



National Transportation Safety Board Aviation Accident Data Summary

Location:	GLENNALLEN, AK	Accident Number:	ANC83FA064
Date & Time:	04/02/1983, 1145 AST	Registration:	N2826M
Aircraft:	PIPER PA-12	Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

WITNESSES REPORTED THAT AFTER TAKEOFF, THE PLT FLEW BY A CABIN AT APPROXIMATELY 200 FT, SIGNALLED BY ROCKING THE ACFT'S WINGS, THEN BEGAN A GRADUAL CLIMB. THE CLIMB INCREASED IN STEEPNESS UNTIL 1 WITNESS COULD SEE THE ENTIRE TOP OF THE ACFT. IT THEN NOSED OVER, MADE 1 1/2 TO 2 1/2 TURNS & CRASHED. AN INVESTIGATION REVEALED NO SPECIFIC PREIMPACT MALFUNCTION OR FAILURE. HOWEVER, AN INVESTIGATION REVEALED THAT ACFT HAD RECEIVED 3 MAJOR MODIFICATIONS, 2 OF WHICH WERE UNDER SUPPLEMENTAL TYPE CERTIFICATES (STC'S). A MODIFIED ELEVATOR BELLCRANK HAD BEEN INSTALLED, BUT THERE WAS NO FLOOR OR PROTECTIVE COVERING INSTALLED OVER THE BELLCRANK. ONLY A CANVAS BARRIER PROTECTED THE BELLCRANK FROM ITEMS PLACED IN THE BAGGAGE COMPARTMENT. THE EDGES OF THE CANVAS DID NOT EXTEND TO THE SIDES, TOP & BOTTOM OF THE FUSELAGE, BUT INSTEAD, THERE WAS A 2 TO 3 INCH CAP, LACED WITH THE STRING TO HOLD THE CANVAS SECURE. A WHISK BROOM WAS FOUND IN THE PROXIMITY OF THE ELEVATOR BELLCRANK.

Probable Cause

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

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: CLIMB

Findings

1. (C) FLT CONTROL SYST,ELEVATOR CONTROL - FOREIGN OBJECT
2. (C) FLT CONTROL SYST,ELEVATOR CONTROL - MOVEMENT RESTRICTED
3. AIRCRAFT HANDLING - NOT POSSIBLE
4. STALL/SPIN - UNCONTROLLED

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Pilot Information

Certificate:	Commercial	Age:	34
Airplane Rating(s):	Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	
Flight Time:	779 hours (Total, all aircraft), 244 hours (Total, this make and model), 653 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N2826M
Model/Series:	PA-12 PA-12	Engines:	1 Reciprocating
Operator:	PAUL R. BONIFACE	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-A2A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	GKN, 1578 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	-2 °C	Visibility	40 Miles
Precipitation and Obscuration:			
Departure Point:	LAKE LOUISE, AK	Destination:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	GEORGE KOBELNYK	Adopted 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/ .		

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