



Aviation Investigation Final Report

Location:	Limestone, Tennessee	Accident Number:	ERA13CA345
Date & Time:	July 18, 2013, 16:35 Local	Registration:	N926JB
Aircraft:	JIM BRADDOCK JUST AIRCRAFT HIGHLA	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 Serious, 1 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot was operating the experimental light-sport airplane from a private grass airstrip, and following a brief local flight, was returning for landing. The approach to the runway was "normal" and the prevailing wind was light and variable. During the landing flare, the airplane "settled hard" and bounced back into the air. The pilot responded by adding power and leveling the pitch attitude, but the airplane settled back onto the runway in a flat attitude. The nose landing gear collapsed on touchdown and the airplane then nosed over, resulting in substantial damage to the vertical stabilizer and wings. The pilot reported that there were no pre-impact mechanical malfunctions or failures of the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper recovery from a bounced landing.

Findings

Aircraft	Landing flare - Incorrect use/operation
Personnel issues	Incorrect action performance - Pilot

Factual Information

History of Flight

Landing-flare/touchdown	Hard landing (Defining event)
Landing-flare/touchdown	Landing gear collapse
Landing-flare/touchdown	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	71,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport pilot None	Last FAA Medical Exam:	April 22, 1999
Occupational Pilot:	No	Last Flight Review or Equivalent:	February 28, 2012
Flight Time:	877 hours (Total, all aircraft), 12 hours (Total, this make and model), 742 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	JIM BRADDOCK	Registration:	N926JB
Model/Series:	JUST AIRCRAFT HIGHLA	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental light sport (Special)	Serial Number:	JA256-12-11
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	June 11, 2013 Condition	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:	45 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	45 Hrs at time of accident	Engine Manufacturer:	Rotax
ELT:	C91A installed, not activated	Engine Model/Series:	912ULS
Registered Owner:	On file	Rated Power:	100
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	TRI, 1519 ft msl	Distance from Accident Site:	16 Nautical Miles
Observation Time:	14:53 Local	Direction from Accident Site:	40°
Lowest Cloud Condition:	Scattered / 3300 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.12 inches Hg	Temperature/Dew Point:	32°C / 21°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Limestone, TN (NONE)	Type of Flight Plan Filed:	None
Destination:	Limestone, TN (NONE)	Type of Clearance:	None
Departure Time:	16:30 Local	Type of Airspace:	

Airport Information

Airport:	NONE NONE	Runway Surface Type:	
Airport Elevation:	1550 ft msl	Runway Surface Condition:	
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious, 1 Minor	Latitude, Longitude:	36.267223,-82.613609(est)

Administrative Information

Investigator In Charge (IIC):	Diaz, Dennis
Additional Participating Persons:	Michael Chasteen; FAA/FSDO; Nashville, TN
Original Publish Date:	September 5, 2013
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=87644

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