



National Transportation Safety Board Aviation Accident Final Report

Location:	Wauchula, FL	Accident Number:	ERA20CA083
Date & Time:	01/18/2020, 1030 EST	Registration:	N4283V
Aircraft:	Denney KITFOX	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that he was conducting a crosswind landing. The airplane touched down, bounced slightly, settled, and it then veered off the right side of the runway onto grass, struck a light, flipped over, and came to rest inverted. The airplane sustained substantial damage to the rudder and the fuselage forward of the horizontal stabilizer. The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation and that a gusting crosswind existed during the touchdown.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's improper landing flare in gusting crosswind conditions, which resulted in a bounced landing, and his subsequent failure to maintain directional control, which resulted in a runway excursion and nose-over.

Findings

Aircraft	Directional control - Not attained/maintained (Cause) Landing flare - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Crosswind - Effect on operation (Cause)

Factual Information

History of Flight

Landing-flare/touchdown	Other weather encounter Abnormal runway contact Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT) Roll over
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Pilot Information

Certificate:	Sport Pilot	Age:	63, Male
Airplane Rating(s):	Single-engine Sea	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	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	115 hours (Total, all aircraft), 42 hours (Total, this make and model), 61 hours (Pilot In Command, all aircraft), 42 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Denney	Registration:	N4283V
Model/Series:	KITFOX III	Aircraft Category:	Airplane
Year of Manufacture:	2003	Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	770
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	05/09/2019, Annual	Certified Max Gross Wt.:	1050 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Rotax
ELT:	C91A installed, not activated	Engine Model/Series:	528LC
Registered Owner:	On file	Rated Power:	65 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SEF, 63 ft msl	Distance from Accident Site:	29 Nautical Miles
Observation Time:	1035 EST	Direction from Accident Site:	97°
Lowest Cloud Condition:	Scattered / 3800 ft agl	Visibility	10 Miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	14 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.36 inches Hg	Temperature/Dew Point:	23° C / 14° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Palmetto, FL (48X)	Type of Flight Plan Filed:	None
Destination:	Wauchula, FL (CHN)	Type of Clearance:	None
Departure Time:	0930 EST	Type of Airspace:	Class G

Airport Information

Airport:	Wauchula Muni (CHN)	Runway Surface Type:	Asphalt
Airport Elevation:	107 ft	Runway Surface Condition:	Dry
Runway Used:	36	IFR Approach:	None
Runway Length/Width:	4005 ft / 75 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor	Latitude, Longitude:	27.515000, -81.880556 (est)

Administrative Information

Investigator In Charge (IIC):	Douglass P Brazy	Report Date:	07/27/2020
Additional Participating Persons:	Timothy Annis; FAA/FSDO; Tampa, FL		
Publish Date:	07/27/2020		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100845		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).