



# National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Loveland, CO	<b>Accident Number:</b>	DEN07CA111
<b>Date &amp; Time:</b>	07/01/2007, 0945 MDT	<b>Registration:</b>	N180EV
<b>Aircraft:</b>	Cessna 180A	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None

**Flight Conducted Under:** Part 91: General Aviation - Personal

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The pilot reported encountering a gust of wind on landing causing the airplane to ground loop. The pilot and three passengers on board were not injured. An examination of the airplane showed the left wing bent aft. The left main landing gear was broken aft. The airplane's firewall was bent. The cowling was crushed inward and aft. The propeller showed torsional bending at the blade tips. The left horizontal stabilizer and elevator were bent aft. Flight control continuity was confirmed. An examination of the airplane's systems showed no anomalies. The reported wind conditions for the airport 10 minutes after the accident occurred were 180 degrees at 5 knots. The wind conditions were calm 30 minutes prior to the accident.

## Pilot Information

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<b>Certificate:</b>	Private	<b>Age:</b>	77, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	
<b>Medical Certification:</b>	Class 3	<b>Last FAA Medical Exam:</b>	11/01/2006
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2545 hours (Total, all aircraft), 1381 hours (Total, this make and model), 29 hours (Last 90 days, all aircraft), 24 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N180EV
Model/Series:	180A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	32949
Landing Gear Type:	Tailwheel	Seats:	
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	O-470-K
Registered Owner:	Richard H. Otteman	Rated Power:	
Operator:	Richard H. Otteman	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	18° C
Precipitation and Obscurate:	No Obscurate; No Precipitation		
Departure Point:	Pender, NE (0V4)	Type of Flight Plan Filed:	None
Destination:	Loveland, CO (FNL)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

## Airport Information

Airport:	FORT COLLINS-LOVELAND MUNI (FNL)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:		IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	

## 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>	
<b>Total Injuries:</b>	4 None	<b>Latitude, Longitude:</b>	40.451944, -105.011389

## Administrative Information

<b>Investigator In Charge (IIC):</b>	David C Bowling
<b>Additional Participating Persons:</b>	
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<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:pubinquiry@ntsb.gov">pubinquiry@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> .