

**Aviation Safety Investigation Report
199802413**

**Embraer-Empresa Brasileira de
Aeronautica
Bandeirante**

27 June 1998

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Investigations commenced on or before 30 June 2003, including the publication of reports as a result of those investigations, are authorised by the Executive Director of the Bureau in accordance with Part 2A of the Air Navigation Act 1920.

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NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at www.atsb.gov.au.

Occurrence Number: 199802413 **Occurrence Type:** Incident
Location: Port Lincoln, Aerodrome
State: SA **Inv Category:** 4
Date: Saturday 27 June 1998
Time: 1818 hours **Time Zone** CST
Highest Injury Level: None

Aircraft Manufacturer: Embraer-Empresa Brasileira de Aeronautica
Aircraft Model: EMB-110P1
Aircraft Registration: VH-LNB **Serial Number:** 110-441
Type of Operation: Air Transport Domestic Low Capacity Passenger Scheduled
Damage to Aircraft: Nil
Departure Point: Port Lincoln SA
Departure Time: 1800 CST
Destination: Adelaide SA

Crew Details:

<u>Role</u>	<u>Class of Licence</u>	<u>Hours on</u>	
		<u>Type</u>	<u>Hours Total</u>
Pilot-In-Command	ATPL	1220.0	3030

Approved for Release: Friday, August 7, 1998

Shortly after take off, the pilot advised ATS that aircraft operation was abnormal and he was returning to Port Lincoln. The pilot requested emergency services be placed on standby as the aircraft had a hydraulic problem and he was unable to extend the landing gear normally. After successfully carrying out a manual extension of the landing gear the aircraft was landed safely.

A maintenance investigation revealed a cracked flared fitting in the hydraulic system, which allowed the system fluid contents to be lost. The fitting was changed and the aircraft returned to service. The fitting is the subject of a Defect Report to CASA.

