

M.I.C.M. - C.N.I.A.R.
INTREPRINDEREA DE CONSTRUCTII AERONAUTICE
- B R A S O V -

MANDATORY SERVICE BULLETIN

IS-28M2/CO-14

APPROVED BY:

DEPARTMENT OF CIVIL AVIATION
No. 13486/06.12.1985

PRODUCT:

IS-28M2 motor glider

OBJECT:

Replacement of Bowden shell support
to the left braking cable and mounting
of brake pedal stops.

COMPLIANCE:

Revision Record Cards 419/26.12.1984
and 420/26.12.1984

DATE: 06.12.1985

IS-28M2/CO-14

Pag. 1/4

1. PLANNING INFORMATION

A. Applicability

This bulletin shall be applied to all IS-28M2 motor gliders up to serial no. 66 inclusive. The Bowden shell support of the left braking cable must be IMMEDIATELY checked. If showing any cracks, the present bulletin shall be applied. If showing no cracks, the bulletin is applied within maximum 30 days from the receiving.

The bulletin shall be applied by the user for the motor gliders under servicing and by the manufacturing plant for the motor gliders under repair.

B. Reason

Increase of servicing safety.

C. Description

The following works shall be carried out for the motor gliders mentioned to heading A:

- mount the brake pedal stop part no. 28 M2.F02.641 to the joint between the brake pedal and the rod going under the cockpit floor, to both left pilot rudder pedals.
- partially remove the Bowden shell support of the braking cable and mount a new support part no. 28 M2.F01.0458.

D. Compliance

Revision Record Cards 419/26.12.1984 and 420/26.12.1984

E. Accomplishment

The Service Bulletin shall be applied by the motor glider users, according to point 1A.

F. Material Cost and Availability

The manufacturing plant delivers the materials listed to point 3A. The application expenses shall be borne by the user.

G. Tooling

- tool kit, hack-saw blade
- drilling machine
- drills 3.2 mm and 4 mm dia.

H. Weight and Balance

Not affected.

DATE: 06.12.1985

IS-28M2/CO-14

Pag. 2/4

I. References

Accomplishment and mounting sketch, appendix 1 and 2.

J. Documents Affected

None.

2. ACCOMPLISHMENT INDICATIONS

A. Work Preparation

Release the braking cable from the adjusting screw on the left wheel fork and remove the Bowden shell from the stop cover.

B. Application

1. To mount the brake pedal stop to both left pilot rudder pedals (see the sketch in Appendix 1), proceed as follows:
 - remove the cotter pin and take out the pin which achieves the joint between the brake pedal and the brake control rod.

Assemble the two distance washers (5x1-21 NA 51201) by positioning the stop (28 M2.F02.641), by means of a longer pin (A5x20-21 NA 50751).

Secure with a new cotter pin (1.4x16-21 NA 51405)

2. To mount the Bowden shell stop (Appendix 2), proceed as follows:

In the cockpit remove the inspection located on the floor, near the left pilot's left rudder pedal. Remove the left braking cable from the old stop. No matter the technical condition of the stop, this should be cut at the level of the hole passing through the panel (see the sketch) by means of a hack-saw blade and adjust it with a file.

Remove two frame fixing rivets (part no. 28M2.F01.80) according to the sketch, near the old stop.

Simultaneously counterdrill the skin and the new stop (2+6=8 holes of 4 mm dia). The counterdrilling can be achieved by positioning the stop on the skin outer side, under the motor glider, near the two holes from which the rivets were removed. Position the stop inside the motor glider and fix it by means of 8 screws M4x0.7 and 8 self - locking nuts.

Introduce the Bowden shell into the new stop.

DATE: 06.12.1985

IS-28M2/CO-14

Pag. 3/4

Introduce the Bowden shell into the stop on the wheel fork and adjust the left brake control by comparing it to the right one. Mount the inspection cover in the cockpit floor. Perform several ground runs with the motor glider, checking the left wheel braking mode and, if necessary, adjust again from the screw on the left wheel fork to obtain a correct and even braking to both wheels.

C. Using Indications

If the brake adjustment is correct, there will be no problems during servicing.

3. MATERIAL INFORMATION

A. Material List

For brake pedal stop:

- brake pedal stop part no. 28M2.F02.641 2 pcs.
- pin A5x20-21 NA 50751 2 pcs.
- washer 5x1-21 NA 51201 4 pcs.
- cotter pin 1.4x16-21 NA 51405 2 pcs.

For Bowden shell stop:

- Bowden shell stop 28M2.F01.0458 1 pc.
- screw AM4x0.7-10-31 NA 50026 8 pcs.
- split self - locking nut M4x0.7-21 NA 51101 8 pcs.
- washer 4x0.8-21 NA 51201 8 pcs.

B. Tooling List

The necessary tooling is specified to point 1G.

C. Supply Indications

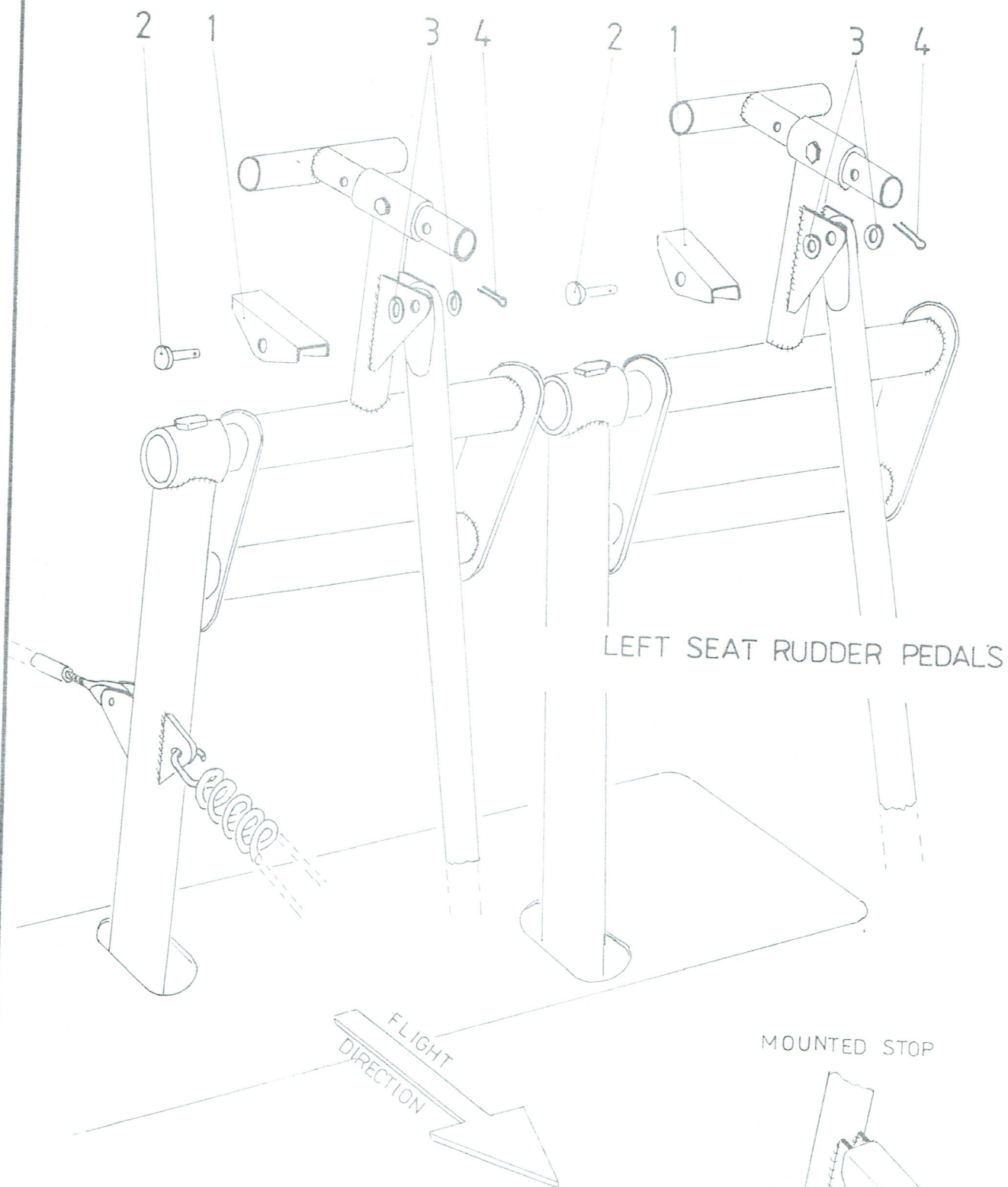
According to the possibilities of the workshop authorized to accomplish the work.

4. IDENTIFICATION

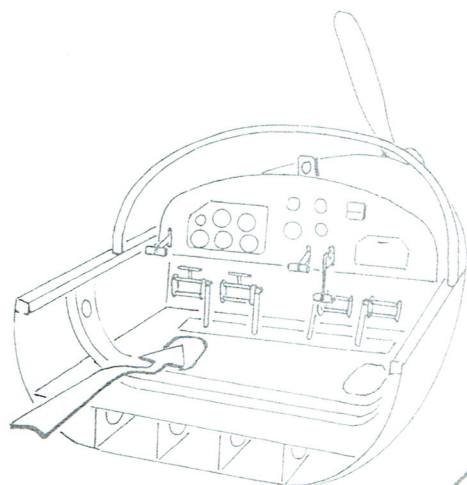
The bulletin application shall be recorded in the motor glider log book.

5. APPENDICES

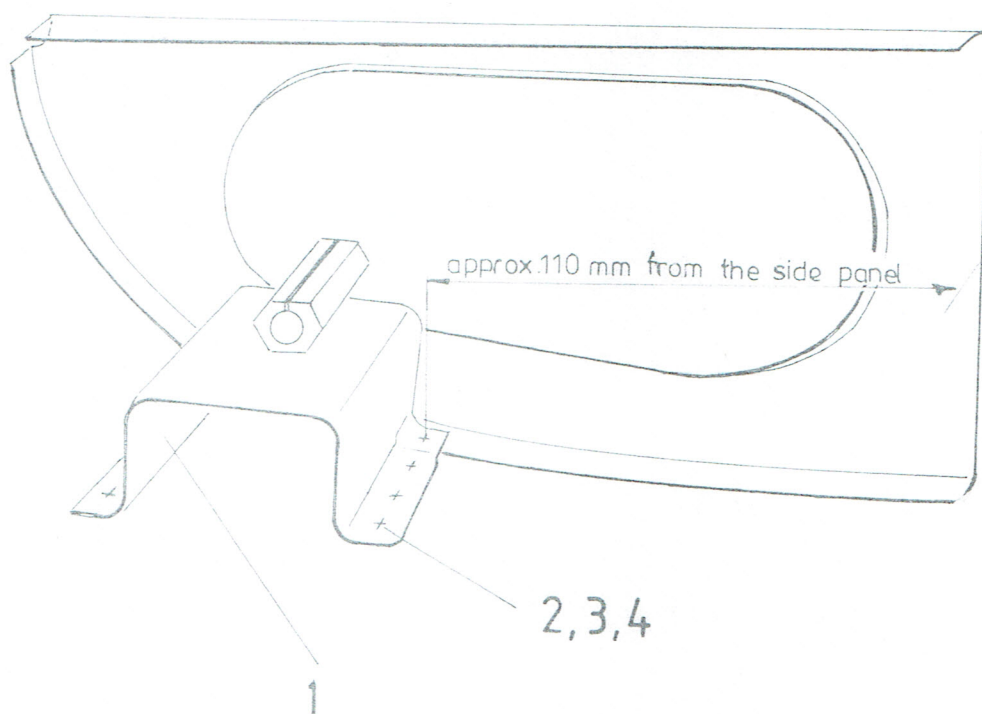
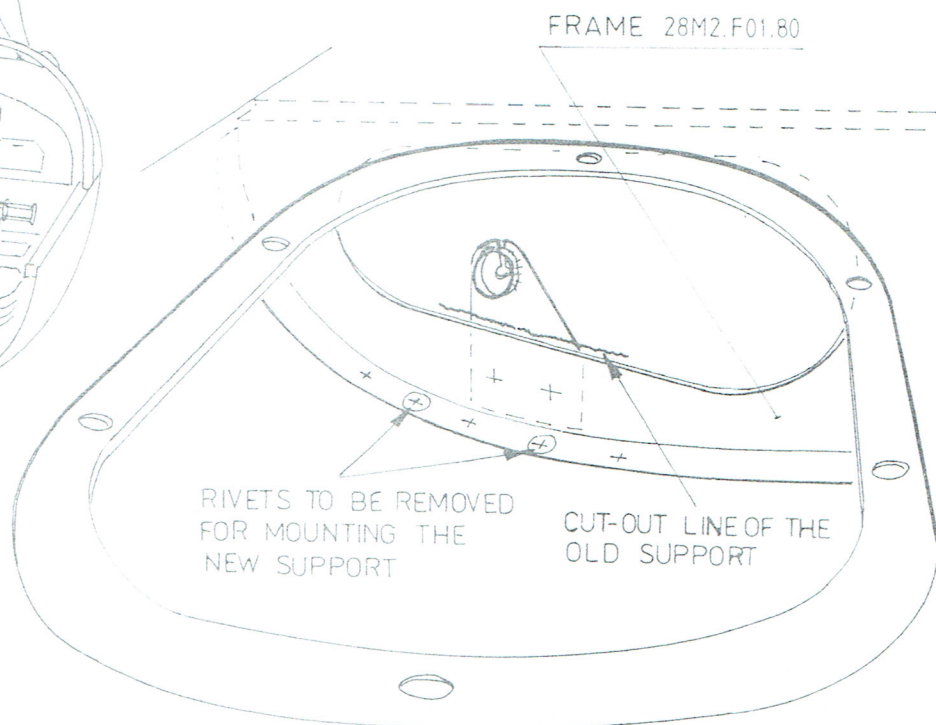
Two explanatory sketches.



1. BRAKE PEDAL STOP	28M2.F02.641	2 buc.
2. BOLT A5×20-21	NA 50751	2 buc.
3. WASHER 5X1-21	NA 51201	4 buc.
4. COTTER PIN 1.4 X16-21	NA 51405	2 buc.



INSPECTION COVER



1. BOWDEN SHELL STOP	28M2.F01.0458	1 buc.
2. SCREW AM4×0,7-10-31	NA 50 026	8 buc.
3. STOP NUT M4×0,7-21	NA 51 101	8 buc.
4. WASHER 4X 0,8-21	NA 51 201	8 buc.

BS-C0-14

APPENDIX 2

Page: 1 / 1