



National Transportation Safety Board Aviation Accident Final Report

Location:	Benson, AZ	Accident Number:	GAA18CA339
Date & Time:	06/10/2018, 0945 MST	Registration:	N170W
Aircraft:	CESSNA 170	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that, during the landing roll, the tailwheel-equipped airplane veered left and began to bounce. He applied right rudder correction, which quickly turned the airplane right toward the centerline, and he then applied left rudder to realign with the runway heading. He increased the engine power setting to full to perform a go-around, but the airplane, during its third bounce, ground looped to the left. The right wing impacted the ground, and the airplane came to rest on its right side with the wing at a 90° angle.

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.

The pilot reported that the automated weather observation system located on the airport reported that, about 15 minutes before the accident, the wind was light and variable at 2 knots, gusting to 5 knots. The airplane landed on runway 28.

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 directional control during landing.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event) Attempted remediation/recovery
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Pilot Information

Certificate:	Private	Age:	40, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	BasicMed Without Waivers/Limitations	Last FAA Medical Exam:	10/05/2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	05/01/2016
Flight Time:	(Estimated) 137 hours (Total, all aircraft), 7 hours (Total, this make and model), 90 hours (Pilot In Command, all aircraft), 7 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N170W
Model/Series:	170 B	Aircraft Category:	Airplane
Year of Manufacture:	1953	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	25596
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	06/04/2018, Annual	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2856.6 Hours as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	C91A installed, not activated	Engine Model/Series:	O-300A
Registered Owner:	On file	Rated Power:	145 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:	KALK, 4768 ft msl	Distance from Accident Site:	24 Nautical Miles
Observation Time:	2056 UTC	Direction from Accident Site:	189°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	14 knots / 20 knots	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	260°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.01 inches Hg	Temperature/Dew Point:	35°C / -22°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Benson, AZ (E95)	Type of Flight Plan Filed:	None
Destination:	Benson, AZ (E95)	Type of Clearance:	None
Departure Time:	0930 MST	Type of Airspace:	Class G

Airport Information

Airport:	BENSON MUNI (E95)	Runway Surface Type:	Asphalt
Airport Elevation:	3830 ft	Runway Surface Condition:	Dry
Runway Used:	28	IFR Approach:	None
Runway Length/Width:	4002 ft / 75 ft	VFR Approach/Landing:	Stop and Go

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:	31.999444, -110.358056 (est)

Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	03/18/2019
Additional Participating Persons:	Thomas Dickerson; FAA; Scottsdale, AZ		
Publish Date:	03/18/2019		
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=97456		

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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](#).