



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Orlando, FL	<b>Accident Number:</b>	GAA18CA219
<b>Date &amp; Time:</b>	04/17/2018, 1205 EDT	<b>Registration:</b>	N310ZZ
<b>Aircraft:</b>	STONE JAMES R DAYTONA CUBS REPLICA	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot of the tailwheel-equipped airplane reported that, during the landing roll, a wind gust picked up the left wing. The right main landing gear collapsed and the right wing impacted the ground.

The airplane sustained substantial damage to the right wing.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

A review of recorded data from the automated weather observation station located on the airport reported that, about 12 minutes before the accident, the wind was from 360° at 6 knots. The airplane landed on runway 07.

## 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 lateral control during landing in crosswind conditions.

## Findings

<b>Aircraft</b>	Lateral/bank control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Crosswind - Effect on operation

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Landing gear collapse
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### Pilot Information

Certificate:	Commercial	Age:	52, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last FAA Medical Exam:	10/13/2015
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	05/11/2017
Flight Time:	(Estimated) 3200 hours (Total, all aircraft), 104 hours (Total, this make and model), 3025 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	STONE JAMES R	Registration:	N3102Z
Model/Series:	DAYTONA CUBS REPLICA NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2011	Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	11
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	04/30/2017, Condition	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	73.6 Hours at time of accident	Engine Manufacturer:	Superior
ELT:	Installed, not activated	Engine Model/Series:	XP-O-360-A3A2
Registered Owner:	On file	Rated Power:	180 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:	KORL, 112 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1553 UTC	Direction from Accident Site:	73°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	360°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.18 inches Hg	Temperature/Dew Point:	20° C / 4° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	LAKELAND, FL (LAL)	Type of Flight Plan Filed:	None
Destination:	Orlando, FL (ORL)	Type of Clearance:	VFR
Departure Time:	1130 EDT	Type of Airspace:	Class D

## Airport Information

Airport:	EXECUTIVE (ORL)	Runway Surface Type:	Asphalt
Airport Elevation:	112 ft	Runway Surface Condition:	Dry
Runway Used:	07	IFR Approach:	None
Runway Length/Width:	6004 ft / 150 ft	VFR Approach/Landing:	Full Stop

## 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
Total Injuries:	1 None	Latitude, Longitude:	28.544167, -81.336111 (est)

## Administrative Information

Investigator In Charge (IIC):	Kathryn R Benhoff	Report Date:	08/27/2018
Additional Participating Persons:	John Breen; FAA; Orlando, FL		
Publish Date:	08/27/2018		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=97068">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=97068</a>		

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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](#).