



## AIRWORTHINESS DIRECTIVE

**TYPES AFFECTED:**

SZD 30, SZD 30B, SZD 30C PIRAT SAILPLANES

**SUBJECT:**

Inspection/replacement of alloy fork fitting at bottom of elevator actuating rod.

**BACKGROUND:**

Manufacturers Service Bulletin BR-025/82 Pirat, requests immediate replacement of the above component.

Because of parts supply difficulties, this A.D. asks for inspection and replacement to give operators time. The Bulletin forms Sheets 2,3,4, & 5 of this A.D.

**REQUIRED ACTION:**

(Overrides Bulletin Required actions)

(1) Before next Flight

Remove and inspect the threaded section of the rod end for cracks both by magnifying glass and dye penetrant. Cracked components to be replaced before further flight.

(2) At 50 hour intervals

Repeat the above inspection, until the component is replaced with a steel component.

(3) At or Before next Form 2

Replace the alloy component with an identical steel component either supplied by the manufacturer or manufactured in Australia to a GFA approved drawing.

**IMPLEMENTATION:**

Inspection/replacement can be carried out by any person authorised on their 1109 for component replacement or higher,

**LOG BOOK:**

Full details of inspection/replacement to be entered into the sailplane's log book.

**COMPLIANCE:**

The requirements of this Airworthiness Directive are mandatory. This Directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Aviation.

Issued by:

Chief Technical Officer  
Airworthiness

For and on behalf of

GLIDING FEDERATION OF AUSTRALIA

10/10/1983

Sheet 1 of 5

BULLETIN NO BR-025/82 "PIRAT"

Ref: Replacement of the duraluminium fork end with groove as a part of vertical push-rod of elevator control circuit for a new steel one of the same type.

Way of introducing: Introduce immediately after being supplied with this Bulletin.

Elaborated in : PDPS "PZL BIELSKO" on Nov. 15, 1982

This text is the translation of Polish version approved by CACA.

1. Grounds for introducing this Bulletin

This Bulletin is introduced as a result of appearing of micro-cracks at the thread root /in riffles/ of the duraluminium fork-end with groove being the part of vertical push-rod of elevator control circuit. This Bulletin introduces the change depending on the replacement of duraluminium end for the steel new one of the same type.

2. List of gliders covered with this Bulletin

This Bulletin concerns all the operated gliders of "PIRAT" type i.e. SZD-30, SZD-30B and SZD-30C /produced by PDPs Bielsko, PDPs Jezów and WSK Swidnik/.

3. List of enclosures

Sketch Fig. 1 showing the location of concerned push-rod on the glider and of the end on push-rod is enclosed this Bulletin.

4. Description of change

The introduced change depends on the replacement of duraluminium fork end with groove made acc. to design drawing 03-02-00 or 19.65.54.004.00 for a new one of the same shape but of steel.

5. Procedures of execution of the change introduced by this Bulletin

To replace the above described fork end with groove follow the procedures:

- 5.1. Disassemble the elevator to push-rod connection.  
Take-off the stabilizer.
- 5.2. Take-off the rudder.
- 5.3. Disassemble the elements connecting the elevator push-rod end with actuating lever.

- 5.4. Measure the length of protruding of fork end with groove in respect to the push-rod, then dissecure and screw out the end.
- 5.5. Screw in the delivered steel end /on the previously measured length/ together with the washer and nut - do not secure.
- 5.6. Assemble the push-rod. Put on the horizontal tailplane /acc. to Technical Service Manual direction/.  
In case the elevator deflections are correct tighten the nut and bend the securing washer /6.2./.

#### 6. Final statements

Producer supplies together with this Bulletin:

- 6.1. Fork ends with groove acc. to 03-02-00 /19.65.54.004.00/ of steel 45 N, 1 piece.
- 6.2. Securing washer acc. to BN-66/3833-02 /St. 2/, 1 piece

The change is to be executed by the user himself.  
Execution of this work shall be noticed in the glider documents and accepted by the Authority.

- THE END -

