



Aviation Investigation Final Report

Location:	New Smyrna Beac, Florida	Accident Number:	MIA08CA025
Date & Time:	December 6, 2007, 12:30 Local	Registration:	N130SX
Aircraft:	Messing Roy Sonex	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

According to the pilot, "the purpose of the flight was to test a new instrument and conduct test approaches and landings to check flying characteristics at slower approach speeds. Previous approaches at 70 miles per hour (MPH) [were] too fast. After practicing slow flight and entering a stall speed into new instrument I was cleared for a 5-mile straight in approach to runway 2. After "dragging in" for 5-miles I attained my test final approach speed of 60 mph. There was a tree in my glide path so I climbed over it but underestimated my sink rate (which was the purpose of the test flight) the right gear snagged a limb which jerked me into a right hand roll. I applied power, leveled the wings, and pointed [the] nose ahead as it hit the ground. There were no visible markings on the runway to indicate a displaced threshold. The reason for the displaced threshold is the tree. If the runway was properly marked, I am sure I would have been reminded at least a mile out or one-half out that there was a displaced threshold and avoided the incident."

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain altitude/clearance while on final approach for landing.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH Findings 1. OBJECT - TREE(S) 2. (C) ALTITUDE/CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: HARD LANDING Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

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Pilot Information

Certificate:	Private	Age:	75,Male
Airplane Rating(s):	Single-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:	Class 3 With waivers/limitations	Last FAA Medical Exam:	June 1, 2006
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 1, 2004
Flight Time:	1343 hours (Total, all aircraft), 24 hours (Total, this make and model), 1343 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 1		

hours (Last 24 hours, all aircraft)

Aircraft and Owner/Operator Information

Aircraft Make:	Messing Roy	Registration:	N130SX
Model/Series:	Sonex	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	0013
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	May 1, 2007 Condition	Certified Max Gross Wt.:	1200 lbs
Time Since Last Inspection:	8.6 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	49.4 Hrs at time of accident	Engine Manufacturer:	Jabiru
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	3300A
Registered Owner:	Robert C. Abbaticchio	Rated Power:	145 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KEVB	Distance from Accident Site:	
Observation Time:	12:12 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	50°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.15 inches Hg	Temperature/Dew Point:	20°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	New Smyrna Beac, FL (KEVB)	Type of Flight Plan Filed:	None
Destination:	New Smyrna Beac, FL (KEVB)	Type of Clearance:	None
Departure Time:	12:05 Local	Type of Airspace:	

Airport Information

Airport:	New Smyrna Beach Municipal KEVB	Runway Surface Type:	Asphalt
Airport Elevation:	10 ft msl	Runway Surface Condition:	Dry
Runway Used:	2	IFR Approach:	None
Runway Length/Width:	4000 ft / 100 ft	VFR Approach/Landing:	Straight-in

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Wilson, Ralph
Additional Participating Persons:	Frank Rios; Orlando FSDO; Orlando, FL
Original Publish Date:	February 28, 2008
Last Revision Date:	
Investigation Class:	<u>Class</u>
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=67212

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