



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Kansas City, MO	<b>Accident Number:</b>	CEN12LA147
<b>Date &amp; Time:</b>	02/02/2012, 1310 CST	<b>Registration:</b>	N6564V
<b>Aircraft:</b>	BELLANCA 17-30	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Analysis

The pilot reported that after touchdown, the airplane suddenly veered off the left side of the runway. During the runway excursion, the airplane struck the precision approach path indicator light system, resulting in substantial damage to both wings. Postaccident examination of the airplane revealed that a rod end bearing on the nosewheel steering pushrod failed. As a result, the pilot was unable to operate the nosewheel steering.

## Flight Events

Landing-landing roll - Loss of control on ground  
Landing-landing roll - Runway excursion  
Landing-landing roll - Collision with terr/obj (non-CFIT)

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
The failure of the nosewheel steering pushrod, which resulted in a loss of airplane directional control and runway excursion.

## Findings

Aircraft-Aircraft systems-Landing gear system-Landing gear steering system-Failure - C  
Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Attain/maintain not possible - C

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	80
<b>Airplane Rating(s):</b>	Multi-engine Land; 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>	1035 hours (Total, all aircraft), 250 hours (Total, this make and model), 1035 hours (Pilot In Command, all aircraft), 1 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

## Flight Instructor Information

<b>Certificate:</b>	Airline Transport; Flight Engineer	<b>Age:</b>	73
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
<b>Flight Time:</b>			

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	BELLANCA	<b>Registration:</b>	N6564V
<b>Model/Series:</b>	17-30	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	On file	<b>Engine Manufacturer:</b>	CONT MOTOR
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	IO 520 SERIES
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	MKC, 757 ft msl	<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>	Light and Variable, Variable
<b>Temperature:</b>	18° C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Kansas City, MO (MKC)	<b>Destination:</b>	Kansas City, MO (MKC)

## Airport Information

<b>Airport:</b>	Charles B. Wheeler Downtown (MKC)	<b>Runway Surface Type:</b>	Concrete
<b>Runway Used:</b>	19	<b>Runway Surface Condition:</b>	Dry
<b>Runway Length/Width:</b>	6827 ft / 150 ft		

## Wreckage and Impact Information

<b>Crew Injuries:</b>	2 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

## Administrative Information

<b>Investigator In Charge (IIC):</b>	John M Brannen	<b>Adopted Date:</b>	08/07/2013
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82808">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82808</a>		

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