



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Steamboat Springs, CO	<b>Accident Number:</b>	CEN14CA460
<b>Date &amp; Time:</b>	08/01/2014, 1300 MDT	<b>Registration:</b>	N776BC
<b>Aircraft:</b>	AVIAT AIRCRAFT INC HUSKY	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control in flight	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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## Analysis

According to the FAA Certificated flight instructor, he was instructing the student rated pilot on a mountain flying technique known as "popping the flaps" in order to aid in gaining altitude during short field takeoffs. He stated that shortly after rotation, the student reached down to pop the flaps and inadvertently leaned on the yoke, causing the airplane to descend, strike the ground and loop to the right. The airplane sustained substantial damage to the right wing spar.

The pilot reported that there were no mechanical failures or anomalies with the airplane prior to or during the flight that would have prevented normal flight operation.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student rated pilot's inadvertent flight control input resulting in a ground loop and substantial damage to the right wing.

## Findings

### Aircraft

<b>Personnel issues</b>	Aircraft control - Pilot (Cause) Incorrect action performance - Pilot (Cause)
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## Factual Information

### History of Flight

<b>Takeoff</b>	Abrupt maneuver Loss of control in flight (Defining event) Collision with terr/obj (non-CFIT)
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### Flight Instructor Information

<b>Certificate:</b>	Flight Instructor	<b>Age:</b>	62, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Rear
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	Airplane Single-engine; Instrument Airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With Waivers/Limitations	<b>Last Medical Exam:</b>	06/06/2014
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	12/17/2013
<b>Flight Time:</b>	(Estimated) 1895 hours (Total, all aircraft), 75 hours (Total, this make and model)		

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	64, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	Yes
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With Waivers/Limitations	<b>Last Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	07/31/2014
<b>Flight Time:</b>	(Estimated) 500 hours (Total, all aircraft), 58 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AVIAT AIRCRAFT INC	Registration:	N776BC
Model/Series:	HUSKY A1B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	2079
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:		Certified Max Gross Wt.:	1890 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	O-360-CIG
Registered Owner:	HOOT AERO LLC	Rated Power:	180 hp
Operator:	HOOT AERO LLC	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KSBS, 6879 ft msl	Observation Time:	1914 UTC
Distance from Accident Site:	3 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	320°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 6500 ft agl	Temperature/Dew Point:	22° C / 10° C
Lowest Ceiling:	Broken / 8000 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	6 knots, 180°	Visibility (RVR):	
Altimeter Setting:	30.32 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	STEAMBOAT SPRINGS, CO (SBS)	Type of Flight Plan Filed:	None
Destination:	STEAMBOAT SPRINGS, CO (SBS)	Type of Clearance:	None
Departure Time:	1600 MDT	Type of Airspace:	Class G

## Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Alexander Lemishko	<b>Adopted Date:</b>	06/15/2016
<b>Additional Participating Persons:</b>	Yancey Rushton; Federal Aviation Administration; Denver, CO		
<b>Publish Date:</b>	06/15/2016		
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89963">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89963</a>		

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