



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	SPARTA, WI	<b>Accident Number:</b>	CHI97LA246
<b>Date &amp; Time:</b>	08/01/1997, 1320 CDT	<b>Registration:</b>	N654Y
<b>Aircraft:</b>	Young RV-4	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

The pilot reported that during landing, a gust of wind caught the airplane, and it bounced. He added power to smooth out the landing, but it bounced once again. He then added full power in an attempt to go-around, but he noticed the engine was vibrating from the propeller having struck the runway. He reduced the power to idle, and then the airplane descended and contacted the terrain off the right side of the runway.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's inadequate compensation for wind conditions, and his improper recovery from a bounced landing, which resulted in an improper flare and hard landing. The gusty wind was a related factor.

## Findings

Occurrence #1: HARD LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

### Findings

1. (F) WEATHER CONDITION - GUSTS
2. (C) COMPENSATION FOR WIND CONDITIONS - INADEQUATE - PILOT IN COMMAND
3. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND
4. (C) FLARE - NOT ATTAINED - PILOT IN COMMAND

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	50
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	421 hours (Total, all aircraft), 67 hours (Total, this make and model), 421 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Young	<b>Registration:</b>	N654Y
<b>Model/Series:</b>	RV-4 RV-4	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	MICHAEL E. YOUNG	<b>Engine Manufacturer:</b>	Lycoming
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	CMY, 837 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	Broken / 8000 ft agl	<b>Wind Speed/Gusts, Direction:</b>	12 knots / , 210°
<b>Temperature:</b>	23° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	YANKTON, SD (YKN)	<b>Destination:</b>	(CMY)

## Airport Information

<b>Airport:</b>	SPARTA-FORT MCCOY (CMY)	<b>Runway Surface Type:</b>	Asphalt
<b>Runway Used:</b>	19	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	4295 ft / 100 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

Latitude, Longitude:

## Administrative Information

<b>Investigator In Charge (IIC):</b>	PAMELA S SULLIVAN	<b>Adopted Date:</b>	01/30/1998
<b>Investigation Docket:</b>	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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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