



# Aviation Investigation Final Report

<b>Location:</b>	Atlanta, Georgia	<b>Accident Number:</b>	ERA17CA047
<b>Date &amp; Time:</b>	November 1, 2016, 15:35 Local	<b>Registration:</b>	N525
<b>Aircraft:</b>	HAWKER BEECHCRAFT CORP G58	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Runway excursion	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

According to the commercial pilot, the multiengine airplane was about 5 miles from the airport when it was cleared to land on runway 3R. Then, about 1.5 miles from the airport, he accepted a landing clearance change from the air traffic controller to land on runway 3L instead of 3R. The pilot increased engine power and set up to land on runway 3L; however, the airplane was "fast" on final approach and landed "long." The pilot "stood" on the brakes, the left tire "blew out," and the airplane veered off the left side of the runway. After departing runway 3L, the airplane traveled through the grass and impacted asphalt of another runway, which was raised about 7 inches above the ground. When the nose landing gear struck the asphalt, it collapsed, and the airplane then came to rest. During the accident sequence, the fuselage and wings were substantially damaged. The pilot reported no preimpact mechanical malfunctions or failures with the airplane that would have precluded normal operation. The wind at the airport around the time of the accident was from 140° at 7 knots.

## 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 the proper airspeed during final approach and his subsequent loss of directional control during landing, which resulted in a runway excursion.

## Findings

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<b>Personnel issues</b>	Aircraft control - Pilot
<b>Aircraft</b>	Airspeed - Not attained/maintained
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Environmental issues</b>	(general) - Contributed to outcome

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground
Landing-landing roll	Runway excursion (Defining event)

### Pilot Information

Certificate:	Commercial	Age:	59, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-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:	June 30, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 12, 2016
Flight Time:	1022 hours (Total, all aircraft), 523 hours (Total, this make and model), 982 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	HAWKER BEECHCRAFT CORP	Registration:	N525
Model/Series:	G58 NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2007	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	TH-2188
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	June 9, 2016 100 hour	Certified Max Gross Wt.:	5500 lbs
Time Since Last Inspection:		Engines:	2 Reciprocating
Airframe Total Time:	1230 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	C91A installed, not activated	Engine Model/Series:	IO-550-C
Registered Owner:	On file	Rated Power:	300 Horsepower
Operator:	On file	Operating Certificate(s) Held:	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>	PDK,1003 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	15:53 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	140°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.2 inches Hg	<b>Temperature/Dew Point:</b>	27°C / 11°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	WAYCROSS, GA (AYS)	<b>Type of Flight Plan Filed:</b>	IFR
<b>Destination:</b>	Atlanta, GA (PDK)	<b>Type of Clearance:</b>	IFR
<b>Departure Time:</b>	14:32 Local	<b>Type of Airspace:</b>	

## Airport Information

<b>Airport:</b>	DEKALB-PEACHTREE PDK	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	998 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	03L	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3746 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## 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>	33.869998,-84.303054(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Kemner, Heidi
<b>Additional Participating Persons:</b>	Scott L Childs; FAA/FSDO; Atlanta, GA
<b>Original Publish Date:</b>	August 22, 2017
<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=94381">https://data.nts.gov/Docket?ProjectID=94381</a>

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