



## Safety recommendation no. 501

<b>Date of the publication</b>	26.10.2015
<b>Number of the final report</b>	2252
<b>Safety deficit</b>	<p>On 8 September 2013 at 10:52, the Tecnam P2002-JF aircraft, registered as HB-KPB, took off from grass runway 23 at Geneva Airport. The pilot and one passenger were on board. Approximately thirty seconds later, during the initial climb, the pilot heard a noise resembling an electrical short circuit, immediately followed by the sound of an explosion. Just afterwards, acrid, white, toxic smoke appeared around the feet of the two occupants. The pilot began a right turn, informed the air traffic controller of a problem of smoke in the cockpit and of the fact that he wished to rejoin the grass runway 23 circuit.</p> <p>Shortly before rejoining the downwind approach, a second explosion occurred in the cockpit and the production of smoke increased significantly. The occupants were no longer able to see the instruments and were concerned by the smoke. HB-KPB was flying a northerly course when the pilot noticed a grassy field and headed towards it. He then asked the passenger to help him open the canopy and the smoke was sucked out of the cockpit. The pilot made an emergency landing outside the airfield.</p> <p>A defect in the condenser installed in the cabin caused a short circuit, followed by the release of toxic smoke.</p>
<b>Safety recommendation</b>	The European Aviation Safety Agency (EASA) should ensure that the installation of condensers guarantees the safety of occupants in the event of a fault.
<b>Addressees</b>	EASA Europäische Agentur für Flugsicherheit
<b>Stage of the implementation</b>	Not implemented. EASA responded that the components of the electrical circuit meet the standards in force for this category of aircraft and guarantee the safety of the occupants in the event of a defective condenser. For its part, the manufacturer has decided to reduce the period of use of the condensers. EASA is examining the appropriateness of this measure in consultation with the manufacturer.
<b>Investigation report concerning the safety recommendation</b>	<u><a href="#">Rapport final</a></u>