No: 9/91 Ref: EW/G91/07/05 Category: 1c

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

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

Year of Manufacture: 1990

**Date & Time (UTC):** 3 July 1991 at 1835 hrs

Location: Cambridge Airport

Type of Flight: Private

Persons on Board: Crew - 1 Passengers - None

Injuries: Crew - None Passengers - N/A

Nature of Damage: Broken propeller and minor damage to underside of

fuselage

Commander's Licence: Private Pilot's Licence with IMC rating

Commander's Age: 45 years

Commander's Flying Experience: 321 hours (of which one was on type)

**Information Source:** Aircraft Accident Report Form submitted by the pilot

The pilot was carrying out a series of familiarisation flights on the type, and the first flight had comprised 30 minutes duration and a landing from which the pilot back tracked and took off again. The landing gear was raised satisfactorily, but on return to the circuit the pilot was unable to lower the gear.

The landing gear operating system uses a cable to transmit motion to a fork end which is situated below the cockpit floor. The pilot was able to detect, by feel, that the fork end had become detached from the cable where it is normally attached by a split pin. A secondary system to lower the gear is available, but this joins the primary system at the fork end and was also inoperative.

The pilot attempted for 20 minutes to operate the fork end by hand, but was unsuccessful. He then liaised with the Cambridge ATC who alerted the emergency services, and made a powered approach to the grass runway as slowly as his experience gained from the previous landing allowed. As he crossed the threshold he switched off the magnetoes, fuel cock and master switch, and came to rest in about 20 metres.

The emergency services arrived on the scene within seconds and the pilot wishes to record his appreciation of the support offered by them and the Cambridge ATC.