



# Aviation Investigation Final Report

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<b>Location:</b>	Butte, Montana	<b>Accident Number:</b>	WPR20CA183
<b>Date &amp; Time:</b>	June 15, 2020, 12:30 Local	<b>Registration:</b>	N87395
<b>Aircraft:</b>	Cessna 310	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Landing gear collapse	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

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## Analysis

While on final approach to land, about 150 ft above the ground, the pilot maneuvered and descended the airplane away from a bird. The pilot then realized that he was on a lower approach path to the runway after he observed an airport perimeter fence, but felt that he could still perform a safe landing and increased engine power to continue the approach. The airplane’s left main landing gear then struck a fence post and the pilot initiated a go-around to return to the departure airport. After unsuccessful attempts to verify the left main landing gear was extended and locked, he initiated a landing with full flaps and in a right-wing low attitude. As the airplane touched down, the left main landing gear collapsed, the airplane veered left, exited the runway, and the left wing struck a runway sign. The airplane sustained substantial damage to the left wing. The pilot reported that there were no preaccident 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 failure to maintain clearance from a fence post during final approach which resulted in a damage to the left main landing gear, and its subsequent collapse during landing.

## Findings

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<b>Personnel issues</b>	Monitoring environment - Pilot
<b>Aircraft</b>	Descent/approach/glide path - Not attained/maintained
<b>Environmental issues</b>	Pole - Effect on operation
<b>Aircraft</b>	Main landing gear - Damaged/degraded

## Factual Information

### History of Flight

<b>Landing</b>	Landing gear collapse (Defining event)
<b>Landing</b>	Runway excursion
<b>Landing</b>	Collision with terr/obj (non-CFIT)

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	62, Male
<b>Airplane Rating(s):</b>	Single-engine land; Multi-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Unknown
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Airplane multi-engine; Airplane single-engine; Instrument airplane	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 With waivers/limitations	<b>Last FAA Medical Exam:</b>	June 9, 2020
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	(Estimated)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N87395
<b>Model/Series:</b>	310 R	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1975	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	310R0543
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	Unknown	<b>Certified Max Gross Wt.:</b>	5501 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>		<b>Engine Model/Series:</b>	IO 520 SERIES
<b>Registered Owner:</b>	Angle Of Attack Aeronautics LLC	<b>Rated Power:</b>	285 Horsepower
<b>Operator:</b>	Angle Of Attack Aeronautics LLC	<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>	KBTM,5533 ft msl	<b>Distance from Accident Site:</b>	1 Nautical Miles
<b>Observation Time:</b>	11:53 Local	<b>Direction from Accident Site:</b>	347°
<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>	4 knots /	<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>	30.02 inches Hg	<b>Temperature/Dew Point:</b>	13°C / -3°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Twin Bridges, MT (7S1 )	<b>Type of Flight Plan Filed:</b>	Unknown
<b>Destination:</b>	Butte, MT (BTM )	<b>Type of Clearance:</b>	Unknown
<b>Departure Time:</b>	09:00 Local	<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	Bert Mooney BTM	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	5550 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	33	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	9000 ft / 150 ft	<b>VFR Approach/Landing:</b>	Full stop

## 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>	45.954723,-112.497497(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Nepomuceno, Eleazar
<b>Additional Participating Persons:</b>	Luke Watters; FAA; Helena, MT
<b>Original Publish Date:</b>	January 29, 2021
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class 4</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=101452">https://data.nts.gov/Docket?ProjectID=101452</a>

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