

# AIRWORTHINESS DIRECTIVE

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*Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.*

Translation of 'Consigne de Navigabilité' ref. : 2002-421(A) R2  
In case of any difficulty, reference should be made to the French original issue.

## SN CENTRAIR

### Gliders CENTRAIR 201 "Marianne"

Horizontal stabilizer (ATA 27)

#### 1. APPLICABILITY

The present Airworthiness Directive (AD) is applicable to CENTRAIR 201A and 201B "Marianne" gliders all serial numbers.

#### 2. REASONS

Cases of local disbonding between the external skin and foam core of the structure of the horizontal stabilizer have been found in the past, and non mandatory inspections had been proposed by SN CENTRAIR.

A new severe case of disbonding of the external skin from the foam core of the stabilizer has recently occurred. This disbonding, together with play in hinges of elevator may lead to flutter and uncontrolled vibrations of the horizontal stabilizer.

The Revision 2 of the Service Bulletin SN CENTRAIR 201-06 introduce a chart which gives correspondence between serial numbers of gliders and horizontal stabilizers manufacturing numbers. This correspondence was accurate when gliders were delivered new from SN CENTRAIR. This chart does not take into account exchanges between gliders, performed after delivery and therefore not known from the manufacturer. It has been decided with Revision 3 SB 201-06 to remove the chart which could give a confusing information to the operator.

Revision 1 of this AD mandates Revision 3 of the referenced Service Bulletin as the only applicable document.

It has been reported that the manufacturing number of the here above referenced horizontal stabilizer may not be legible or may have disappeared. Thus revision 2 of this AD widens its effectivity to all the glider serial numbers.

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### 3. **COMPLIANCE**

The following measures are made mandatory from the effective date of this AD at the original issue and in accordance with the Service Bulletin in reference:

- 3.1.** Before the next flight, remove the horizontal stabilizer in order to check the manufacturing number. If the manufacturing number is above 80078, no further action is required.

If the horizontal stabilizer manufacturing number is within 80001 to 80078, perform inspections and corrective actions as per paragraph 3.2. below.

**3.2.** Inspections:

- 3.2.1.** Perform a percussion inspection of horizontal stabilizer as per instructions given in the SN CENTRAIR glider maintenance manual page 5.11bis and paragraph A1) and A2) of the Service Bulletin in reference. If disbonding is found, prior further flight, contact SN CENTRAIR.

- 3.2.2.** Check the absence of clearance on the elevator flap hinges and proper tightening of hinges on spar as per instructions given in paragraph C) of the Service Bulletin in reference.

If clearance is found in the hinges, replace the hinges bush (P/N \$W069C) before the next flight.

If clearance is found between the hinge fittings at the spar, prior further flight, contact SN CENTRAIR.

- 3.3.** If later the horizontal stabilizer is replaced, repeat the measures of paragraph 3.1. of this AD.

Record the application of this AD in the aircraft log book.

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**REF.:** Service Bulletin SN CENTRAIR No. 201-06 Revision 3 dated October 16, 2002  
SN CENTRAIR "Marianne" glider maintenance manual at the latest revision.

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| This Revision 2 replaces AD 2002-421(A) R1 dated December 11, 2002.

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**EFFECTIVE DATES :**

**Original AD :** Upon receipt of telegraphic AD  
from AUGUST 02, 2002  
**Revision 1 :** DECEMBER 21, 2002  
**Revision 2 :** FEBRUARY 15, 2003