



# Aviation Investigation Final Report

<b>Location:</b>	Conway, Arkansas	<b>Accident Number:</b>	CEN23LA073
<b>Date &amp; Time:</b>	January 1, 2023, 14:00 Local	<b>Registration:</b>	N7003G
<b>Aircraft:</b>	Cessna 172K	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Abnormal runway contact	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

The student pilot reported that, during landing, the airplane bounced and began too “fishtail” and he lost control of the airplane. When the pilot regained control of the airplane, the right main landing gear was off the runway and the airplane exited the runway into muddy ground. The airplane nose wheel became stuck, and the airplane nosed over and came to rest inverted. The airplane sustained substantial damage to wings and vertical stabilizer. The student pilot reported that there were no preaccident mechanical malfunctions or failures with the airplane that would have precluded normal operation.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The solo student pilot’s improper landing flare and subsequent improper recovery from a bounced landing.

## Findings

<b>Personnel issues</b>	Aircraft control - Student/instructed pilot
<b>Aircraft</b>	Landing flare - Not attained/maintained
<b>Personnel issues</b>	Incorrect action performance - Student/instructed pilot

## Factual Information

### History of Flight

<b>Landing</b>	Abnormal runway contact (Defining event)
<b>Landing-landing roll</b>	Loss of control on ground

### Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	44,Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	3-point
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	
<b>Medical Certification:</b>	Class 1 With waivers/limitations	<b>Last FAA Medical Exam:</b>	October 1, 2022
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	(Estimated) 22 hours (Total, all aircraft), 22 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Cessna	<b>Registration:</b>	N7003G
<b>Model/Series:</b>	172K	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	1968	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	17258703
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	December 7, 2022 100 hour	<b>Certified Max Gross Wt.:</b>	2200 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	4224 Hrs as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	C91A installed, not activated	<b>Engine Model/Series:</b>	0-320E2D
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KCXW	Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	11 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.88 inches Hg	Temperature/Dew Point:	-6.7°C / -39.4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Conway, AR	Type of Flight Plan Filed:	None
Destination:	Conway, AR	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class E

## Airport Information

Airport:	Conway Regional Airport KCXW	Runway Surface Type:	Concrete
Airport Elevation:	276 ft msl	Runway Surface Condition:	Dry
Runway Used:	22	IFR Approach:	None
Runway Length/Width:	5500 ft / 100 ft	VFR Approach/Landing:	Traffic pattern

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	35.019889,-92.555111(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Otterstrom, Kevin
<b>Additional Participating Persons:</b>	Nathan Bradshaw ; FAA / FSDO ; Little Rock , AR
<b>Original Publish Date:</b>	April 20, 2023
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class 4</a>
<b>Note:</b>	The NTSB did not travel to the scene of this accident.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=106524">https://data.nts.gov/Docket?ProjectID=106524</a>

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