

# Luton Minor III Duet, G-AYTT

**AAIB Bulletin No: 7/97 Ref: EW/G96/09/01 Category: 1.3**

<b>Aircraft Type and Registration:</b>	Luton Minor III Duet, G-AYTT
<b>No &amp; Type of Engines:</b>	1 Rolls-Royce Continental C90-8F piston engine
<b>Year of Manufacture:</b>	1973
<b>Date &amp; Time (UTC):</b>	1 September 1996 at 1455 hrs
<b>Location:</b>	Rochester Airport, Kent
<b>Type of Flight:</b>	Private
<b>Persons on Board:</b>	Crew - 1 - Passengers - 1
<b>Injuries:</b>	Crew - None - Passengers - None
<b>Nature of Damage:</b>	Propeller, right wing tip, landing gear leg, and forward lift-strut
<b>Commander's Licence:</b>	Basic Commercial Pilot's Licence with Instrument and FI Ratings
<b>Commander's Age:</b>	20 years
<b>Commander's Flying Experience:</b>	716 hours (of which 113 were on type) Last 90 days - 192 hours Last 28 days - 65 hours
<b>Information Source:</b>	Aircraft Accident Report Form submitted by the pilot and subsequent telephone enquiries

The aircraft, a unique machine, flew for a short local flight before returning to the circuit to carry out a touch and go landing. A normal approach was flown at 45 kt followed by a touchdown in the three-point attitude. The aircraft appeared to list to the right as the right landing gear collapsed, allowing the machine to ground loop through 180° to the right. The pilot estimated that the speed at the time of collapse was approximately 20 kt.

The pilot stated that a hole in a metal plate forming part of the landing gear structure appeared to have progressively elongated until failure occurred. This allowed the bolt in the hole to be released. He believes that, during a previous repair, the bolt which was utilised was not a close fit in the hole and the wear and elongation had taken place subsequent to the repair and over a prolonged period of time.