



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Colorado Springs, CO	<b>Accident Number:</b>	CEN12CA157
<b>Date &amp; Time:</b>	02/04/2012, 1422 MDT	<b>Registration:</b>	N2696C
<b>Aircraft:</b>	CESSNA R182	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Landing gear not configured	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot was conducting a series of practice accuracy landings in preparation for a checkride. He reported that he inadvertently forgot to extend the landing gear. He added that he did not remember hearing the landing gear warning horn just before touchdown because he had allowed himself to become fixated on maneuvering the aircraft to the precise landing point. The airplane touched down on the runway surface with the landing gear retracted, which caused substantial damage to the fuselage structure. The pilot reported that there were no preimpact mechanical malfunctions with the airplane.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot did not extend the landing gear before landing.

## Findings

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<b>Aircraft</b>	Landing gear system - Not used/operated (Cause)
<b>Personnel issues</b>	Forgotten action/omission - Pilot (Cause)

## Factual Information

### History of Flight

<b>Landing</b>	Landing gear not configured (Defining event) Abnormal runway contact
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### Pilot Information

<b>Certificate:</b>	Airline Transport; Flight Instructor; Military	<b>Age:</b>	49, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	Helicopter	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	Airplane; Helicopter	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	Helicopter; Instrument Helicopter	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With Waivers/Limitations	<b>Last Medical Exam:</b>	11/21/2011
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	12/23/2011
<b>Flight Time:</b>	3653 hours (Total, all aircraft), 22 hours (Total, this make and model), 2107 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	CESSNA	<b>Registration:</b>	N2696C
<b>Model/Series:</b>	R182	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	R18200218
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	01/06/2012, 100 Hour	<b>Certified Max Gross Wt.:</b>	3100 lbs
<b>Time Since Last Inspection:</b>	50 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1176 Hours	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	O-540 SERIES
<b>Registered Owner:</b>	UNITED STATES AIR FORCE - PETERSON AFB AERO CLUB	<b>Rated Power:</b>	250 hp
<b>Operator:</b>	On file	<b>Air Carrier Operating Certificate:</b>	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KCOS, 6187 ft msl	Observation Time:	1354 MDT
Distance from Accident Site:	1 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	90°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	-1° C / -8° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	11 knots, 30°	Visibility (RVR):	
Altimeter Setting:	30.35 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Colorado Springs, CO (COS)	Type of Flight Plan Filed:	Company VFR
Destination:	Colorado Springs, CO (COS)	Type of Clearance:	VFR
Departure Time:	1345 MDT	Type of Airspace:	

## Airport Information

Airport:	City of Colorado Springs Muni (COS)	Runway Surface Type:	Concrete
Airport Elevation:	6187 ft	Runway Surface Condition:	Dry
Runway Used:	35R	IFR Approach:	None
Runway Length/Width:	13501 ft / 150 ft	VFR Approach/Landing:	Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor		

## Administrative Information

Investigator In Charge (IIC):	Thomas Latson	Adopted Date:	04/02/2012
Additional Participating Persons:	Greg H Smith; FAA Denver FSDO; Denver, CO		
Publish Date:	04/02/2012		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82898">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82898</a>		

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