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**LOG OF REVISION**

<b>Rev. No.:</b>	<b>Description / eligibility</b>	<b>Pages affected:</b>	<b>Date of issue of new page</b>	<b>Date of revision incorporating and signature</b>
11	Implementation of replacement of broken windshield of sliding canopy	0-3, 0-4, 0-5, 0-8, 3-3, 6-1, 6-74A, 6-74B	Oct 24, 2014	

### **3. CHECKS AND REPAIRS**

#### **NOTES:**

- (1) This Chapter provides instructions for checking works specified in the “Summary of Type B, C inspections” – sect. 1.10B (Chapter 1 of this Manual), directions for repairing detected faults and, if necessary, also references to sections or directives which include needed instructions.
- (2) The Chapter is arranged in accordance with the aircraft assembly groups. Headings of individual sections contain numbers of figures, included in the Z 242 L Catalog, for better orientation when ordering spare parts.
- (3) Time periods after which operations outlined in this Chapter (Type B or C inspections) should be accomplished are mentioned in the “Summary of Type B, C inspections” and this Chapter refers only to appropriate paragraphs of the aforesaid summary.

#### **3.1. FUSELAGE**

##### **3.1.1. Canopies**

Figures in Z 242 L Catalog:

C 142.1700-00.00            Cockpit canopy - fixed

L 242.1800-00.00            Cockpit canopy - sliding

Frequency of inspections: as per sect. 1.10B.1, para 1)

##### **1) Sliding canopy**

- (a) Carry out emergency release of the sliding canopy as per MD 6.103 with the help of assistant who protects the canopy from falling-down on ground.
- (b) Check the emergency release mechanism for proper function and suspensions/joints and control levers for condition (distortion, corrosion).
- (c) Grease the emergency release mechanism according to the Lubrication Chart (Directive 6.011, grease No. 6). After installation, check the canopy for proper sliding and locking.

##### **2) Canopy glass**

- (a) Drill out cracks in glass at both ends – see MM1, sect. 7.7. Do not repair “silvering effect”.
- (b) Max. admissible number of cracks on the sliding canopy: 4 cracks on either half of the sliding canopy, 6 cracks on both sides of the sliding canopy glass.
- (c) Procedure for replacement of broken windshield of sliding canopy is mentioned in MM 2, Chapter 6, MD 6.102.

##### **3) Rubber sealing: replace cracked or damaged sealing.**

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## REPLACEMENT OF BROKEN WINDSHIELD OF SLIDING CANOPY

### Note:

This Directive described procedure of replacement of broken windshield in aircraft operation.

### **Groundwork:**

- Carefully remove the canopy windshield from transport cover and clean protective coat. Be careful not to scratch the canopy windshield. Use a soft piece of cloth and clean water with soap.
- Carefully unstick appropriate placards on canopy windshield and store them. They will be used for repeat stick on canopy glass.

### Remark:

- The minimum number of workers performing the replacement is two.

### **Disassembly and assembly work:**

- With the help of the second worker disassemble the right windshield directly on the aircraft. Be careful to avoid damage of aircraft paint.
- Store disassembled fasteners material, part of it will be used for the installation of new windshield.
- With the help of the second worker perform the cab glazing, set the appropriate half of windshield to the canopy frame.

### **Replacement procedure:**

- Follow the procedure according to the Z 242 L Catalog, Drwg. No. L242.1800-00.00. Numbers in the parentheses corresponds to the Catalog items.
- For the determination of the clearance and reconciliation to the body of the aircraft use by manufacturer supplied washers. Combine the washers to achieve required total reconciliation of windshield with cab frame.
- To fill and seal space between screws, respectively washers, use standard double-sided adhesive mounting tape and black silicon sealant, for ex. LOCTITE RTV 593.
- Progressively connect (drill together) windshield with the frame of the cab. In the central part of the joint lenses establish bottom strip (item 13) upper strip (item 12). In the front side fit with cover sheet R.H. (item 41) and then connect.
- After connection remove the cover sheet, drill the holes in the lances (use blunt drill bit or a special cutter to plexiglass) for larger diameters (Ø 6mm) – fit it and prepare for build.
- Progressively set up with fitted parts (items 23, 12, 13, 41) and screw it to frame – fasteners material (see drawing in Catalog).
- Mount the both handle (item 4), including housings (item 10) and washers (item 16) and lock it.
- Install appropriate ventilation window (if installed).
- Carefully clean the places on the glass for the placards and stick them.

### **Finishing works:**

- After replacement check free canopy moving including closing
- Check all connections
- Check properly stuck placards on the windshield.

**Manufacture Directive 6.102****Page 2 of 2**Note:

In case of total disassembly of sliding canopy (see MM 1, Sect. 6.2.1) is necessary when assembling (see MM 1, Sect. 6.2.2) provide emergency canopy release with seal.