



# Aviation Investigation Final Report

<b>Location:</b>	ZIONSVILLE, Indiana	<b>Accident Number:</b>	CHI85LA148
<b>Date &amp; Time:</b>	March 25, 1985, 18:30 Local	<b>Registration:</b>	N7629K
<b>Aircraft:</b>	PIPER PA-20-125	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT STATED THAT SHE FLARED SLIGHTLY HIGH UPON LANDING, CAUSING THE ACFT TO BOUNCE. ONCE THE ACFT WAS ON THE GROUND AGAIN IT BEGAN TO DRIFT TO THE LEFT SIDE OF THE RWY. TO CORRECT FOR THIS DRIFT, THE PLT APPLIED RIGHT RUDDER, HOWEVER, SHE OVERCORRECTED CAUSING A GROUND LOOP TO THE RIGHT. STRUCTURAL DAMAGE TO THE ACFT SUSTAINED DURING THE GROUND LOOP INCLUDED A BENT FRONT AND REAR SPAR ON THE LEFT WING AND A BOWED RIGHT RAER LONGERON.

## 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) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND
2. (C) REMEDIAL ACTION - EXCESSIVE - PILOT IN COMMAND
3. GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	26,Female
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	August 31, 1984
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	411 hours (Total, all aircraft), 8 hours (Total, this make and model), 298 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N7629K
<b>Model/Series:</b>	PA-20-125 PA-20-125	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	20-447
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	July 18, 1984 Annual	<b>Certified Max Gross Wt.:</b>	1800 lbs
<b>Time Since Last Inspection:</b>	50 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2376 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-290-D
<b>Registered Owner:</b>	JAMES F. LEACH	<b>Rated Power:</b>	125 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Dusk
<b>Observation Facility, Elevation:</b>		<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>		<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	180°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>		<b>Temperature/Dew Point:</b>	
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	INDIANAPOLIS , IN (35Y )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	18:00 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	INDIANAPOLIS TERRY I52	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	921 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	18	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5160 ft / 75 ft	<b>VFR Approach/Landing:</b>	Full stop

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	2 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	39.94939,-86.269775(est)

## Administrative Information

**Investigator In Charge (IIC):** Benzon, Robert

**Additional Participating Persons:** H GEIGER; INDIANAPOLIS , IN

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=13033>

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