



# Aviation Investigation Final Report

<b>Location:</b>	BROOKSVILLE, Florida	<b>Accident Number:</b>	MIA92LA163
<b>Date &amp; Time:</b>	August 9, 1992, 21:45 Local	<b>Registration:</b>	N119Q
<b>Aircraft:</b>	PIPER PA-24-250	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PRIVATE PILOT WAS CONDUCTING A NIGHT APPROACH FOR LANDING IN VFR CONDITIONS. INSPECTION OF THE CRASH SITE BY THE FAA REVEALED THE RIGHT MAIN LANDING GEAR COLLIDED WITH A RUNWAY MARKER LOCATED BETWEEN THE LANDING RUNWAY AND TAXIWAY. THE AIRPLANE REMAINED AIRBORNE FOR ABOUT 300 FEET BEFORE IT CAME TO A COMPLETE STOP IN THE GRASS MEDIUM. THE AIRPLANE SUSTAINED SUBSTANTIAL DAMAGE AND THE PILOT WAS NOT INJURED. THE PILOT STATED UPON LANDING THE RIGHT MAIN LANDING GEAR COLLAPSED AND THE AIRPLANE SLID OFF THE RUNWAY ON TO THE GRASS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT-IN-COMMAND'S FAILURE TO MAINTAIN ALIGNMENT WITH THE RUNWAY DURING LANDING. THIS RESULTED IN AN IN-FLIGHT COLLISION WITH A RUNWAY MARKER, COLLAPSE OF THE RIGHT MAIN LANDING GEAR, AND SUBSEQUENT COLLISION WITH TERRAIN.

## Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: LANDING

Findings

1. (C) PROPER ALIGNMENT - NOT MAINTAINED - PILOT IN COMMAND
2. OBJECT - SIGN
3. LANDING GEAR - OVERLOAD

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Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: LANDING

Findings

4. TERRAIN CONDITION - GROUND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	56, Male
<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>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	January 7, 1992
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1100 hours (Total, all aircraft), 700 hours (Total, this make and model), 950 hours (Pilot In Command, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N119Q
<b>Model/Series:</b>	PA-24-250 PA-24-250	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	24-316
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	November 5, 1991 Annual	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>	140 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2732 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-540-A1A5
<b>Registered Owner:</b>	STEVE L. STONE	<b>Rated Power:</b>	250 Horsepower
<b>Operator:</b>	STONE, STEVE L.	<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>	Not reported
<b>Observation Facility, Elevation:</b>	TPA ,27 ft msl	<b>Distance from Accident Site:</b>	20 Nautical Miles
<b>Observation Time:</b>	20:50 Local	<b>Direction from Accident Site:</b>	190°
<b>Lowest Cloud Condition:</b>	Scattered / 2500 ft AGL	<b>Visibility</b>	
<b>Lowest Ceiling:</b>	Overcast / 7000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	360°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	23°C / 22°C
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	BOCA RATON , FL (BCT)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	BROOKSVILLE , FL (BKV)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	20:30 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	HERNANDO COUNTY BKV	<b>Runway Surface Type:</b>	Concrete
<b>Airport Elevation:</b>	76 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	2	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5000 ft / 150 ft	<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	28.479465,-82.510177(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Smith, Carrol
<b>Additional Participating Persons:</b>	MICHAEL CICHANOWSKI; ORLANDO , FL
<b>Original Publish Date:</b>	September 14, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=33121">https://data.nts.gov/Docket?ProjectID=33121</a>

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