



Aviation Investigation Final Report

Location:	Lake Elsinore, California	Accident Number:	GAA20CA003
Date & Time:	October 4, 2019, 12:00 Local	Registration:	N192DP
Aircraft:	Vans RV9	Aircraft Damage:	Substantial
Defining Event:	Landing gear collapse	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that, after landing on a dirt runway and while taxiing down the runway to the parking area, the nose landing gear encountered soft terrain and collapsed, and the airplane nosed over. The airplane sustained substantial damage to the fuselage and rudder. 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 selection of unsuitable terrain for taxi, which resulted in the landing gear collapsing and a nose-over.

Findings

Personnel issues	Decision making/judgment - Pilot
Environmental issues	Soft surface - Effect on equipment
Environmental issues	Soft surface - Decision related to condition

Factual Information

History of Flight

Taxi	Miscellaneous/other
Taxi	Landing gear collapse (Defining event)
Taxi	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	25, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Without waivers/limitations	Last FAA Medical Exam:	May 28, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 56 hours (Total, all aircraft), 7.1 hours (Total, this make and model), 20 hours (Pilot In Command, all aircraft), 24.7 hours (Last 90 days, all aircraft), 15.3 hours (Last 30 days, all aircraft), 8.8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Vans	Registration:	N192DP
Model/Series:	RV9 A	Aircraft Category:	Airplane
Year of Manufacture:	2004	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	90411
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	November 28, 2018 Annual	Certified Max Gross Wt.:	1800 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	512.9 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-D25
Registered Owner:	On file	Rated Power:	160 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KRIV, 1536 ft msl	Distance from Accident Site:	16 Nautical Miles
Observation Time:	18:58 Local	Direction from Accident Site:	9°
Lowest Cloud Condition:	Clear	Visibility:	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	350°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.01 inches Hg	Temperature/Dew Point:	24°C / 5°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Mesquite, NV (67L)	Type of Flight Plan Filed:	None
Destination:	Lake Elsinore, CA (CA89)	Type of Clearance:	None
Departure Time:		Type of Airspace:	Class G

Airport Information

Airport:	Skylark Field CA89	Runway Surface Type:	Dirt
Airport Elevation:	1253 ft msl	Runway Surface Condition:	Rough;Soft
Runway Used:	11L	IFR Approach:	None
Runway Length/Width:	2800 ft / 100 ft	VFR Approach/Landing:	Full stop;Straight-in

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	33.630001,-117.301666(est)

Administrative Information

Investigator In Charge (IIC):	Gutierrez, Eric
Additional Participating Persons:	Ricardo Hernandez; FAA; Riverside, CA
Original Publish Date:	May 21, 2020
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=100375

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