



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	BROOKSVILLE, FL	<b>Accident Number:</b>	ATL97LA015
<b>Date &amp; Time:</b>	11/01/1996, 1745 EST	<b>Registration:</b>	N81435
<b>Aircraft:</b>	Piper PA-28-161	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The aircraft owner reported that the student pilot was conducting traffic pattern training when he experienced a total loss of engine power while on final approach. The student pilot reported that he completed the before landing check that included the application of carburetor heat. After he turned on to the final approach leg the student pilot noticed that the engine had quit. During the forced landing roll the airplane collided with two parked vehicles. The examination of the aircraft at the accident site failed to disclose a mechanical problem. A subsequent functional check of the engine disclosed that it operated normally throughout all power ranges. Weather conditions were favorable for the formation of carburetor ice.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
The loss of engine power for undetermined reasons.

## Findings

Occurrence #1: LOSS OF ENGINE POWER  
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

### Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED
2. WEATHER CONDITION - CARBURETOR ICING CONDITIONS

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Occurrence #2: FORCED LANDING  
Phase of Operation: EMERGENCY DESCENT/LANDING

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Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

### Findings

3. OBJECT - VEHICLE

## Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	33
<b>Airplane Rating(s):</b>	None	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	157 hours (Total, all aircraft), 3 hours (Total, this make and model), 24 hours (Pilot In Command, all aircraft), 24 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N81435
<b>Model/Series:</b>	PA-28-161 PA-28-161	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	DONALD G. PEARSON	<b>Engine Manufacturer:</b>	Lycoming
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	O-360-D3G
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	BKV, 78 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Lowest Ceiling:</b>	None / 0 ft agl	<b>Wind Speed/Gusts, Direction:</b>	5 knots / , 280°
<b>Temperature:</b>	24°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	(BKV)	<b>Destination:</b>	

## Airport Information

<b>Airport:</b>	HERNANDO COUNTY AIRPORT (BKV)	<b>Runway Surface Type:</b>	Concrete
<b>Runway Used:</b>	27	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	7000 ft / 50 ft		

## Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC): PHILLIP POWELL

Adopted Date: 03/31/1998

Investigation Docket: 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 [pubinq@ntsb.gov](mailto:pubinq@ntsb.gov), or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.