

COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF TRANSPORT

AIRWORTHINESS DIRECTIVE GLIDERS

GFA AD/132 FFA 6

GLIDER TYPES AFFECTED: Diamant HBV 16.5 and 18 All Serial Nos.

BACKGROUND:

In one glider a bent fork end was detected.

REQUIRED ACTION:

Inspection and where necessary replacement of the fork end as per attached Service Bulletin Diamant No. 09.

COMPLIANCE:

Before the next flight as well as after hard impact of the fuselage end or at signs of noseheaviness.

This directive is mandatory.

This directive is issued pursuant to Air Navigation Regulations under the delegated authority of the Secretary of the Department of Transport.



(Douglas Lyon)

CHIEF TECHNICAL OFFICER AIRWORTHINE  
GLIDING FEDERATION OF AUSTRALIA

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# SERVICE BULLETIN

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## INSPECTION AND POSSIBLE REPLACEMENT OF FORK END OF ELEVATOR PUSH ROD IN VERTICAL TAIL

### 1. Planning information

1.1 Applies to the following gliders:

- Type : DIAMANT HBV, 16,5 and 18
- Serial Nos.: all

1.2 Reason: In one glider a bent fork end was detected

1.3 Purpose of the present bulletin: Instruction for visual inspection and, where necessary, replacement of the fork end

1.4 Compliance: Before the next flight as well as after hard impact of the fuselage end or at signs of noseheaviness

1.5 Approval: Approved by the Swiss Federal Air Office

1.6 Man power:

- 1.6.1 Inspection: 2 man-hours
- 1.6.2 Repair : 8 man-hours

1.7 Material: Fork end D1.206-0405, available from Repair AG  
Locking lacquer

1.8 Tools: 2 Ring spanners 11 mm

1.9 Weight: Not affected

1.10 Balance: Not affected

1.11 Reference to other publications: - Flight Manual  
- Repair Manual

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## 2. Accomplishment instructions

### 2.1 Visual inspection

#### 2.1.1 Remove rudder as follows:

2.1.1.1 Push rudder to the right deflection limit so that the bolt is visible through the opening on the left side of the rudder.

2.1.1.2 Remove bolt at the end of the push rod (bolt with nut).

2.1.1.3 Remove bearing bolts.

2.1.1.4 Remove rudder from the bearing block by pulling the rudder backwards. As soon as the rudder is off the bearing block, pull the rudder downwards to remove it from the upper bearing.

2.1.2 Visual inspection of the lower elevator push rod fork end for deformation or cracks.

2.1.3 If the fork end is found without defects, the rudder may be mounted in reversed order to item 2.1.1.

### 2.2 Repair instructions

2.2.1 When damaged, the fork end has to be replaced by a new one D1.206-0405. In order to adjust the new fork end to the same total rod length, the distance between the fork end and the rod shall be measured and noted beforehand.

2.2.2 Check deflections ( $\pm 10^0$ ) according to the Repair Manual.

2.2.3 Secure lock nuts with locking lacquer.

2.2.4 Mount rudder in reversed order to item 2.1.1.

2.2.5 Check rudder and elevator controls for free play.

<p>This Service Bulletin shall be kept with the Technical Documents. Is compliance shall be entered in the log book and reported to the manufacturer</p>
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