



# Aviation Investigation Final Report

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<b>Location:</b>	Anchorage, Alaska	<b>Accident Number:</b>	ANC21LA002
<b>Date &amp; Time:</b>	October 20, 2020, 14:15 Local	<b>Registration:</b>	N850WB
<b>Aircraft:</b>	Cessna 185	<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 - Instructional		

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## Analysis

The pilot receiving instruction reported that he and the flight instructor were practicing takeoffs and landings in his airplane. On the second landing, during the landing roll, the airplane veered to the right and exited the runway onto soft terrain, and the airplane then spun abruptly to the right. The left wing and left elevator struck the ground, which resulted in substantial damage to the left wing, left aileron, left horizontal stabilizer, and left elevator. The pilot receiving instruction reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation and that the accident might have been prevented if he had reacted more quickly and prevented the airplane from departing the runway.

## Probable Cause and Findings

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

The pilot receiving instruction's failure to maintain directional control during the landing roll, which resulted in a runway excursion onto soft terrain. Contributing to the accident was the flight instructor's inadequate supervision of the pilot while landing.

## Findings

<b>Personnel issues</b>	Aircraft control - Student/instructed pilot
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Personnel issues</b>	Monitoring other person - Instructor/check pilot
<b>Environmental issues</b>	(general) - Effect on operation

## Factual Information

### History of Flight

<b>Landing-landing roll</b>	Loss of control on ground (Defining event)
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### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	63, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	4-point
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	
<b>Medical Certification:</b>	Class 3 Without waivers/limitations	<b>Last FAA Medical Exam:</b>	August 14, 2020
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	May 26, 2010
<b>Flight Time:</b>	574 hours (Total, all aircraft), 574 hours (Pilot In Command, all aircraft)		

### Flight instructor Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	69, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	4-point
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine	<b>Toxicology Performed:</b>	
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	March 5, 2020
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	October 13, 2020
<b>Flight Time:</b>	2400 hours (Total, all aircraft), 0 hours (Total, this make and model), 2000 hours (Pilot In Command, all aircraft), 1 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N850WB
<b>Model/Series:</b>	185 E	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1968	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	185-1350
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	October 1, 2020 Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	Reciprocating
<b>Airframe Total Time:</b>	5600 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	IO-520D
<b>Registered Owner:</b>	John A Morris	<b>Rated Power:</b>	300 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	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>	PABV,96 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	13:56 Local	<b>Direction from Accident Site:</b>	98°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>		<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	230°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30.42 inches Hg	<b>Temperature/Dew Point:</b>	2°C / -2°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Anchorage, AK (PALH)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Anchorage, AK (PALH)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	13:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	Birchwood Airport PABV	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	83 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	02L	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4010 ft / 100 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>		<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	61.416089,-149.5083

## Administrative Information

**Investigator In Charge (IIC):** Banning, David

**Additional Participating Persons:**

**Original Publish Date:** September 29, 2021

**Last Revision Date:**

**Investigation Class:** [Class 4](#)

**Note:** The NTSB did not travel to the scene of this accident.

**Investigation Docket:** <https://data.ntsb.gov/Docket?ProjectID=102180>

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