



National Transportation Safety Board Aviation Accident Final Report

Location:	Hemet, CA	Accident Number:	GAA19CA508
Date & Time:	08/22/2019, 1124 PDT	Registration:	N16435
Aircraft:	PIPER PA28	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The solo student pilot reported that the airplane landed hard on the left side of the runway. He added right rudder, but the airplane did not respond quickly enough, so he added power to perform a go-around. The airplane then exited the runway to the left, impacted a ditch, and the nose landing gear collapsed. The student added that, after the accident, his instructor told him he could have used the right brake to aid in directional control.

The airplane sustained substantial damage to the fuselage.

The student 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 student pilot's failure to maintain directional control while attempting to go around, which resulted in a runway excursion and impact with a ditch.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Student pilot (Cause)
Environmental issues	Sloped/uneven terrain - Effect on operation (Cause)

Factual Information

History of Flight

Landing	Hard landing Loss of control on ground (Defining event) Runway excursion Collision with terr/obj (non-CFIT) Landing gear collapse
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Student Pilot Information

Certificate:	Student	Age:	69, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last FAA Medical Exam:	08/28/2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 48.5 hours (Total, all aircraft), 48.5 hours (Total, this make and model), 18.5 hours (Last 90 days, all aircraft), 12.5 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N16435
Model/Series:	PA28 180	Aircraft Category:	Airplane
Year of Manufacture:	1973	Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	28-7305254
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	09/09/2018, Annual	Certified Max Gross Wt.:	2450 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	7334 Hours as of last inspection	Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	O-360
Registered Owner:	On file	Rated Power:	180 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KRIV, 1536 ft msl	Distance from Accident Site:	15 Nautical Miles
Observation Time:	1758 UTC	Direction from Accident Site:	311°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	29.82 inches Hg	Temperature/Dew Point:	31° C / 4° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hemet, CA (HMT)	Type of Flight Plan Filed:	None
Destination:	Hemet, CA (HMT)	Type of Clearance:	None
Departure Time:	1124 PDT	Type of Airspace:	Class G

Airport Information

Airport:	HEMET-RYAN (HMT)	Runway Surface Type:	Asphalt
Airport Elevation:	1514 ft	Runway Surface Condition:	Dry
Runway Used:	23	IFR Approach:	None
Runway Length/Width:	4315 ft / 100 ft	VFR Approach/Landing:	Full Stop; Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	33.734167, -117.020833 (est)

Administrative Information

Investigator In Charge (IIC):	Kathryn R Benhoff	Report Date:	02/11/2020
Additional Participating Persons:	Maria LeBlanc; FAA; Riverside, CA		
Publish Date:	02/11/2020		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100132		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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