



# Aviation Investigation Final Report

<b>Location:</b>	Hot Springs Vlg, Arkansas	<b>Accident Number:</b>	CHI08CA059
<b>Date &amp; Time:</b>	December 24, 2007, 15:30 Local	<b>Registration:</b>	N719AR
<b>Aircraft:</b>	Infinity Commander	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot reported that during a local personal flight he was climbing after a touch and go. He stated that he "started feeling the [powered parachute] start rocking and rolling. ... We were climbing well enough to clear any trees. As we approached the north end of the pasture I lost altitude and began to swing, as if there were turbulence in that area of the pasture. I realized that I may not clear the trees so I began to cut a sharp right turn to avoid the trees and the propeller caught a branch and shattered and we went down next to a creek bed." The pilot reported no mechanical malfunctions with the powered parachute reference the accident flight.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot not maintaining clearance/altitude from the trees during takeoff initial climb. Factors were the trees and reported turbulent winds.

## Findings

## Factual Information

### History of Flight

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### Pilot Information

<b>Certificate:</b>	Sport Pilot	<b>Age:</b>	65, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Sport pilot	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	80 hours (Total, all aircraft), 70 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Infinity	<b>Registration:</b>	N719AR
<b>Model/Series:</b>	Commander	<b>Aircraft Category:</b>	Ultralight
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	IPP6-348
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	May 1, 2007 Condition	<b>Certified Max Gross Wt.:</b>	825 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Rotax
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	582
<b>Registered Owner:</b>	Pilot	<b>Rated Power:</b>	65 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	HOT,540 ft msl	Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hot Springs Vlg, AR	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	15:30 Local	Type of Airspace:	

## Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Serious	Latitude, Longitude:	34.485553,-93.104721

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Malinowski, Edward
<b>Additional Participating Persons:</b>	Les Holt; Federal Aviation Administration; Little Rock, AR
<b>Original Publish Date:</b>	January 31, 2008
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=67359">https://data.nts.gov/Docket?ProjectID=67359</a>

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