



# National Transportation Safety Board Aviation Accident Final Report

---

<b>Location:</b>	West Jefferson, OH	<b>Accident Number:</b>	GAA20CA081
<b>Date &amp; Time:</b>	11/17/2019, 1200 EST	<b>Registration:</b>	N18416
<b>Aircraft:</b>	Stinson SR9	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Nose over/nose down	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

---

## Analysis

The pilot reported that, during the landing roll, he applied brakes, and the airplane nosed over. The airplane sustained substantial damage to the left wing and empennage. The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation. The pilot added that he should have used "less...brakes."

## Probable Cause and Findings

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

The pilot's use of excessive braking during landing, which resulted in a nose-over.

## Findings

---

<b>Aircraft</b>	Brake - Incorrect use/operation (Cause) Surface speed/braking - Not attained/maintained (Cause)
<b>Personnel issues</b>	Use of equip/system - Pilot (Cause)

## Factual Information

### History of Flight

Landing-landing roll	Nose over/nose down (Defining event)
----------------------	--------------------------------------

### Pilot Information

Certificate:	Private	Age:	65, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last FAA Medical Exam:	06/10/2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	07/17/2019
Flight Time:	(Estimated) 3796.9 hours (Total, all aircraft), 30 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Stinson	Registration:	N18416
Model/Series:	SR9 C	Aircraft Category:	Airplane
Year of Manufacture:	1937	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	5318
Landing Gear Type:	Tailwheel	Seats:	5
Date/Type of Last Inspection:	07/05/2019, Annual	Certified Max Gross Wt.:	3750 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	4749 Hours at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	680E38
Registered Owner:	SKY RANCH ONE LLC	Rated Power:	300 hp
Operator:	SKY RANCH ONE LLC	Operating Certificate(s) Held:	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KTZR, 905 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	1445 UTC	Direction from Accident Site:	114°
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:	30.11 inches Hg	Temperature/Dew Point:	2° C / -4° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Urbana, OH (I74)	Type of Flight Plan Filed:	None
Destination:	West Jefferson, OH (49OH)	Type of Clearance:	None
Departure Time:	1100 EST	Type of Airspace:	Class G

## Airport Information

Airport:	Sky Ranch (49OH)	Runway Surface Type:	
Airport Elevation:	920 ft	Runway Surface Condition:	Dry
Runway Used:	24	IFR Approach:	None
Runway Length/Width:	3000 ft / 100 ft	VFR Approach/Landing:	Full Stop

## 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:	39.935556, -83.236389 (est)

## Administrative Information

Investigator In Charge (IIC):	Eleazar Nepomuceno	Report Date:	05/21/2020
Additional Participating Persons:	Paul Gillenwater; FAA; Columbus, OH		
Publish Date:	05/21/2020		
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=100584">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=100584</a>		

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.

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](#).