

No: 10/88

Ref: EW/G88/07/12

Category: 1c

Aircraft Type and Registration: Rockwell Commander 114A, G-NATT

No & Type of Engines: 1 Lycoming IO-540-T4B5D piston engine

Year of Manufacture: 1979

Date and Time (UTC): 23 July 1988 at 1030 hrs

Location: Norwich Airport, Norfolk

Type of Flight: Private (business)

Persons on Board: Crew - 1 Passengers - 3

Injuries: Crew - None Passengers - None

Nature of Damage: Damage to right undercarriage components and right wing

Commander's Licence: Private pilot's licence with IMC, Instrument, Night and Full Instructor's Ratings

Commander's Age: 52 years

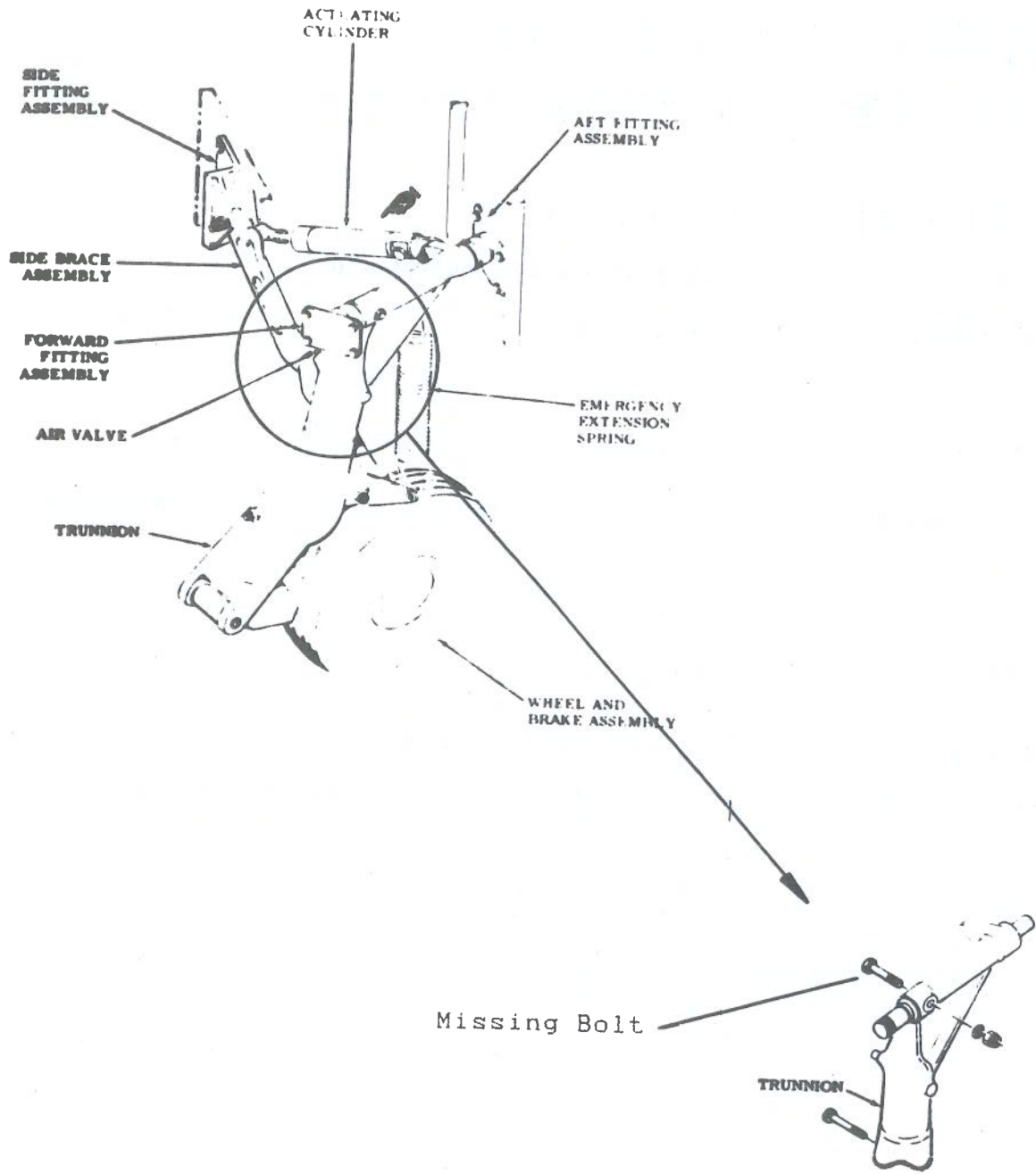
Commander's Total Flying Experience: 2500 hours (of which 50 were on type)

Information Source: Aircraft Accident Report Form submitted by the pilot and AAIB enquiries

After an uneventful flight from Manchester, the aircraft was positioned for a visual approach to Runway 27 at Norwich. The landing was quite normal until the latter stages of the ground roll when the right main landing gear collapsed and the aircraft "ground-looped" to the right. It came to rest on grass to the right of the runway with all occupants able to quickly make their escape.

The aircraft was recovered by local maintenance personnel, who took the opportunity to examine the collapsed landing gear. With reference to Figure 1, it was quickly determined that the main pivot shaft at the top of the leg had moved forward, allowing the rear end to disengage from its aft fitting assembly. It was apparent that a bolt was missing from the forward end of this shaft. This bolt is intended to retain the front spigot in the shaft. It was therefore possible for this front spigot to move within the shaft.

Examination of the aircraft's log books revealed that it was repainted in March 1985, that the last C of A inspection was carried out in April 1986 and that two annual inspections had been carried out since that date.



MAIN UNDERCARRIAGE DETAILS - ROCKWELL COMMANDER 114A