



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	Hesperia, CA	<b>Accident Number:</b>	GAA19CA090
<b>Date &amp; Time:</b>	12/08/2018, 1000 PST	<b>Registration:</b>	N947DS
<b>Aircraft:</b>	Zenair CH 750 CRUZER	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

The pilot reported that he planned to land close to the numbers, but when the airplane was about 15 ft above ground level, it descended unexpectedly. He added power and pitched the airplane nose down, and the nosewheel touched down hard. The airplane began to porpoise, so he increased the throttle to full, but the airplane veered left, exited the runway, and impacted an empty hangar.

The airplane sustained substantial damage to the right wing.

The pilot reported that there were no preaccident mechanical failures or malfunctions 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 pilot's improper landing flare, which resulted in hard, bounced landing, runway excursion, and impact with a hangar.

## Findings

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<b>Aircraft</b>	Landing flare - Not attained/maintained (Cause)
<b>Personnel issues</b>	Aircraft control - Pilot (Cause)
<b>Environmental issues</b>	Airport structure - Effect on operation (Cause)

## Factual Information

### History of Flight

<b>Landing</b>	Hard landing Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT)
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### Pilot Information

<b>Certificate:</b>	Sport Pilot	<b>Age:</b>	71, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Sport Pilot	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	10/14/2017
<b>Flight Time:</b>	(Estimated) 25 hours (Total, all aircraft), 315 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Zenair	<b>Registration:</b>	N947DS
<b>Model/Series:</b>	CH 750 CRUZER No Series	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2015	<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental Light Sport	<b>Serial Number:</b>	C75-10047
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	03/22/2018, Condition	<b>Certified Max Gross Wt.:</b>	1440 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Viking
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	110
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KAPV, 3062 ft msl	Distance from Accident Site:	14 Nautical Miles
Observation Time:	1755 UTC	Direction from Accident Site:	28°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:		Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.36 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Corona, CA (AJO)	Type of Flight Plan Filed:	None
Destination:	Hesperia, CA (L26)	Type of Clearance:	None
Departure Time:	0900 PST	Type of Airspace:	Class G

## Airport Information

Airport:	HESPERIA (L26)	Runway Surface Type:	Asphalt
Airport Elevation:	3390 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	3910 ft / 50 ft	VFR Approach/Landing:	Full Stop

## 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	Latitude, Longitude:	34.376944, -117.316111 (est)

## Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	03/03/2020
Additional Participating Persons:	Maria LeBlanc; FAA; Riverside, CA		
Publish Date:	03/03/2020		
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=98749">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=98749</a>		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).