



# Aviation Investigation Final Report

<b>Location:</b>	Porterville, California	<b>Accident Number:</b>	GAA19CA073
<b>Date &amp; Time:</b>	November 25, 2018, 13:20 Local	<b>Registration:</b>	N66710
<b>Aircraft:</b>	Beech C23	<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		

## Analysis

The pilot reported that, during the landing flare, the airplane touched down on the main landing gear and ballooned a few feet off the ground. Subsequently, the airplane porpoised, the nosewheel collapsed, and the airplane came to rest nose down on the runway.

The airplane sustained substantial damage to the engine mount.

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 an abnormal landing and subsequent porpoise.

## Findings

<b>Aircraft</b>	Pitch control - Not attained/maintained
<b>Personnel issues</b>	Aircraft control - Pilot

## Factual Information

### History of Flight

Landing-flare/touchdown	Abnormal runway contact
Landing-flare/touchdown	Loss of control on ground (Defining event)
Landing-flare/touchdown	Landing gear collapse
Landing-flare/touchdown	Nose over/nose down

### Pilot Information

Certificate:	Private	Age:	71,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:	March 7, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 22, 2017
Flight Time:	(Estimated) 242 hours (Total, all aircraft), 220 hours (Total, this make and model), 132 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Beech	Registration:	N66710
Model/Series:	C23	Aircraft Category:	Airplane
Year of Manufacture:	1983	Amateur Built:	
Airworthiness Certificate:	Normal; Utility	Serial Number:	M-2387
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	November 20, 2017 Annual	Certified Max Gross Wt.:	2450 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	6109 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91 installed, not activated	Engine Model/Series:	O-360-A4K
Registered Owner:		Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	Fractional ownership

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KPTV,442 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	21:56 Local	<b>Direction from Accident Site:</b>	177°
<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>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>	300°	<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	30.05 inches Hg	<b>Temperature/Dew Point:</b>	21°C / 12°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Porterville, CA (PTV )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Porterville, CA (PTV )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	12:50 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	PORTERVILLE MUNI PTV	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	443 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	30	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5960 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	36.029998,-119.063056(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Gutierrez, Eric
<b>Additional Participating Persons:</b>	Troy Wise; FAA; Fresno, CA
<b>Original Publish Date:</b>	September 26, 2019
<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=98678">https://data.nts.gov/Docket?ProjectID=98678</a>

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