



Aviation Investigation Final Report

Location:	Grass Valley, California	Accident Number:	GAA18CA271
Date & Time:	May 9, 2018, 11:15 Local	Registration:	N210BG
Aircraft:	Cessna P210	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, while en route, he noticed a loose camlock screw on the engine cowling and decided to land the airplane at the nearest airport. He added that, during the landing, he applied the brakes, but they had "minimal effect." As the airplane slowed "very slightly," he determined he could make the taxiway turn. But, he added that, "the left steering did not [a]ffect direction." The airplane exited the runway and went over the runway embankment.

The airplane sustained substantial damage to the left wing.

The pilot reported that the brakes failed to slow the airplane to a complete stop, and the nosewheel failed to turn.

A local mechanic examined the brakes following the accident and found no anomalies.

The airport manager reported that marks on the runway showed that the airplane had touched down about 1,000 to 1,500 ft beyond the approach end of the runway. Additionally, there was about a 15- ft-long skid mark showing a skidding left turn before the airplane exited the runway.

Pictures submitted by the Federal Aviation Administration inspector showed the skid marks turning left while exiting the end of the runway.

The airport supplement stated that runway 25 sloped downhill to the west.

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 long landing and a runway excursion.

Findings

Aircraft	Landing flare - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Sloped/uneven terrain - Response/compensation

Factual Information

History of Flight

Landing	Landing area overshoot
Landing	Loss of control on ground (Defining event)
Landing	Runway excursion

Pilot Information

Certificate:	Private	Age:	68,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
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:	May 10, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 17, 2017
Flight Time:	(Estimated) 1460 hours (Total, all aircraft), 460 hours (Total, this make and model), 1460 hours (Pilot In Command, all aircraft), 6.4 hours (Last 90 days, all aircraft), 0.8 hours (Last 30 days, all aircraft), 0.8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N210BG
Model/Series:	P210 N	Aircraft Category:	Airplane
Year of Manufacture:	1978	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	P21000025
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	April 3, 2018 Annual	Certified Max Gross Wt.:	4000 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3482 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	Installed, not activated	Engine Model/Series:	TSIO-520-P
Registered Owner:		Rated Power:	310 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KG00,3153 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	18:15 Local	Direction from Accident Site:	62°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.05 inches Hg	Temperature/Dew Point:	21°C / 9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Beckwourth, CA (002)	Type of Flight Plan Filed:	None
Destination:	Grass Valley, CA (G00)	Type of Clearance:	None
Departure Time:	10:37 Local	Type of Airspace:	Class G

Airport Information

Airport:	NEVADA COUNTY G00	Runway Surface Type:	Asphalt
Airport Elevation:	3157 ft msl	Runway Surface Condition:	Dry
Runway Used:	25	IFR Approach:	None
Runway Length/Width:	4657 ft / 75 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:	39.223056,-121.005279(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Joseph C Mitchell; FAA; Sacramento, CA
Original Publish Date:	October 24, 2018
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=97228

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