



# Aviation Investigation Final Report

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<b>Location:</b>	Afton, Wyoming	<b>Accident Number:</b>	GAA19CA184
<b>Date &amp; Time:</b>	March 31, 2019, 11:30 Local	<b>Registration:</b>	N676SC
<b>Aircraft:</b>	Piper PA 16	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Abnormal runway contact	<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, upon landing, the airplane bounced twice and started to veer left. He immediately applied power to go around, but the main landing gear struck a snowbank, and the airplane nosed over.

The airplane sustained substantial damage to the left and right wings.

The pilot reported that there were no preimpact mechanical failures or malfunctions 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 improper landing flare, which resulted in a bounced landing and loss of directional control and the airplane's subsequent impact with a snowbank and nose-over during an attempted go-around.

## Findings

<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Aircraft</b>	Landing flare - Not attained/maintained
<b>Personnel issues</b>	Use of equip/system - Pilot
<b>Environmental issues</b>	Snow/ice - Effect on operation

## Factual Information

### History of Flight

<b>Landing-aborted after touchdown</b>	Abnormal runway contact (Defining event)
<b>Landing-aborted after touchdown</b>	Loss of control on ground
<b>Landing-aborted after touchdown</b>	Attempted remediation/recovery
<b>Landing-aborted after touchdown</b>	Collision with terr/obj (non-CFIT)
<b>Landing-aborted after touchdown</b>	Nose over/nose down

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	71, 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>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With waivers/limitations	<b>Last FAA Medical Exam:</b>	May 1, 2018
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	June 13, 2018
<b>Flight Time:</b>	(Estimated) 2293 hours (Total, all aircraft), 34 hours (Total, this make and model), 2094 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Piper	<b>Registration:</b>	N676SC
<b>Model/Series:</b>	PA 16 No Series	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1949	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	16-676
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	May 22, 2018 Annual	<b>Certified Max Gross Wt.:</b>	1650 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2405 Hrs at time of accident	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	C91 installed, not activated	<b>Engine Model/Series:</b>	O-360-A2B
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	150 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>	KAF0,6221 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	17:35 Local	<b>Direction from Accident Site:</b>	4°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	/	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>		<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	30.28 inches Hg	<b>Temperature/Dew Point:</b>	-1°C / -7°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Afton, WY (AFO)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Afton, WY (AFO)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	10:45 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	Afton Muni AFO	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	6220 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	34	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	7025 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	42.708889,-110.942222(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Gutierrez, Eric
<b>Additional Participating Persons:</b>	Bruce Hanson; FAA; Denver, CO
<b>Original Publish Date:</b>	November 6, 2019
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=99193">https://data.nts.gov/Docket?ProjectID=99193</a>

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