



Aviation Investigation Final Report

Location:	MARSHFIELD, Missouri	Accident Number:	MKC86LA095
Date & Time:	April 22, 1986, 14:45 Local	Registration:	N4169U
Aircraft:	CESSNA 150D	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT STATED THAT THE APPROACH SPEED WAS FASTER THAN NORMAL DUE TO ERRONEOUS AIRSPEED INDICATIONS. THE AIRCRAFT FLOATED UPON FLARING AND THE PILOT RAISED THE FLAPS. HE STATES THAT THE AIRCRAFT LOST LIFT, BOUNCED AFTER A HARD LANDING AND SUBSEQUENTLY LANDED ON ITS NOSE GEAR, COLLAPSING IT. HE FURTHER STATES THAT THE AIRSTRIP IS A ONE-WAY PROPOSITION WITH LITTLE MARGIN FOR ERROR.

Probable Cause and Findings

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

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) FLIGHT/NAV INSTRUMENTS,AIRSPEED INDICATOR - FALSE INDICATION
 2. (C) AIRSPEED(VSO) - NOT MAINTAINED - PILOT IN COMMAND
 3. (F) RAISING OF FLAPS - PREMATURE - PILOT IN COMMAND
 4. (C) ABORTED LANDING - NOT PERFORMED - PILOT IN COMMAND
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Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

- 5. (F) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
- 6. (F) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Occurrence #3: NOSE GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Factual Information

Pilot Information

Certificate:	Private	Age:	54, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
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:	November 6, 1985
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	154 hours (Total, all aircraft), 82 hours (Total, this make and model), 124 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N4169U
Model/Series:	150D 150D	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Utility	Serial Number:	15060169
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	October 1, 1985 Annual	Certified Max Gross Wt.:	1600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2700 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	O-200-A
Registered Owner:	EARL L. MINER	Rated Power:	100 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:	14:55 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	40 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots / 7 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	30°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	24°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	MARSHFIELD , MO	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	12:40 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	Grass/turf
Airport Elevation:	1550 ft msl	Runway Surface Condition:	Dry
Runway Used:	9	IFR Approach:	None
Runway Length/Width:	1300 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	37.329216,-92.91014(est)

Administrative Information

Investigator In Charge (IIC): Vargas, Ramon

Additional Participating Persons: RANDY ROBINSON;

Original Publish Date:

Last Revision Date:

Investigation Class: [Class](#)

Note:

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=34166>

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, “accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person” (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB’s statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available [here](#).