



# National Transportation Safety Board Aviation Accident Data Summary

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<b>Location:</b>	Haines, AK	<b>Accident Number:</b>	ANC07LA035
<b>Date &amp; Time:</b>	05/01/2007, 1700 AKD	<b>Registration:</b>	N185M
<b>Aircraft:</b>	Cessna A185F	<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

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## Analysis

The airplane was being operated by a mountain flying service delivering climbers and their equipment to a glacier base camp, under Title 14, CFR Part 135. The commercial certificated pilot said during the landing roll on the glacier, while turning to the left, the right ski loaded up with snow. He said the ski attachment to the right main landing gear broke, and the gear leg dug into the snow. The airplane nosed down, and the right wing struck the surface of the glacier, damaging the wing and aileron. The pilot said an examination of the landing gear revealed that the ski attaching bolts had sheared. He said he had made several trips to the glacier that day, and that there were no problems with the airplane or the landing gear prior to the accident.

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The main landing gear attachment bolts to the right ski sheared during the landing roll in deep snow, resulting in a nose down, and structural damage to the right wing and aileron.

## Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION  
Phase of Operation: LANDING - ROLL

### Findings

1. (C) LANDING GEAR,MAIN GEAR ATTACHMENT - SHEARED  
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Occurrence #2: NOSE DOWN  
Phase of Operation: LANDING - ROLL

### Findings

2. WING,WING RIB - BUCKLED  
3. FLIGHT CONTROL,AILERON - BUCKLED  
4. TERRAIN CONDITION - SNOW COVERED

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	52
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	7700 hours (Total, all aircraft), 7300 hours (Total, this make and model), 37 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	Cessna	<b>Registration:</b>	N185M
<b>Model/Series:</b>	A185F	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Mountain Flying Service	<b>Engine Manufacturer:</b>	Continental
<b>Air Carrier Operating Certificate:</b>	Commuter Air Carrier (135); On-demand Air Taxi (135)	<b>Engine Model/Series:</b>	IO-550-D
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>		<b>Weather Information Source:</b>	Pilot
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	Calm
<b>Temperature:</b>	4° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Haines, AK (PAHN)	<b>Destination:</b>	Haines, AK

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Lawrence R Lewis	<b>Adopted Date:</b>	07/25/2007
<b>Investigation Docket:</b>	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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