|-----------------------------|----------|
| 1200 + 25                     | General repair | 2400                        |          |
| 1000 + 25                     | General repair | 3400<br>5000                | a)<br>b) |

**NOTES:** a) The aircraft must be transferred to "N" category at this number of operational hours at latest.  
b) Total service life.

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**CAUTIONS:**

1. The aircraft transferred to "N" (normal) category can be operated under the system of **technical inspections** up to the reaching the stated technical life (i.e. total number of operational hours).
  - 1.1. First technical inspection must be performed at reaching the interval of operational hours for overhaul from the last overhaul at latest.
  - 1.2. Time of validity for technical inspection is determined on 200 flight hours and/or 2 years as maximum.
  - 1.3. In case of aircraft condition when the Technical Commission direct performing the overhaul, further technical inspection will be carried out at stated interval of operational hours for overhaul of the aircraft type from that overhaul.
  - 1.4. Technical Inspection can be performed by:
    - the Manufacturer Technical Commission approved by the Czech CAA. the Inspection Record on performed inspection shall be passed to the user. Technical Inspection can be ordered at: MORAVAN-AEROPLANES Inc. 765 81 OTROKOVICE  
Technical Inspection can be performed at the manufacturer's plant or at operator's field.
    - other Repair/Maintenance shop approved by the CAA of the user's country and by the manufacturer, MORAVAN-AEROPLANES Inc. This workshop must be demonstrably acquainted with the Maintenance and Repair procedure of the type. The Inspection Record on performed inspection shall be passed to the user and the copy to the manufacturer, MORAVAN-AEROPLANES Inc. Otrokovice, Czech Republic.
2. Operation in "N" (normal) category of the Z 26 aircraft series with retractable landing gear is conditional on installation of audio stall warning and retracted undercarriage signalling.
3. The inspection or partial repair must be performed on all aircraft, which were out of operation more than 2 years and 100-hour inspection were not performed before returning into operation. The partial repair consist of:
  - Check plays in all parts in assemblies, check for corrosion.
  - Removal of wings, tail surfaces, engine, instruments, aggregates, rubber hoses, landing gear, canopy.
  - Ream over worn holes of the wing, tail surfaces, engine bed hinges. Use new bolts and pins. Perform this in case of increased plays.
  - Replace all worn and corroded parts. Replace all damaged rubber part i.e. instrument panel and engine bed silent blocks, rubber cords of seats, dusters, bushing and others. Replace out of service life or damaged hoses.
  - The fabric covering of fuselage, elevator or rudder shall be replaced as required according to technical conditions unless made from new synthetic materials with long service life.
  - Check the instruments and aggregates for operational values at approved laboratory.

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**SURVEY OF WORKS AT PERIODICAL INSPECTIONS OF THE Z 26 AIRCRAFT SERIES**

| Aircr.<br>type | Serial Number | Registration<br>mark | Flight h.<br>Total | Number of<br>take-off | Date of<br>inspection |
|----------------|---------------|----------------------|--------------------|-----------------------|-----------------------|
|                |               |                      |                    |                       |                       |

Type of inspection:      50                      100                      1 year

(Delete what is not applicable)

| Check of work                                                                                                                                  | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|---|-------------------|------------------------|------|
|                                                                                                                                                | 50                         | 100 | R |                   |                        |      |
| 1. PREPANATORY WORK                                                                                                                            |                            |     |   |                   |                        |      |
| 1.1 <u>Documentation</u> : check records<br>in Aircraft Log book, Engine log<br>book, Propeller log book, execu-<br>tion of bulletins and AD s |                            | o   | o |                   |                        |      |
| 1.2 <u>Cleannes</u> : wash the cockpit and<br>aircraft surface, clean the en-<br>gine, check of loose items bloc-<br>king controls             | o                          | o   | o |                   |                        |      |
| 1.3 <u>Disassembly of covers</u> : side,<br>lower and upper fuselage covers,<br>tail landing gear cover, wing<br>covers                        | o                          | o   | o |                   |                        |      |
| 1.4 <u>Disassembly of covers</u> : engine<br>cowlings, cockpit canopy, fuel<br>tanks covers                                                    |                            | o   | o |                   |                        |      |
| 1.5 <u>Jacking</u> : before landing gear<br>check                                                                                              |                            | o   | o |                   |                        |      |
| 2. COCKPIT                                                                                                                                     |                            |     |   |                   |                        |      |
| 2.1 <u>Canopy emergency release</u> : fun-<br>ction, condition, adjustment,<br>lubricating                                                     |                            | o   | o |                   |                        |      |
| 2.2 <u>Opening and locking mechanism<br/>of the cockpit canopy</u> : function,<br>condition, adjustment, lubrica-<br>ting                      |                            | o   | o |                   |                        |      |
| 2.3 <u>Seat adjusting</u> : function, ad-<br>justment, condition                                                                               |                            | o   | o |                   |                        |      |

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| Check of work                                                                                                                                                                          | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note         |
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|                                                                                                                                                                                        | 50                         | 100 | R |                   |                        |              |
| 2.4 <u>Rudder control adjusting:</u><br>function                                                                                                                                       | o                          | o   | o |                   |                        |              |
| 2.5 <u>Safety seat belts:</u> condition,<br>attachment                                                                                                                                 | o                          | o   | o |                   |                        |              |
| 2.6 <u>Inside covers and floors:</u><br>condition, attachment                                                                                                                          | o                          | o   | o |                   |                        |              |
| 2.7 <u>Controls:</u> function, free move-<br>ment, ply, damage                                                                                                                         | o                          | o   | o |                   |                        |              |
| 2.8 <u>Dampers of board panels:</u><br>condition                                                                                                                                       |                            | o   | o |                   |                        |              |
| 2.9 <u>Instrument:</u> condition, attach-<br>ment                                                                                                                                      |                            | o   | o |                   |                        |              |
| 2.10 <u>Engine instruments:</u> function<br>check, condition and connecting<br>of conductors                                                                                           |                            | o   | o |                   |                        |              |
| 2.11 <u>Signalling:</u> function check                                                                                                                                                 |                            | o   | o |                   |                        | If installed |
| 2.12 <u>Compass:</u> execution of compass<br>compensation                                                                                                                              |                            |     | o |                   |                        |              |
| 2.13 <u>Placards and colour marking<br/>of instrument:</u> completeness and<br>no damage                                                                                               |                            | o   | o |                   |                        |              |
| 2.14 <u>Cockpit canopy glasing:</u> crack<br>and damage                                                                                                                                |                            | o   | o |                   |                        |              |
| 3. FUSELAGE                                                                                                                                                                            |                            |     |   |                   |                        |              |
| 3.1 <u>Fuselage frame:</u> check of tubes<br>mainly in the vicinity of hinges<br>-cracks, deformation, corrosion                                                                       |                            | o   | o |                   |                        |              |
| 3.2 <u>Hinges:</u> of wings, horizontal<br>and vertical tail surfaces, main<br>landing gear and tail wheel, en-<br>gine bed and towing gear holder-<br>cracks, deformations, corrosion |                            | o   | o |                   |                        |              |
| 3.3 <u>Fabric skin:</u> condition, damage                                                                                                                                              | o                          | o   | o |                   |                        |              |
| 3.4 <u>Pressure probe of wing center<br/>section spar:</u> pressure, attach-<br>ment, locking                                                                                          | o                          | o   | o |                   |                        |              |

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| Check of work                                                                                                                                                                                                                 | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|---|-------------------|------------------------|----------------------------------------------|
|                                                                                                                                                                                                                               | 50                         | 100 | R |                   |                        |                                              |
| 3.5 <u>Drive of wing flaps:</u> condition<br>and play                                                                                                                                                                         |                            | o   | o |                   |                        | Only aircraft<br>equipped with<br>wing flaps |
| 4. WINGS                                                                                                                                                                                                                      |                            |     |   |                   |                        |                                              |
| 4.1 <u>Leading edge, skin, wing tips,<br/>ailerons, wing flaps:</u> damage,<br>deformation, loose rivets                                                                                                                      |                            | o   | o |                   |                        |                                              |
| 4.2 <u>Wing hinges:</u> play in hinges,<br>cracks, scratching, corrosion,<br>check of cut bushing proper po-<br>sition, check of pins slipping-<br>out (tightening at need), check<br>of rear hinge support boxes,<br>locking | o                          | o   | o |                   |                        |                                              |
| 4.3 <u>Ailerons:</u> play in hinges, loc-<br>king of hinges, cracks, attach-<br>ment of aileron mass-balance-<br>cracks                                                                                                       | o                          | o   | o |                   |                        |                                              |
| 4.4 <u>Wing flaps:</u> play in hinges<br>(admissible difference between<br>left and right wing flap 1°/5,5<br>mm, measured at the middle hinge<br>at full extend)                                                             |                            | o   | o |                   |                        | Only aircraft<br>equipped with<br>wing flaps |
| 4.5 <u>Foot board rubber:</u> condition                                                                                                                                                                                       |                            | o   | o |                   |                        |                                              |
| 5. EMPENNAGE                                                                                                                                                                                                                  |                            |     |   |                   |                        |                                              |
| 5.1 <u>Leading edge, skin, wing tips:</u><br>damage, deformation, loose<br>rivets                                                                                                                                             |                            | o   | o |                   |                        |                                              |
| 5.2 <u>Hinges of horizontal and ver-<br/>tical fin:</u> play in hinges, lock-<br>ing, cracks, corrosion                                                                                                                       | o                          | o   | o |                   |                        |                                              |
| 5.3 <u>Elevator and rudder hinges:</u><br>play in hinges, locking, cracks,<br>corrosion                                                                                                                                       | o                          | o   | o |                   |                        |                                              |
| 5.4 <u>Trim tabs:</u> condition, play in<br>hinges                                                                                                                                                                            |                            | o   | o |                   |                        |                                              |
| 5.5 <u>Elevator countershaft:</u> cracks                                                                                                                                                                                      |                            | o   | o |                   |                        |                                              |

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| Check of work                                                                                                                                                                                                                                                                              | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|---|-------------------|------------------------|-----------------------------------------|
|                                                                                                                                                                                                                                                                                            | 50                         | 100 | R |                   |                        |                                         |
| 6. CONTROLS                                                                                                                                                                                                                                                                                |                            |     |   |                   |                        |                                         |
| 6.1 <u>Hand control</u> : play at blocked control surfaces (max. $\pm 3$ mm transversally and longitudinally, measured at the end of the stick handle), check of marginal positions, max. elevator and ailerons deflections, condition of pull rods-damage, deformation, locking of joints |                            | o   | o |                   |                        |                                         |
| 6.1.1 <u>Stops</u> : condition, cracks                                                                                                                                                                                                                                                     | o                          | o   | o |                   |                        |                                         |
| 6.2 <u>Rudder control</u> : play at blocked rudder (max. $\pm 3$ mm - measured at the end of pedals), check of marginal positions and rudder max. deflection                                                                                                                               |                            | o   | o |                   |                        |                                         |
| 6.2.1 <u>Rudder and tail wheel control cables</u> : wear, tension, tightness-locking                                                                                                                                                                                                       | o                          | o   | o |                   |                        |                                         |
| 6.2.2 <u>Control pulleys</u> : wear, seating, motion                                                                                                                                                                                                                                       |                            | o   | o |                   |                        |                                         |
| 6.2.3 <u>Stops</u> : condition, cracks                                                                                                                                                                                                                                                     | o                          | o   | o |                   |                        |                                         |
| 6.3 <u>Elevator and rudder trim tab</u> : check of max. deflections, motion, strings of trim-tension, damage, corrosion, tighteners-locking                                                                                                                                                |                            | o   | o |                   |                        | Rudder trim tab if installed            |
| 6.4 <u>Wing flap control</u> : play at full extend (max. $2^{\circ}/11$ mm, measured at outer wing flap at middle hinge, motion, function                                                                                                                                                  |                            | o   | o |                   |                        | Only aircraft equipped with wing flaps  |
| 6.5 <u>Towing gear release</u> : function, condition                                                                                                                                                                                                                                       |                            | o   | o |                   |                        | Only aircraft equipped with towing gear |
| 7. LANDING GEAR                                                                                                                                                                                                                                                                            |                            |     |   |                   |                        |                                         |
| 7.1 <u>Main landing gear</u> :<br>a) Aircraft with fixed landing gear - cracks on cone, play in torque links, cracks, locking                                                                                                                                                              | o                          | o   | o |                   |                        |                                         |

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| Check of work                                                                                                                                                                                                    | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|---|-------------------|------------------------|------------------------------------------------------------------------------|
|                                                                                                                                                                                                                  | 50                         | 100 | R |                   |                        |                                                                              |
| b) Aircraft with retractable<br>landing gear - cracks and play<br>at landing gear suspension brac-<br>ket and at breakstruts, play in<br>torque links, cracks, locking<br>condition and suspension of<br>springs | o                          | o   | o |                   |                        |                                                                              |
| 7.1.1 <u>Landing gear shock absorber:</u><br>pressure and tightness, attach-<br>ment, locking, condition, corro-<br>sion                                                                                         | o                          | o   | o |                   |                        |                                                                              |
| 7.1.2 <u>Landing gear extending and<br/>retracting:</u> adjustment in locks,<br>pull-rod and switch on the left<br>shock absorber-check                                                                          |                            | o   | o |                   |                        | Only aircraft<br>equipped with<br>retractable<br>landing gear                |
| 7.1.3 <u>Emergency release:</u> check,<br>adjustment                                                                                                                                                             |                            | o   | o |                   |                        | Only aircraft<br>equipped with<br>retractable<br>landing gear                |
| 7.2 <u>Tail wheel:</u> play in attachment<br>locking, function of tail wheel<br>release mechanism                                                                                                                | o                          | o   | o |                   |                        |                                                                              |
| 7.3 <u>Tail wheel shock absorber:</u><br>pressure and tightness, conditi-<br>on, corrosion                                                                                                                       | o                          | o   | o |                   |                        |                                                                              |
| 7.4 <u>Shock absorber function check:</u><br>main landing gear - incline by<br>the wing tail wheel-push by the<br>fuselage                                                                                       | o                          | o   | o |                   |                        |                                                                              |
| 7.5 <u>Landing gear wheels:</u> disassem-<br>bly, check of bearings, cleaning<br>of bearings, lubricating, con-<br>dition of castings-cracks                                                                     |                            | o   | o |                   |                        |                                                                              |
| 7.6 <u>Tires:</u> wear, damage, complian-<br>ce of paint markings on tire and<br>rim, tire pressure                                                                                                              | o                          | o   | o |                   |                        |                                                                              |
| 7.7 <u>Brakes:</u> function, condition,<br>brake control-function, conditi-<br>on, adjustment of brake shoe<br>plays - 0,3 mm, cleaning, lubri-<br>cating of moveable parts                                      |                            | o   | o |                   |                        | Check of cables<br>and bowdens at<br>aircraft with<br>mechanical bra-<br>kes |

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| Check of work                                                                                                                                                      | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note                                          |
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|                                                                                                                                                                    | 50                         | 100 | R |                   |                        |                                               |
| 7.8 <u>Brake piping and hoses:</u> leakage, condition, attachment, service life                                                                                    |                            | o   | o |                   |                        | Only aircraft equipped with mechanical brakes |
| 8. FUEL SYSTEM                                                                                                                                                     |                            |     |   |                   |                        |                                               |
| 8.1 <u>Joints in the system:</u> leakage, locking                                                                                                                  |                            | o   | o |                   |                        |                                               |
| 8.2 <u>Fuel filter/Hand pump:</u> condition, function, leakage, cleanliness-blow out with air, attachment                                                          |                            | o   | o |                   |                        |                                               |
| 8.3 <u>Hoses:</u> service life, leakage, attachment                                                                                                                | o                          | o   | o |                   |                        |                                               |
| 8.4 <u>Fuel tanks:</u> condition, corrosion, leakage, attachment, attaching belts-corrosion, damage, cracks, locking the tightening screws                         |                            | o   | o |                   |                        |                                               |
| 8.5 <u>Venting:</u> check of free passage (by pressure air max. 1,5 atp at open tank fillers)                                                                      |                            | o   | o |                   |                        |                                               |
| 9. OIL SYSTEM                                                                                                                                                      |                            |     |   |                   |                        |                                               |
| 9.1 <u>Joints in the system:</u> leakage, locking                                                                                                                  |                            | o   | o |                   |                        |                                               |
| 9.2 <u>Hoses:</u> service life, leakage, attachment                                                                                                                | o                          | o   | o |                   |                        |                                               |
| 9.3 <u>Oil tank:</u> condition, corrosion, attachment, attaching belts-corrosion, damage, cracks, locking the tightening screws, rinse the tank with pure gasoline |                            | o   | o |                   |                        |                                               |
| 9.4 <u>Drop valve:</u> disassembly, cleaning                                                                                                                       |                            | o   | o |                   |                        |                                               |
| 9.5 <u>Oil cooler:</u> condition, leakage, cleanliness                                                                                                             | o                          | o   | o |                   |                        | Only aircraft equipped with oil cooler        |
| 9.6 <u>Venting:</u> check of free passage                                                                                                                          |                            | o   | o |                   |                        |                                               |



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| Check of work                                                                                              | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------|----------------------------|-----|---|-------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                            | 50                         | 100 | R |                   |                        |                                                                                                                                                                                     |
| 10. FIRE EXTINGUISHER SYSTEM                                                                               |                            |     |   |                   |                        |                                                                                                                                                                                     |
| 10.1 <u>Fire extinguisher</u> : condition,<br>prescribed pressure                                          |                            | o   | o |                   |                        |                                                                                                                                                                                     |
| 10.2 <u>Piping</u> : condition, attach-<br>ment, cleanliness of nozzles                                    |                            | o   | o |                   |                        |                                                                                                                                                                                     |
| 10.3 <u>Control mechanism</u> : condition,<br>greasing                                                     | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11. ENGINE INSTALLATION                                                                                    |                            |     |   |                   |                        |                                                                                                                                                                                     |
| 11.1 <u>Engine cowlings</u> : surface con-<br>dition, damage, cracks, conditi-<br>on and function of locks | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11.2 <u>Internal engine covers</u> : con-<br>dition, damage, cracks                                        | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11.3 <u>Engine bed</u> : play in suspen-<br>sions, locking, damage, cracks,<br>deformations, corrosion     | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11.4 <u>Vibration dampers</u> : cracking,<br>deformations                                                  | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11.5 <u>Exhaust manifold</u> : attachment,<br>cracks, deformation, corrosion                               | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11.6 <u>Control of engine/propeller</u> :<br>function, motion, play, wear,<br>locking                      | o                          | o   | o |                   |                        |                                                                                                                                                                                     |
| 11.7 <u>Engine accessories</u> : check of<br>aggregates on the firewall                                    |                            | o   | o |                   |                        |                                                                                                                                                                                     |
| 12. ENGINE                                                                                                 |                            |     |   |                   |                        |                                                                                                                                                                                     |
| 12.1 Inspection after first 10<br>hours of operation                                                       |                            |     |   |                   |                        |                                                                                                                                                                                     |
| 12.2 Inspections after 50/100<br>hours of operation                                                        | o                          | o   | o |                   |                        | System of main-<br>tenance is gi-<br>ven in accompa-<br>nying engine<br>documentation<br>of the corres-<br>ponding engine<br>type - see En-<br>closure No. 3<br>of this<br>bulletin |

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| Check of work                                                                                                                                       | Interval of<br>oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note                                                                                                                                                                                      |
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|                                                                                                                                                     | 50                         | 100 | R |                   |                        |                                                                                                                                                                                           |
| 13. WOODEN PROPELLER                                                                                                                                |                            |     |   |                   |                        |                                                                                                                                                                                           |
| 13.1 <u>Propeller</u> : condition of lame-<br>llas-cracks, damage of blade<br>sheating, bandage, pint coat,<br>tightening and locking the<br>screws | o                          | o   | o |                   |                        | Only aircraft<br>equipped with<br>wooden prope-<br>ller                                                                                                                                   |
| 13.2 <u>Spinner</u> : condition, damage,<br>cracks, tightening the screws                                                                           | o                          | o   | o |                   |                        |                                                                                                                                                                                           |
| 14. METAL PROPELLER                                                                                                                                 |                            |     |   |                   |                        |                                                                                                                                                                                           |
| 14.1 Inspection after first 10<br>hours of operation                                                                                                |                            |     |   |                   |                        | System of main-<br>tenance is gi-<br>ven in accompa-<br>nying propeller<br>documentation<br>of the corres-<br>ponding prope-<br>ller type - See<br>Enclosure No. 3<br>of this<br>bulletin |
| 14.2 Inspections after 100/200<br>hours of operation                                                                                                |                            | o   | o |                   |                        |                                                                                                                                                                                           |
| 15. ELECTRICAL SYSTEM                                                                                                                               |                            |     |   |                   |                        |                                                                                                                                                                                           |
| 15.1 <u>Conductors</u> : condition, atta-<br>chment, damage                                                                                         |                            | o   | o |                   |                        | Perform the ca-<br>pacity check at<br>1 year inspec-<br>tion                                                                                                                              |
| 15.2 <u>Battery</u> : cover cleannesss,<br>check of venting, corrosion ca-<br>pacity check, maintenance and<br>charging, attachment, locking        | o                          | o   | o |                   |                        |                                                                                                                                                                                           |
| 15.3 <u>Earthing</u> : condition                                                                                                                    |                            | o   | o |                   |                        |                                                                                                                                                                                           |
| 15.4 <u>Electrical aggregates</u> : condi-<br>tion, function, attachment, cab-<br>les attachment                                                    |                            | o   | o |                   |                        |                                                                                                                                                                                           |
| 15.5 <u>Lightning</u> : function, conditi-<br>on                                                                                                    |                            | o   | o |                   |                        | If installed                                                                                                                                                                              |
| 15.6 <u>Dischargers of static elec-<br/>tricity</u> : condition, attachment                                                                         |                            |     | o |                   |                        |                                                                                                                                                                                           |
| 15.7 <u>COMM/NAV equipment</u> : conditi-<br>on, function, attachment                                                                               |                            |     | o |                   |                        |                                                                                                                                                                                           |
| 15.8 <u>Ground strap of antenna coa-<br/>xial cabel</u> : corrosion                                                                                 |                            |     | o |                   |                        |                                                                                                                                                                                           |

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| Check of work                                                                     | Interval of oper. hours |     |   | Per<br>for<br>med | Che<br>cke<br>d<br>by: | Note |
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|                                                                                   | 50                      | 100 | R |                   |                        |      |
| 16. PITOT-STATIC SYSTEM                                                           |                         |     |   |                   |                        |      |
| 16.1 <u>Pitot tupe</u> : attachment, damage, cleanness                            | o                       | o   | o |                   |                        |      |
| 16.2 <u>Hoses and tubes</u> : damage, attachment, service life                    |                         | o   | o |                   |                        |      |
| 16.3 <u>Drain sumps</u> : damage, cleanness                                       |                         | o   | o |                   |                        |      |
| 16.4 <u>Check of Pitot-static system</u>                                          |                         |     | o |                   |                        |      |
| 17. FINAL WORK                                                                    |                         |     |   |                   |                        |      |
| 17.1 <u>Lubrication</u> : lubricate the aircraft according to Lubrication chart   | o                       | o   | o |                   |                        |      |
| 17.2 <u>Locking</u> : check of all accessible locking                             | o                       | o   | o |                   |                        |      |
| 17.3 <u>Disassembled covers</u> : conditions, damage, cracks, back assembly       | o                       | o   | o |                   |                        |      |
| 17.4 <u>Performed work</u> : make entries into appropriate aircraft documentation | o                       | o   | o |                   |                        |      |
|                                                                                   |                         |     |   |                   |                        |      |

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At periodical inspections of the engines and propellers at aircraft Z 26 series proceed you according to undermentioned accompanying documentation

| AIRCRAFT<br>MODEL             | ENGINE<br>TYPE               | ACCOMPANYING DOCUMENTATION<br>OF ENGINE MANUFACTURER IN<br>VALIDITY VERSION                                              | PROPELLER<br>TYPE                  | ACCOMPANYING DOCUMENTATION<br>OF PROPELLER MANUFACTURER<br>OF VALIDITY VERSION                    |
|-------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------|
| Z 126<br>Z 126 T              | WM4-III                      | Aero engine WALTER MINOR<br>4-III 105 Hp Technical<br>description service inst-<br>ructions control and main-<br>tenance | V 126<br>L26.1.8100.5              | is given in the aircraft<br>accompanying documenta-<br>tion                                       |
| Z 226 B<br>Z 226 T<br>Z 226 A | WM6-III                      | Aero engine WALTER MINOR<br>6-III 160 Hp Technical<br>description service inst-<br>ructions control and main-<br>tenance | Z226.640<br>Z226.641<br>Z226.641.2 |                                                                                                   |
| Z 226 AS                      |                              |                                                                                                                          | V 503                              |                                                                                                   |
| Z 226 M                       | M 137 A                      | Technical description and<br>engine maintenance manual<br>M 337A, AK, M 332A, AK,<br>M 137A, AZ, M 132A, AK              | Z42.6411/13                        | is given in the aircraft<br>accompanying documentation                                            |
| Z 226 MS                      |                              |                                                                                                                          | V 503 A                            | Aircraft propeller V 503 A<br>AUTOMATIC Technical des-<br>cription and operational<br>instruction |
| Z 226 SL                      | LYCOMING<br>AE10-540<br>D4B5 | Operator's manual Textron<br>Lycoming aircraft engines<br>series AE10                                                    | HO-V 123-<br>K-V/200 AH            | Owner's manual for<br>constant speed propeller<br>models HO-V 123                                 |
| Z 326<br>Z 326 A              | WM6-III                      | Aero engine WALTER MINOR<br>6-III 160 Hp Technical<br>description service inst-<br>ructions control and main-<br>tenance | Z326.641                           | is given in the aircraft<br>accompanying documentation                                            |
| Z 326 M                       | M 137 A                      | Technical description and<br>engine maintenance manual<br>M 337A, AK, M 332A, AK,<br>M 137A, AZ, M 132A, AK              | Z42.6411/13                        |                                                                                                   |
| Z 326 MF                      |                              |                                                                                                                          | V 503 A                            |                                                                                                   |
| Z 526<br>Z 526 A<br>Z 526 AS  | WM6-III                      | Aero engine WALTER MINOR<br>6-III 160 Hp Technical<br>description service inst-<br>ructions control and main-<br>tenance | V 503                              | Aircraft propeller V 503<br>AUTOMATIC Technical des-<br>cription and operational<br>instruction   |

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| AIRCRAFT<br>MODEL                                            | ENGINE<br>TYPE               | ACCOMPANYING DOCUMENTATION<br>OF ENGINE MANUFACTURER IN<br>VALIDITY VERSION                                 | PROPELLER<br>TYPE       | ACCOMPANYING DOCUMENTATION<br>OF PROPELLER MANUFACTURER<br>OF VALIDITY VERSION                              |
|--------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------|
| Z 526 M                                                      | M 137 A                      | Technical description and<br>engine maintenance manual<br>M 337A, AK, M 332A, AK,<br>M 137A, AZ, M 132A, AK | V 503 /<br>V 503 A      | Aircraft propeller V 503 /<br>V 503 A AUTOMATIC Techni-<br>cal description and opera-<br>tional instruction |
| Z 526 F<br>Z 526 AF<br>Z 526 AFS<br>Z 526 AFS-V<br>Z 526 ASM | M 137 A                      | Technical description and<br>engine maintenance manual<br>M 337A, AK, M 332A, AK,<br>M 137A, AZ, M 132A, AK | V 503 A                 | Aircraft propeller V 503 A<br>AUTOMATIC Technical des-<br>cription and operational<br>instruction           |
| Z 526 L                                                      | LYCOMING<br>AIO-360 B1B      | Operator's manual Textron<br>Lycoming aircraft engines<br>series AIO                                        | HC-C3YK-4/C<br>7666 A2  | Propeller owner's manual<br>& log book, installation,<br>operation service                                  |
| Z 526 ML                                                     | LYCOMING<br>AEIO-540<br>D4B5 | Operator's manual Textron<br>Lycoming aircraft engines<br>series AEIO                                       | HO-V 123-<br>K-V/200 AH | Owner's manual for<br>constant speed propeller<br>models HO-V 123                                           |
| Z 726                                                        | M 137 AZ                     | Technical description and<br>engine maintenance manual<br>M 337A, AK, M 332A, AK,<br>M 137A, AZ, M 132A, AK | V 503 A                 | Aircraft propeller V 503 A<br>AUTOMATIC Technical des-<br>cription and operational<br>instruction           |
| Z 726 K                                                      | M 337 AK                     |                                                                                                             | V 500 A                 | Operator's manual for the<br>V 500 A propeller                                                              |