

# CFM Shadow Series DD, G-BXZY

<b>AAIB Bulletin No:</b> 6/2002	<b>Ref:</b> EW/G2002/02/12	<b>Category:</b> 1.4
<b>Aircraft Type and Registration:</b>	CFM Shadow Series DD, G-BXZY	
<b>No &amp; Type of Engines:</b>	1 Rotax 582 piston engine	
<b>Year of Manufacture:</b>	1998	
<b>Date &amp; Time (UTC):</b>	16 February 2002 at 1431 hrs	
<b>Location:</b>	Redhill Aerodrome	
<b>Type of Flight:</b>	Private	
<b>Persons on Board:</b>	Crew - 2	Passengers - None
<b>Injuries:</b>	Crew - None	Passengers - N/A
<b>Nature of Damage:</b>	Nose landing gear leg and underside of fuselage	
<b>Commander's Licence:</b>	Private Pilots Licence with Instructor Rating	
<b>Commander's Age:</b>	59 years	
<b>Commander's Flying Experience:</b>	261 hours (of which 220 were on type)	
	Last 90 days - 14 hours	
	Last 28 days - 6 hours	
<b>Information Source:</b>	Aircraft Accident Report Form submitted by the pilot	

The instructor was carrying out circuits and landings with a student on grass Runway 08 Right at Redhill. The weather was good with a light north-easterly wind and the condition of the grass surface was soft. It was the second circuit session of that day for the student. Although the student made a good approach, the aircraft landed on the main gear and bounced. The instructor took control of the aircraft, applied power and corrected the flight path before closing the throttle and setting the aircraft down on the main landing gear. After the nose wheel had been lowered onto the runway, the aircraft continued for approximately 40 feet before the nose landing gear collapsed. It continued for another 15 feet before stopping. The instructor closed down the aircraft and both persons vacated the aircraft through the normal exit.

Because of the soft runway conditions, it was possible to follow the tyre marks left in the grass which showed that the nose wheel had entered a small hollow at the point where the nose landing gear had collapsed. As the aircraft was used extensively for training, the instructor considered that

it was possible that the nose landing gear was already damaged and contact with the hollow in the runway surface had 'snapped' the nose leg.