



National Transportation Safety Board Aviation Accident Data Summary

Location:	HOMESTEAD, FL	Accident Number:	ATL98LA089
Date & Time:	07/01/1998, 1130 EDT	Registration:	N4331M
Aircraft:	Piper PA-28-161	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

According to the pilot, he entered a left downwind for runway 36. He touched down hard on the first landing, and the airplane bounced into the air. The pilot then pulled back on the controls, and the airplane sank, collided with the runway, and bounced a second time. The nose gear collapsed, and the propeller struck the ground on the second bounce. The airplane touched down for a third time and veered off the left side of the runway. According to the FAA, the airplane had wing damage and cracked engine mounts. The inspector stated the airplane made too steep of an approach which led him to begin bouncing down the runway. The pilot had 37 hours of total flying time.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper flare that resulted in a hard landing and porpoise, and his improper recovery from the bounced landing.

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING

Findings

1. (C) FLARE - IMPROPER - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING

Findings

2. (C) PORPOISE/PILOT-INDUCED OSCILLATION - ENCOUNTERED - PILOT IN COMMAND
3. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

Pilot Information

Certificate:	Student	Age:	32
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	37 hours (Total, all aircraft), 37 hours (Total, this make and model), 31 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N4331M
Model/Series:	PA-28-161 PA-28-161	Engines:	1 Reciprocating
Operator:	INTERNATIONAL FLIGHT CENTER	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-320-D36
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MIA, 11 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 25000 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 150°
Temperature:	33°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	TAMIAMI, FL (TMB)	Destination:	(X51)

Airport Information

Airport:	HOMESTEAD GENERAL AV. (X51)	Runway Surface Type:	Asphalt
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	4909 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): PRESTON E HICKS

Adopted Date: 12/08/1998

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, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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