



Aviation Investigation Final Report

Location:	FARIBAULT, Minnesota	Accident Number:	GAA19CA243
Date & Time:	May 4, 2019, 14:28 Local	Registration:	N27Q
Aircraft:	HANSON PARAKEET A4 REPLICA	Aircraft Damage:	Substantial
Defining Event:	Hard landing	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the biplane reported that, while on short final, immediately after crossing the end of the runway and while about 10 ft above ground level, he increased the throttle setting to maintain 60 mph. He added that, about 5 to 8 ft above the ground, the airplane "sank rapidly" and landed hard, and the right landing gear collapsed. Subsequently, the airplane veered right, exited the runway, and nosed over.

The biplane sustained substantial damage to the left wing and empennage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the biplane 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 with a left crosswind, which resulted in a hard landing, collapsed landing gear, runway excursion, and nose-over.

Findings

Aircraft	Landing flare - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Environmental issues	Crosswind - Effect on operation

Factual Information

History of Flight

Landing-flare/touchdown	Miscellaneous/other
Landing-flare/touchdown	Hard landing (Defining event)
Landing-flare/touchdown	Landing gear collapse
Landing-flare/touchdown	Loss of control on ground
Landing-flare/touchdown	Runway excursion
Landing-flare/touchdown	Nose over/nose down

Pilot Information

Certificate:	Private	Age:	47,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	BasicMed Without waivers/limitations	Last FAA Medical Exam:	March 14, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	July 11, 2018
Flight Time:	(Estimated) 351 hours (Total, all aircraft), 35 hours (Total, this make and model), 308 hours (Pilot In Command, all aircraft), 1 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	HANSON	Registration:	N27Q
Model/Series:	PARAKEET A4 REPLICA	Aircraft Category:	Airplane
Year of Manufacture:	1978	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	JH100
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	September 4, 2018 Condition	Certified Max Gross Wt.:	901 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	662.6 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	Not installed	Engine Model/Series:	O-200-A
Registered Owner:		Rated Power:	100 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:	KOWA, 1146 ft msl	Distance from Accident Site:	13 Nautical Miles
Observation Time:	19:35 Local	Direction from Accident Site:	170°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Rochester, MN (RST)	Type of Flight Plan Filed:	None
Destination:	Faribault, MN (FBL)	Type of Clearance:	None
Departure Time:	13:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	Faribault Muni-Liz Wall Strohf FBL	Runway Surface Type:	Asphalt
Airport Elevation:	1060 ft msl	Runway Surface Condition:	Dry
Runway Used:	30	IFR Approach:	None
Runway Length/Width:	4257 ft / 75 ft	VFR Approach/Landing:	Full stop;Traffic pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	44.328887,-93.313056(est)

Administrative Information

Investigator In Charge (IIC):	Nepomuceno, Eleazar
Additional Participating Persons:	Ed Martin; FAA; Minneapolis, MN
Original Publish Date:	March 3, 2020
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=99380

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