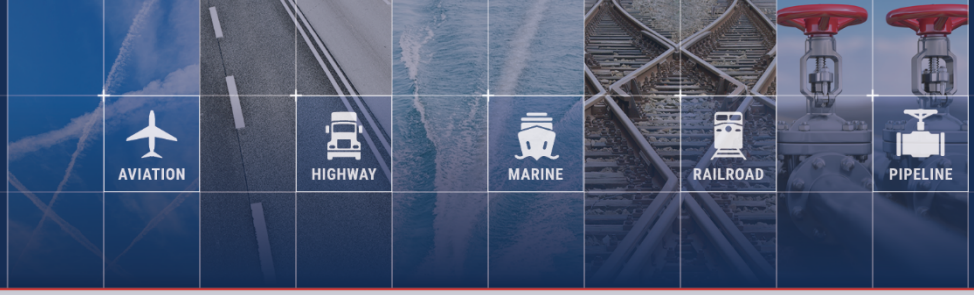

Aviation Investigation Final Report

Location:	BIRMINGHAM, Alabama	**Accident Number:**	ATL83LA368
Date & Time:	September 11, 1983, 18:30 Local	**Registration:**	N3199L
Aircraft:	CESSNA 310J	**Aircraft Damage:**	Substantial
Defining Event:		**Injuries:**	4 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE ACFT LANDING GEAR COLLAPSED DURING LANDING. AN FAA INSPECTOR SAID THE GEAR MADE GRINDING NOISES WHEN EXTENDED. DURING A FLY-BY THE LEFT GEAR DOOR APPEARED TO BE JAMMED. REPORTEDLY THE LANDING GEAR TRANSMISSION ASSEMBLY FAILED.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: APPROACH - VFR PATTERN - DOWNWIND

Findings
1. (C) LANDING GEAR,NORMAL RETRACTION/EXTENSION ASSEMBLY - FAILURE,TOTAL
2. (C) LANDING GEAR,NORMAL RETRACTION/EXTENSION ASSEMBLY - BINDING(MECHANICAL)

Occurrence #2: COMPLETE GEAR COLLAPSED
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Factual Information

Pilot Information

Certificate:	Commercial; Flight instructor	**Age:**	31,Male
Airplane Rating(s):	Multi-engine land	**Seat Occupied:**	Unknown
Other Aircraft Rating(s):		**Restraint Used:**	
Instrument Rating(s):	Airplane	**Second Pilot Present:**	No
Instructor Rating(s):		**Toxicology Performed:**	No
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	November 30, 1982
Occupational Pilot:	Yes	**Last Flight Review or Equivalent:**	
Flight Time:	3367 hours (Total, all aircraft), 50 hours (Total, this make and model), 99 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	**Registration:**	N3199L
Model/Series:	310J 310J	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:	Normal	**Serial Number:**	310J0199
Landing Gear Type:	Retractable - Tricycle	**Seats:**	4
Date/Type of Last Inspection:	August 10, 1983 Annual	**Certified Max Gross Wt.:**	5100 lbs
Time Since Last Inspection:	23 Hrs	**Engines:**	2 Reciprocating
Airframe Total Time:	3498 Hrs	**Engine Manufacturer:**	CONTINENTAL
ELT:	Installed	**Engine Model/Series:**	IO-470-D27
Registered Owner:	AUSTIN HINDS	**Rated Power:**	260 Horsepower
Operator:		**Operating Certificate(s) Held:**	
Operator Does Business As:		**Operator Designator Code:**	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Dusk
Observation Facility, Elevation:	BHM ,644 ft msl	**Distance from Accident Site:**	
Observation Time:	19:53 Local	**Direction from Accident Site:**	
Lowest Cloud Condition:	Scattered / 4000 ft AGL	**Visibility**	4 miles
Lowest Ceiling:	Overcast / 10000 ft AGL	**Visibility (RVR):**	
Wind Speed/Gusts:	12 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	180°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	30 inches Hg	**Temperature/Dew Point:**	26°C / 18°C
Precipitation and Obscuration:	N/A - None - Haze		
Departure Point:	ALBERTVILLE , AL (8A0)	**Type of Flight Plan Filed:**	None
Destination:		**Type of Clearance:**	None
Departure Time:	00:00 Local	**Type of Airspace:**	Class D

Airport Information

Airport:	BIRMINGHAM BHM	**Runway Surface Type:**	Asphalt
Airport Elevation:	644 ft msl	**Runway Surface Condition:**	Wet
Runway Used:	23	**IFR Approach:**	
Runway Length/Width:	10000 ft / 150 ft	**VFR Approach/Landing:**	Precautionary landing

Wreckage and Impact Information

Crew Injuries:	1 None	**Aircraft Damage:**	Substantial
Passenger Injuries:	3 None	**Aircraft Fire:**	None
Ground Injuries:	N/A	**Aircraft Explosion:**	None
Total Injuries:	4 None	**Latitude, Longitude:**	

Administrative Information

Investigator In Charge (IIC):	Hicks, Preston
Additional Participating Persons:	
Original Publish Date:	
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=6204