



# Aviation Investigation Final Report

<b>Location:</b>	Fairbanks, Alaska	<b>Accident Number:</b>	ANC10CA086
<b>Date &amp; Time:</b>	September 10, 2010, 17:00 Local	<b>Registration:</b>	N598AL
<b>Aircraft:</b>	ROBERTS ALAN W KITFOX II	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Hard landing	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The private pilot was on a personal local flight, operating under Title 14, Code of Federal Regulations Part 91. The pilot reported that during landing, the airplane landed hard, and bounced back into the air. He said he added power to go around, but the airplane drifted left of the runway, and the right wing struck a signpost. He said the airplane spun around the post, and impacted the ground. The pilot said there were no preimpact mechanical problems with the airplane, and that the airplane sustained substantial damage to its right wing.

## 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 proper aircraft control during landing and the subsequent go-around, resulting in a hard landing, and a collision with a signpost.

## Findings

<b>Aircraft</b>	Descent rate - Not attained/maintained
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot

## Factual Information

### History of Flight

<b>Landing-flare/touchdown</b>	Hard landing (Defining event)
<b>Takeoff</b>	Loss of control in flight
<b>Takeoff</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	22, Male
<b>Airplane Rating(s):</b>	Single-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 3 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	May 15, 2007
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	September 12, 2009
<b>Flight Time:</b>	74 hours (Total, all aircraft), 6 hours (Total, this make and model), 16 hours (Pilot In Command, all aircraft), 4 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

<b>Aircraft Make:</b>	ROBERTS ALAN W	<b>Registration:</b>	N598AL
<b>Model/Series:</b>	KITFOX II	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	598
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	May 8, 2010 Condition	<b>Certified Max Gross Wt.:</b>	950 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	340 Hrs at time of accident	<b>Engine Manufacturer:</b>	BOMBARDIER
<b>ELT:</b>	C91A installed, not activated	<b>Engine Model/Series:</b>	ROTAX (ALL)
<b>Registered Owner:</b>	Lyle Whitmer	<b>Rated Power:</b>	65 Horsepower
<b>Operator:</b>	Charles Whitmer	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	FAI, 439 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	16:53 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 8000 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots / None	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	140°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.95 inches Hg	<b>Temperature/Dew Point:</b>	18°C / 7°C
<b>Precipitation and Obscuration:</b>			
<b>Departure Point:</b>	Fairbanks, AK (MTF )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Fairbanks, AK (MTF )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>		<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	Metro Field MTF	<b>Runway Surface Type:</b>	Gravel
<b>Airport Elevation:</b>	432 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	06	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4600 ft / 30 ft	<b>VFR Approach/Landing:</b>	Go around

## 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>	64.453613,-147.563613

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Lewis, Lawrence
<b>Additional Participating Persons:</b>	Brice Banning; FAA FSDO-01; Fairbanks, AK
<b>Original Publish Date:</b>	December 20, 2010
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=77265">https://data.nts.gov/Docket?ProjectID=77265</a>

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