



Aviation Investigation Final Report

Location:	Arcadia, Florida	Accident Number:	GAA18CA344
Date & Time:	June 11, 2018, 16:00 Local	Registration:	N4198S
Aircraft:	Beech A36	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, during the landing roll, the airplane veered left. He attempted to correct for the veer with right rudder and brake to no avail. Subsequently, the airplane exited the left side of the runway, encountered a ditch, and the airplane came to rest.

The airplane sustained substantial damage to the fuselage.

The pilot reported that the left main tire failed on landing.

The Federal Aviation Administration aviation safety inspector reported that there were marks on the runway from the failed tire, but he was unable to tell if the tire had failed before or upon landing. The inspector also assessed the brakes and did not notice anything abnormal.

Probable Cause and Findings

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

The pilot's loss of directional control during landing due to a flat tire.

Findings

Aircraft	Directional control - Attain/maintain not possible
Personnel issues	Aircraft control - Pilot
Aircraft	Wheel/ski/float - Failure
Environmental issues	Sloped/uneven terrain - Effect on equipment

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
Landing	Attempted remediation/recovery
Landing	Runway excursion
Landing	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	56,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap only
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Waiver time limited special	Last FAA Medical Exam:	January 4, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 29, 2017
Flight Time:	(Estimated) 2874 hours (Total, all aircraft), 1746 hours (Total, this make and model), 2804 hours (Pilot In Command, all aircraft), 22.5 hours (Last 90 days, all aircraft), 10.5 hours (Last 30 days, all aircraft), 0.6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N4198S
Model/Series:	A36	Aircraft Category:	Airplane
Year of Manufacture:	1975	Amateur Built:	
Airworthiness Certificate:	Normal; Utility	Serial Number:	E-673
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	March 1, 2018 Annual	Certified Max Gross Wt.:	3600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	6594 Hrs as of last inspection	Engine Manufacturer:	Continental
ELT:	C91 installed, activated, aided in locating accident	Engine Model/Series:	IO-520
Registered Owner:		Rated Power:	285 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KPGD, 25 ft msl	Distance from Accident Site:	19 Nautical Miles
Observation Time:	17:50 Local	Direction from Accident Site:	206°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 4000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	20°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.03 inches Hg	Temperature/Dew Point:	31°C / 21°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	PLANT CITY, FL (PCM)	Type of Flight Plan Filed:	None
Destination:	Arcadia, FL (X06)	Type of Clearance:	None
Departure Time:	15:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	ARCADIA MUNI X06	Runway Surface Type:	Asphalt
Airport Elevation:	63 ft msl	Runway Surface Condition:	Dry
Runway Used:	24	IFR Approach:	None
Runway Length/Width:	3700 ft / 75 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	27.197221,-81.838607(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Gregory Joy; FAA; Tampa, FL
Original Publish Date:	November 5, 2018
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=97471

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](#).