



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	Nome, AK	<b>Accident Number:</b>	ANC15LA023
<b>Date &amp; Time:</b>	04/23/2015, 1240 AKD	<b>Registration:</b>	N4554F
<b>Aircraft:</b>	CESSNA 185	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The commercial pilot was conducting a personal cross-country flight in the wheel/ski-equipped airplane. The pilot reported that, just as the airplane became airborne, he heard a "loud bang" and that he then noticed that the left wheel/ski assembly had rotated up and near the left window. The pilot then chose to return to the departure runway for an emergency landing, and he crabbed the airplane into the wind to hold the wheel/ski assembly close to the airplane during the return flight back to the airport. During touchdown, as the airplane settled onto the runway, the left main landing gear leg contacted the ground and collapsed, and the left wing struck the ground.

A postaccident examination of the airplane revealed that the left main landing gear leg assembly fractured near the axle through bolts. The fractured gear leg and maintenance records were not made available for examination; therefore, the reason for the failure of the left main landing gear leg could not be determined.

## Flight Events

Takeoff - Sys/Comp malf/fail (non-power)

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The failure of the left main landing gear leg for reasons that could not be determined based on the available evidence.

## Findings

Aircraft-Aircraft systems-Landing gear system-Main landing gear attach sec-Failure - C

## Pilot Information

<b>Certificate:</b>	Commercial; Private	<b>Age:</b>	58
<b>Airplane Rating(s):</b>	Single-engine Land; Single-engine Sea	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	25500 hours (Total, all aircraft), 8000 hours (Total, this make and model), 25500 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N4554F
<b>Model/Series:</b>	185	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	Continental
<b>Operating Certificate(s) Held:</b>	None	<b>Engine Model/Series:</b>	IO520D
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	94Z, 37 ft msl	<b>Weather Information Source:</b>	Pilot
<b>Lowest Ceiling:</b>	Overcast / 1000 ft agl	<b>Wind Speed/Gusts, Direction:</b>	17 knots / , 120°
<b>Temperature:</b>	0°C	<b>Visibility</b>	5 Miles
<b>Precipitation and Obscuration:</b>	Light - Snow; Moderate - Mist		
<b>Departure Point:</b>	Nome, AK (94Z)	<b>Destination:</b>	WHITE MOUNTAIN, AK (WMO)

## Airport Information

<b>Airport:</b>	NOME CITY FIELD (94Z)	<b>Runway Surface Type:</b>	Ice; Snow
<b>Runway Used:</b>	03	<b>Runway Surface Condition:</b>	Ice; Snow
<b>Runway Length/Width:</b>	1950 ft / 110 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Latitude, Longitude:</b>	64.511389, -165.390278		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Millicent M Hill	<b>Adopted Date:</b>	02/13/2017
<b>Note:</b>	The NTSB did not travel to the scene of this accident.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=91096">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=91096</a>		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the

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accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.