



DETALIUL „D”

D.Z.

Piuliță M5x0,8-3,1  
NA 51.123  
Șaibă 5x1-2,1 NA 51.201

Ansamblu tijă  
28 M2-M02-0162.00

Șurub special  
28 M2-M02-402.20

Coardă pian  $\phi 2$

Șaibă 6x1,5-2,1 NA 51.201

Piuliță M6x1-31 NA 51.123

$\sim 12$   
îndoire la  $60^\circ$

**ANEXA 1**



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# **IS-28M2/GR/CO-01**

## **MANDATORY SERVICE BULLETIN**



**APPROVED BY** : ROMANIAN CIVIL AIRWORTHINESS AUTHORITY

with no. 14007/ 11.11.1998

**PRODUCT** : IS-28M2/GR MOTOR GLIDER

**SUBJECT** : REPLACEMENT OF THE SPECIAL SCREW 28M2.M02.402.20  
FOR PROPELLER PITCH CONTROL

**COMPLIANCE** : MODIFICATION RECORD CARD 28M2.07.0.1187 ISSUED BY  
IAR S.A. BRAȘOV



## 1. PLANNING INFORMATION

### 1.A. APPLICABILITY

This Service Bulletin has a MANDATORY character and is applied only to the IS-28M2/GR motor gliders S/N 75,77,78,79 by the users.

To the motor glider S/N 76 and to the motor gliders beginning with S/N 80 the modification is applied at IAR.

### 1.B. REASON

When mounting the propeller pitch control, a weakening tendency was noticed to the 28M2.M02.402.20 special screw at repeated tightenings of the piano wire locking nut (M5x0.8-3.1).

### 1.C. DESCRIPTION

- Dismount the 28M2.M02.402.20 special screw together with the piano wire from the 28M2.M02.162.00 rod assy;
- Dismount the piano wire from the 28M2.M02.402.20 special screw;
- Mount the piano wire on the 28M2.M02.402.20 modified special screw;
- Mount the 28M2.M02.402.20 modified special screw together with the piano wire on the 28M2.M02.0162.00 rod assy;

### 1.D. ACCOMPLISHMENT

The application of this Service Bulletin is the user's responsibility.

### 1.E. MATERIAL-COST AND AVAILABILITY

The application costs will be borne by the motor glider user.

The necessary parts will be delivered free of charge by IAR SA, as follows :

- 28M2.M02.402.20 modified special screw ;
- M6x1-3.1 NA 51123 nut – with ovalized collar, for self-locking;
- 6x1,5-2.1 NA 51201 washer;

### 1.F. TOOLING

Usual tools included in the motor glider tool kit (wrench kit).

### 1.G. WEIGHT AND BALANCE

Not affected.

### 1.H. REFERENCES

28M2.07.0.1187 Modification Record Card / IAR S.A. Brașov.



### **1.I. DOCUMENTS AFFECTED**

None.

## **2. ACCOMPLISHMENT INDICATIONS**

### **2.A. WORK PREPARATION**

Open the cockpit. The work is carried out under the instrument panel, in the front area.

### **2.B. APPLICATION**

Dismount the 28M2.M02.402.20 special screw from the 28M2.M02.0162.00 rod assy, by removing the M5x0.8 nut and 5x1 washer.

Dismount the piano wire attached to the 28M2.M02.402.20 screw by removing the M5x0.8 locking nut and 5x1 washer and shifting the screw towards the free end of the piano wire. Fix the piano wire on the 28M2.M02.402.20 modified special screw, shifting the screw on the piano wire in the previous position, by tightening the M6x1 nut and 6x1.5 washer. Tightening is carried out until a safe locking of the piano wire is obtained.

Mount the 28M2.M02.402.20 special screw on the 28M2.M02.0162.00 rod assy by tightening the M5x0.8 nut and 5x1 washer.

Check the propeller pitch control operation by actuating the control handles several times. Check if there is no relative movement between the piano wire and the 28M2.M02.402.20 special screw, caused by the insufficient tightening of nut (M6x1).

### **2.C. USING INSTRUCTIONS**

None.

## **3. MATERIAL INFORMATION**

### **3.A. MATERIAL LIST**

- a) 28M2.M02.402.20. modified screw ;
- b) M6x1-3.1 NA 51123 nut with ovalized collar, for self-locking;
- c) 6x1,5-2.1 NA 51201 washer;

### **3.B. MODIFICATION LIST**

The modified special screw has the locking part of the piano wire increased from M5 to M6. The nut providing the piano wire tightening is increased from M5 to M6. The washer pressing the piano wire is increased from 5x1 to 6x1.5.



### **3.C. SUPPLY INDICATIONS**

IAR S.A. delivers free of charge the 28M2.M02.402.20 modified special screw, the M6x1-3.1 NA 51123 nut and 6x1,5-2.1 NA 51201 washer.

## **4. IDENTIFICATION**

The application of this Service Bulletin shall be recorded in the motor glider log card. The Service Bulletin is accompanied by Appendix 1.

## **5. APPENDICES**

- Appendix 1 (explanatory drawing).

# APPENDIX 1

