



National Transportation Safety Board Aviation Accident Final Report

Location:	PRESCOTT, AZ	Accident Number:	LAX87LA130
Date & Time:	03/02/1987, 1505 MST	Registration:	N1474R
Aircraft:	GRUMMAN AA-1B	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

DURING A LOCAL SOLO INSTRUCTIONAL FLIGHT, THE PILOT REPORTED THAT ON LANDING, THE AIRCRAFT TOUCHED-DOWN ON THE NOSEWHEEL FIRST AND BOUNCED. THE AIRCRAFT SWERVED TO THE RIGHT AND THE PILOT ADDED POWER TO INITIATE A GO-AROUND, HOWEVER, THE AIRCRAFT DID NOT CLEAR A FOUR FT SNOWBANK ON THE SIDE OF THE RUNWAY. THE AIRCRAFT COLLIDED WITH THE SNOWBANK IN A NOSE LOW ATTITUDE AND NOSED OVER. THE PILOT REPORTED NO MECHANICAL FAILURE OR MALFUNCTION WITH THE AIRCRAFT PRIOR TO THE ACCIDENT.

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: LANDING - ROLL

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. (F) TOTAL - PILOT IN COMMAND
3. (F) REMEDIAL ACTION - DELAYED - PILOT IN COMMAND
4. (F) RECOVERY FROM BOUNCED LANDING - POOR - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: GO-AROUND (VFR)

Findings

5. (F) TERRAIN CONDITION - SNOWBANK

Occurrence #3: NOSE OVER
Phase of Operation: GO-AROUND (VFR)

Factual Information

Pilot Information

Certificate:	Student	Age:	39, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	03/24/1986
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	44 hours (Total, all aircraft), 35 hours (Total, this make and model), 17 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GRUMMAN	Registration:	N1474R
Model/Series:	AA-1B AA-1B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Utility	Serial Number:	AA1B-0574
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	05/01/1985, Annual	Certified Max Gross Wt.:	1560 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3315 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-235-C2C
Registered Owner:	MICHAEL D. COLLINS	Rated Power:	108 hp
Operator:	MICHAEL D. COLLINS	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	PRC, 5042 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1515 MST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 25000 ft agl	Visibility	65 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	7° C / -4° C
Precipitation and Obscuration:			
Departure Point:	PRESCOTT, AZ (PRC)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1345 MST	Type of Airspace:	Class E

Airport Information

Airport:	PRESCOTT (PRC)	Runway Surface Type:	Asphalt
Airport Elevation:	5042 ft	Runway Surface Condition:	Snow--dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	7616 ft / 150 ft	VFR Approach/Landing:	Touch and Go; Traffic Pattern

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):	DEBRA J ECKROTE	Report Date:	03/21/1988
Additional Participating Persons:	DAN LEER; SCOTTSDALE, AZ		
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](#).