

AAIB Bulletin No: 10/93

Ref: EW/G93/07/12

Category: 1.3

Aircraft Type and Registration: Rand KR-2, G-BRJY

No & Type of Engines: 1 Revmaster 2100D piston engine

Year of Manufacture: 1990

Date & Time (UTC): 11 July 1993 at 1605 hrs

Location: Bournemouth Airport, Dorset

Type of Flight: Private

Persons on Board: Crew - 1 Passengers - None

Injuries: Crew - None Passengers - N/A

Nature of Damage: Right main landing gear collapsed, abrasion of lower surface of right wing, and propeller damaged

Commander's Licence: Private Pilot's Licence with Night Rating

Commander's Age: 40 years

Commander's Flying Experience: 127 hours (of which 9 were on type)
Last 90 days - 15 hours
Last 28 days - 8 hours

Information Source: Aircraft Accident Report Form submitted by the pilot

The aircraft departed Cranfield at 1430 hrs for a VFR flight to Bournemouth. The pilot reports that on arrival at Bournemouth, due to low level turbulence he made his first approach to runway 26 with the flaps up and at higher speed than the normal approach speed. Because the turbulence appeared to increase as the aircraft approached the runway the pilot carried out a go-around and positioned the aircraft for a second approach. On this approach he used full flap and maintained the normal 55 to 60-kt approach speed. The low level turbulence appeared to be less severe, however as the landing flare was initiated, the rate of descent increased rapidly and the aircraft made a heavy landing during which the right main landing gear collapsed and broke away. Thereafter the aircraft slid along the runway for a further 250 yards before veering off to the right and coming to rest on the grass. The pilot, who had been wearing a full upper torso restraint harness, vacated the aircraft without injury. The airport emergency services arrived within one minute of the accident.

Weather conditions at the time of the accident were fine with half cover of cumulus cloud at 3,000 feet. The surface wind was reported to be 300°/15 kt.