



Aviation Investigation Final Report

Location:	Marion, Illinois	Accident Number:	CEN20CA333
Date & Time:	August 7, 2020, 13:55 Local	Registration:	N3737R
Aircraft:	Cub Crafters CARBON CUB EX	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during landing in the tailwheel equipped airplane, he performed two go-arounds after each approach for landing due to the wind upsetting his landing or the landing was not going to be smooth. During the third landing attempt, the approach felt more stable and within several seconds of landing touchdown, an aggressive ground loop to the left developed. The right main landing gear collapsed, and the right wing sustained substantial damage. The pilot reported that there were no mechanical anomalies 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 failure to attain/maintain directional control during landing that resulted in a ground-loop and collision with terrain.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Directional control - Not attained/maintained

Factual Information

History of Flight

Landing	Other weather encounter
Landing	Loss of control on ground (Defining event)
Landing	Landing gear collapse

Pilot Information

Certificate:	Private	Age:	67, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	December 11, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 2, 2018
Flight Time:	510 hours (Total, all aircraft), 194 hours (Total, this make and model), 351 hours (Pilot In Command, all aircraft), 17 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Passenger Information

Certificate:		Age:	Female
Airplane Rating(s):		Seat Occupied:	Rear
Other Aircraft Rating(s):		Restraint Used:	
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Cub Crafters	Registration:	N3737R
Model/Series:	CARBON CUB EX	Aircraft Category:	Airplane
Year of Manufacture:	2016	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	CCK-1865-0079
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	July 9, 2020 Condition	Certified Max Gross Wt.:	1865 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	199 Hrs as of last inspection	Engine Manufacturer:	ECl
ELT:		Engine Model/Series:	CC340
Registered Owner:	Pilot	Rated Power:	180 Horsepower
Operator:	Pilot	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	MWA,472 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	14:17 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	120°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.12 inches Hg	Temperature/Dew Point:	27°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Mt Vernon, IL (MVN)	Type of Flight Plan Filed:	None
Destination:	Marion, IL (MWA)	Type of Clearance:	VFR
Departure Time:	13:15 Local	Type of Airspace:	Class D

Airport Information

Airport:	Veterans Airport MWA	Runway Surface Type:	Concrete
Airport Elevation:	472 ft msl	Runway Surface Condition:	Dry
Runway Used:	11	IFR Approach:	None
Runway Length/Width:	4997 ft / 100 ft	VFR Approach/Landing:	Go around;Traffic pattern

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:	37.755001,-89.011108(est)

Administrative Information

Investigator In Charge (IIC):	Gallo, Mitchell
Additional Participating Persons:	Nicholas Loftus; Federal Aviation Administration; Springfield FSDO; Springfield, IL
Original Publish Date:	February 2, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=101778

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