



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Prineville, OR	<b>Accident Number:</b>	GAA18CA509
<b>Date &amp; Time:</b>	08/25/2018, 1220 PDT	<b>Registration:</b>	N4569C
<b>Aircraft:</b>	Cessna 170	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 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 about 40 knots ground speed, the airplane drifted left, and he corrected back to the runway center. However, the airplane then drifted right, and he was unable to correct back to the runway center. The airplane ground looped to the right, and the left wing struck the ground before the airplane came to a stop.

The airplane sustained substantial damage to the forward lower fuselage bulkhead and the left wing.

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

## 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 the landing roll.

## Findings

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

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Attempted remediation/recovery Collision with terr/obj (non-CFIT)
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### Pilot Information

Certificate:	Private	Age:	45, Male
Airplane Rating(s):	Single-engine Land	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:	Class 3 With Waivers/Limitations	Last FAA Medical Exam:	01/17/2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	07/11/2017
Flight Time:	(Estimated) 145 hours (Total, all aircraft), 50 hours (Total, this make and model), 145 hours (Pilot In Command, all aircraft), 16 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N4569C
Model/Series:	170 B	Aircraft Category:	Airplane
Year of Manufacture:	1963	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	25423
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	07/07/2018, Annual	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4137 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-360-A1A
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:	KRDM, 3084 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	1956 UTC	Direction from Accident Site:	259°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.03 inches Hg	Temperature/Dew Point:	22° C / 1° C
Precipitation and Obscuration:	Moderate - Smoke; No Obscuration; No Precipitation		
Departure Point:	Madras, OR (S33)	Type of Flight Plan Filed:	None
Destination:	Prineville, OR (S39)	Type of Clearance:	None
Departure Time:	1145 PDT	Type of Airspace:	Class G

## Airport Information

Airport:	Prineville (S39)	Runway Surface Type:	Asphalt; Gravel
Airport Elevation:	3251 ft	Runway Surface Condition:	Dry
Runway Used:	33	IFR Approach:	None
Runway Length/Width:	4054 ft / 40 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	44.287778, -120.905278 (est)

## Administrative Information

Investigator In Charge (IIC):	Michael A Hicks	Report Date:	09/26/2019
Additional Participating Persons:	Jim Holden; FAA; Portland, OR		
Publish Date:	09/26/2019		
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=98161">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=98161</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](#).