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**MANDATORY**  
**SERVICE**  
**BULLETIN**

MANDATORY SERVICE BULLETIN No. Z 242L/22a

1. MODELS AFFECTED: All Z 242L aircraft up to S/N 0696 inc. and from S/N 0700 up to 0703 inc.
2. SUBJECT: Under the influence of the cotter pin wear and corrosion the propeller RPM control system as well as control system of the throttle and the mixture may be disconnected. The same failure can occur at control of the cooling flap, if installed.
3. CORRECTION:
  - 3.1 Replacement of galvanized cotter pins used in the engine compartment at control systems of engine and propeller by the stainless ones of identical sizes.
  - 3.2 Change of pins fit direction.
4. TIME OF COMPLIANCE: Immediately after this Bulletin receipt.
5. CORRECTION PERFORMED BY: The Operator of aircraft.
6. EXPENSES COVERED BY: The Operator of aircraft (the necessary material listed in Sect. 3 of this Bulletin will be delivered free of charge by the Manufacturer).
7. PROCEDURE:
  - 7.1 Replace cotter pins (2 pcs) 1.6x10 ČSN 02 1781.04 used to lock the pins in control levers of the injector (the throttle control on the right and the mixture control on the left; it does not concern cotter pins on the connecting rod that is a part of the injector) by cotter pins made of stainless steel according to Table 7.4.  
To make next check for the cotter pin condition easier, place the pin with its head directed towards the engine axis.
  - 7.2 Replace the cotter pin 1.6x10 ČSN 02 1781.04 in the pin of the propeller SPEED governor lever (the engine backwall) by the cotter pin made of stainless steel according to Table 7.4.  
Torque preload of the teleflex clevis must be kept because it holds the control handle in the cockpit in the locked position. Due to this preload the pin is shifted-out forwards from the clevis bores when the governor lever is moved. For this reason the pin should be

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fitted-on with its head backwards (the shift is precluded by the pin head, not by the cotter pin).

- 7.3 Replace galvanized cotter pins 1.6x10 (1 pc) and 1x8 ČSN 02 1781.04 (1 pc) by cotter pins made of stainless steel acc. to Table 7.4 in pins of the cooling flap control mechanism (on the firewall), if the cooling flap is installed.

#### 7.4 Table of equivalent substitutes

Original cotter pin (galvanized)	Substitute (stainless steel)
1.6x10 ČSN 02 1781.04	1.6x10 ISO 1234 Rostfrei or 1/16x5/8 MS 24665-152
1 x 8 ČSN 02 1781.04	1 x 8 ISO 1234 Rostfrei or 1/32x3/8 MS 24665-152

#### CAUTION:

Prior to installing a new cotter pin check hole edges in the pin and remove sharp edges and/or burres, if any.

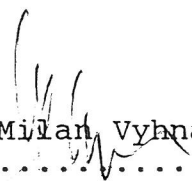
8. NECCESARY MATERIAL: According to Table 7.4:  
4 pcs of cotter pins 1.6x10 or 1/16x4/8 made of stainless steel  
1 pc of cotter pin 1x8 or 1/32/3/8 made of stanless steel  
Delivered with this Bulletin by the manufacturer.

9. THISS BULLETIN IS EFFECTIVE FROM THE DATE OF APPROVAL BY THE CIVIL AVIATION INSPECTORATE.

10. ENCLOSURE: The necessary material listed in Sect. 8 of this Bulletin.

  
František Tížek

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Manufacturer's  
Representative

  
Milan Vyhálek

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CAI Representative

24.5.1996  
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Date of approval by CAI

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