



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Soldotna, AK	<b>Accident Number:</b>	ANC14CA026
<b>Date &amp; Time:</b>	05/02/2014, 1745 AKD	<b>Registration:</b>	N3469C
<b>Aircraft:</b>	CESSNA 170B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The student pilot was practicing solo takeoff and landings in a tailwheel-equipped airplane on a dry, hard surfaced runway. At the beginning of the flight, the winds were light and variable, but during the last landing, the wind had shifted to a slight tailwind. During the landing, the pilot lost control of the airplane, and ground looped, sustaining substantial damage to the right wing. The pilot reported no preaccident mechanical anomalies 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 recognize a wind shift, resulting in a tailwind landing, loss of control, and ground loop.

## Findings

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<b>Aircraft</b>	Performance/control parameters - Not attained/maintained (Cause)
<b>Personnel issues</b>	Identification/recognition - Student pilot (Cause) Aircraft control - Student pilot (Cause)
<b>Environmental issues</b>	Tailwind - Effect on operation

## Factual Information

### History of Flight

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

Certificate:	Student	Age:	48
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	10/31/2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	74 hours (Total, all aircraft), 74 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N3469C
Model/Series:	170B UNDESIGNAT	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	26512
Landing Gear Type:	Tailwheel	Seats:	
Date/Type of Last Inspection:	03/18/2014, Annual	Certified Max Gross Wt.:	1451 lbs
Time Since Last Inspection:	45 Hours	Engines:	1 Reciprocating
Airframe Total Time:	8137 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	C126 installed, not activated	Engine Model/Series:	O-300 SER
Registered Owner:	DALE PAUL D	Rated Power:	145 hp
Operator:	On file	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	PASX, 113 ft msl	Observation Time:	0156 UTC
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	72°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	21°C / 1°C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	7 knots, 280°	Visibility (RVR):	
Altimeter Setting:	30.09 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Soldotna, AK (SXQ)	Type of Flight Plan Filed:	None
Destination:	Soldotna, AK (SXQ)	Type of Clearance:	None
Departure Time:	1700 AKD	Type of Airspace:	

## Airport Information

Airport:	SOLDOTNA (SXQ)	Runway Surface Type:	Asphalt
Airport Elevation:	113 ft	Runway Surface Condition:	Dry
Runway Used:	07	IFR Approach:	None
Runway Length/Width:	5000 ft / 132 ft	VFR Approach/Landing:	Traffic Pattern

## 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		

## Administrative Information

Investigator In Charge (IIC):	Christopher R Shaver	Adopted Date:	06/18/2014
Additional Participating Persons:	Larry Peterson; FAA Anchorage FSDO; Anchorage, AK		
Publish Date:	07/09/2015		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=89170">http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=89170</a>		

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