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# AIRWORTHINESS DIRECTIVE

THE GLIDING FEDERATION OF AUSTRALIA Inc

## GFA AD 114 Issue 2

Date: 09 February 2018

Note: This Airworthiness Directive is issued by the Gliding Federation of Australia

<b>Type Certificate Holder</b>	FFA Flugzeugwerke Altenrhein AG
<b>Manufacturer(s)</b>	Flug- und Fahrzeugwerke AG Altenrhein (FFA)
<b>Types/Models Affected</b>	Diamant 16.5 Diamant 18
<b>Serial Numbers</b>	Serial Numbers 11 to 80
<b>Subject</b>	Inspection of Spar Web Bonding
<b>Implementation</b>	Envelope restrictions are required by Action 1 and is <b>MANDATORY</b> . The envelope limitations can be lifted by completing Action 2 of this AD.
<b>Background</b>	<p>GFA issued AD 107 mandated immediate envelope restrictions after unsatisfactory bonding between the spar cap and shear web was found in a Diamant.</p> <p>GFA AD 114 Issue 1 superceded AD 107 and mandated visual inspections of the spar cap to shear web bonding IAW Service Bulletin 06. The envelope restrictions from AD 107 were retained.</p> <p>GFA AD's 130 and 131 mandated further inspection and repair IAW Service Bulletins 07 and 08. At the completion of <b>BOTH</b> AD 130 and AD 131, the envelope restrictions can be removed.</p> <p>Issue 2 of this AD clarifies that the envelope restrictions can be removed by completing both AD 130 and AD 131.</p>
<b>Documentation</b>	<ol style="list-style-type: none"> <li>1. FFA Service Bulletin 06 Inspection of Bonding Lines in Wing and Restriction of Flight Envelope</li> <li>2. FFA Service Bulletin 07 Inspection and Repair of Bonding in Wing</li> <li>3. FFA Service Bulletin 08 Reinforcement of Right Wing Spar Stub</li> </ol>

**Required Action(s)****1. Carry out inspections IAW FFA Service Bulletin 06 (Enclosed).**

Apply a red mark on the airspeed indicator at 90 knots using instrument decal, marking tape or similar. Apply a red placard to the airspeed indicator as shown in Figure 1.

Create a new cockpit placard detailing the envelope restrictions as per paragraph 3 of FFA Service Bulletin 06.

Enter a minor defect into the maintenance release stating "AD114 Issue 2 Action 2 not carried out – Aircraft operating under restricted envelope".

At each Annual Inspection the minor defect is to be entered into the new maintenance release. The cockpit placard, ASI decal and airspeed indicator mark should be inspected for adhesion and clarity.

At each Annual Inspection the Annual Inspection Report is to have a statement "AD114 Issue 2 Action 2 not carried out. Aircraft operating under restricted envelope."



**Figure 1:** ASI Markings for Action 1

**2. Carry out the actions specified in GFA AD's 130 and 131. When this action is complete, the flight envelope may be restored to its original values and the restricted placard, ASI red mark and decal on the airspeed indicator can be removed.**

<b>Compliance, Compliance Time(s) and Frequency</b>	<p>Compliance with this Airworthiness Directive is mandatory and compliance, including action taken pursuant to this Airworthiness Directive must be recorded in the aircraft log book, annually.</p> <p>Action 1 is to be carried out before next flight.</p> <p>Action 2 is to be carried out no later than 1000 flying hours for serial numbers 11 to 25 and no later than 1500 flying hours for serial numbers 26 to 80.</p>
<b>Effect on Weight and Balance</b>	<p>Action 1: No effect on W&amp;B.</p> <p>Action 2: No effect on W&amp;B.</p>
<b>Effective Date</b>	09 February 2018