



National Transportation Safety Board Aviation Accident Final Report

Location:	FAIRBANKS, AK	Accident Number:	ANC86LA052
Date & Time:	05/01/1986, 1800 AKD	Registration:	N2536B
Aircraft:	Consolidated-Vultee L-13	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

DURING THE TAKEOFF ROLL THE PILOT LOST CONTROL OF THE AIRCRAFT, THE ACFT EXITED THE RUNWAY AND ROLLED OVER ON ITS RIGHT SIDE. THE INSPECTION OF BOTH TAILWHEEL AND TAILWHEEL ASSEMBLY REVEALED VERY LOOSE CABLES BETWEEN THE LOCKING HANDLE AND THE TAILWHEEL. AT THE TIME OF THE ACCIDENT THE PILOT HAD ONLY SIX HOURS IN THE TYPE OF AIRCRAFT.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) LANDING GEAR, TAILWHEEL ASSEMBLY - INOPERATIVE
2. (C) AIRCRAFT PREFLIGHT - IMPROPER - PILOT IN COMMAND
3. (C) LANDING GEAR, TAILWHEEL ASSEMBLY - LOOSE
4. (C) AIRCRAFT HANDLING - INADEQUATE - PILOT IN COMMAND
5. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: TAKEOFF - ROLL/RUN

Factual Information

Pilot Information

Certificate:	Commercial	Age:	55, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Left
Other Aircraft Rating(s):	Helicopter	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	02/24/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	4000 hours (Total, all aircraft), 6 hours (Total, this make and model), 4000 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Consolidated-Vultee	Registration:	N2536B
Model/Series:	L-13 L-13	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:		Serial Number:	47355
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	04/28/1986, Annual	Certified Max Gross Wt.:	3550 lbs
Time Since Last Inspection:	5 Hours	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	R-680
Registered Owner:	PHILLIP SCHACHT	Rated Power:	300 hp
Operator:	PHILLIP SCHACHT	Operating Certificate(s) Held:	None
Operator Does Business As:	ALLIED GENERAL, INC	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	FAI, 434 ft msl	Distance from Accident Site:	3 Nautical Miles
Observation Time:	1854 ADT	Direction from Accident Site:	257°
Lowest Cloud Condition:	Scattered / 7500 ft agl	Visibility	80 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	320°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	12° C / -5° C
Precipitation and Obscuration:			
Departure Point:	FAIRBANKS, AK (MTF)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1800 ADT	Type of Airspace:	Class D

Airport Information

Airport:	METRO FIELD (MTF)	Runway Surface Type:	Asphalt; Dirt; Gravel
Airport Elevation:	432 ft	Runway Surface Condition:	Dry
Runway Used:	6	IFR Approach:	None
Runway Length/Width:	4400 ft / 150 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ROY C DAW	Report Date:	
Additional Participating Persons:	JOHNNIE WALLACE; FAIRBANKS, AK WESLEY K KING; FAIRBANKS, AK PARKER J NATION; FAIRBANKS, AK		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).