



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Oshkosh, WI	<b>Accident Number:</b>	CEN12CA510
<b>Date &amp; Time:</b>	08/01/2012, 0015 CDT	<b>Registration:</b>	N462TR
<b>Aircraft:</b>	CESSNA 172S	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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## Analysis

The airplane was on final approach to land after the completion of a local night instructional flight. The flight instructor was to demonstrate the proper pitch attitude and sight picture needed for a landing at night. On short final, just before touchdown, the airplane drifted off of the runway centerline to the left. Upon touchdown the airplane was still moving toward the left side of the runway. The instructor stated that with the low energy state of the airplane there was not enough room to perform a go-around safely. The airplane then exited the runway as he applied flight control inputs to correct back to the centerline. Upon exiting the runway, the airplane impacted a runway light on the lower portion of the right wing strut attach point, resulting in structural damage to the strut. The instructor reported that the accident could have been prevented if positive control was maintained during the landing phase of the flight.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The flight instructor's loss of directional control during landing, which resulted in a collision with a runway light.

## Findings

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<b>Aircraft</b>	Directional control - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Runway/taxi/approach light - Contributed to outcome

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event) Runway excursion
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### Flight Instructor Information

Certificate:	Flight Instructor; Commercial	Age:	31, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 1 Without Waivers/Limitations	Last Medical Exam:	03/22/2012
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	05/31/2012
Flight Time:	(Estimated) 744 hours (Total, all aircraft), 580 hours (Total, this make and model), 692 hours (Pilot In Command, all aircraft), 149 hours (Last 90 days, all aircraft), 44 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

### Student Pilot Information

Certificate:	Student	Age:	30, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 1 Without Waivers/Limitations	Last Medical Exam:	03/23/2012
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	46 hours (Total, all aircraft), 46 hours (Total, this make and model), 10 hours (Pilot In Command, all aircraft), 46 hours (Last 90 days, all aircraft), 23 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N462TR
Model/Series:	172S	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	172S9462
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	07/02/2012, Annual	Certified Max Gross Wt.:	2558 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3210 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-360-L2A
Registered Owner:	CHRISTIANSEN AVIATION INC	Rated Power:	180 hp
Operator:	Fox Valley Technical College	Air Carrier Operating Certificate:	None

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	OSH, 808 ft msl	Observation Time:	0010 CDT
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Night/Dark
Direction from Accident Site:	0°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	19° C / 17° C
Lowest Ceiling:	None	Visibility	7 Miles
Wind Speed/Gusts, Direction:	3 knots, 170°	Visibility (RVR):	
Altimeter Setting:	29.95 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:			
Departure Point:	Oshkosh, WI (OSH)	Type of Flight Plan Filed:	VFR
Destination:	Oshkosh, WI (OSH)	Type of Clearance:	Traffic Advisory
Departure Time:	2100 CDT	Type of Airspace:	

## Airport Information

Airport:	Wittman Regioanl Airport (OSH)	Runway Surface Type:	Asphalt
Airport Elevation:	808 ft	Runway Surface Condition:	Dry
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	8002 ft / 150 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

## Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None		

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Alexander Lemishko	<b>Adopted Date:</b>	02/12/2013
<b>Additional Participating Persons:</b>	Jan Gerstner; FAA FSDO Milwaukee; Milwaukee, WI		
<b>Publish Date:</b>	02/12/2013		
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=84557">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=84557</a>		

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