



Aviation Investigation Final Report

Location:	Yakima, Washington	Accident Number:	GAA19CA167
Date & Time:	March 15, 2019, 16:30 Local	Registration:	N767CC
Aircraft:	Cub Crafters CC18	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The pilot receiving instruction in the tailwheel-equipped airplane reported that, during the landing roll of a touch-and-go landing, he added slight right correction followed by left correction. The airplane veered left, and the pilot added full right rudder, but the airplane ground looped to the left. The right main landing gear collapsed, and the right wing struck the ground.

The airplane sustained substantial damage to the right wing.

The flight instructor reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The airport's automated weather observation station reported that, about 23 minutes after the accident, the wind was from 170° at 6 knots. The pilot landed the airplane on runway 27.

Probable Cause and Findings

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

The pilot's failure to maintain directional control during landing, which resulted in a ground loop, and the flight instructor's delayed remedial action.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Delayed action - Instructor/check pilot
Personnel issues	Use of equip/system - Student/instructed pilot
Environmental issues	Crosswind - Effect on operation

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
Landing	Attempted remediation/recovery
Landing	Landing gear collapse
Landing	Collision with terr/obj (non-CFIT)

Flight instructor Information

Certificate:	Commercial; Flight instructor; Private	Age:	44,Male
Airplane Rating(s):	Single-engine land; Single-engine sea; Multi-engine land; Multi-engine sea	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane single-engine	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	April 16, 2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	April 13, 2017
Flight Time:	(Estimated) 599.7 hours (Total, all aircraft), 599.7 hours (Pilot In Command, all aircraft)		

Pilot Information

Certificate:	Private	Age:	60,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:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	January 30, 2019
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 12, 2018
Flight Time:	(Estimated) 151 hours (Total, all aircraft), 6 hours (Total, this make and model), 95 hours (Pilot In Command, all aircraft), 6 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cub Crafters	Registration:	N767CC
Model/Series:	CC18 180	Aircraft Category:	Airplane
Year of Manufacture:	2010	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	CC18-0046
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	March 12, 2019 Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	860 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C126 installed, not activated	Engine Model/Series:	O-360-C4P
Registered Owner:		Rated Power:	180 Horsepower
Operator:		Operating Certificate(s) Held:	Pilot school (141)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KYKM, 1066 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	23:53 Local	Direction from Accident Site:	285°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	170°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.36 inches Hg	Temperature/Dew Point:	6°C / -2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Yakima, WA (YKM)	Type of Flight Plan Filed:	None
Destination:	Yakima, WA (YKM)	Type of Clearance:	VFR
Departure Time:	16:30 Local	Type of Airspace:	Class D

Airport Information

Airport:	YAKIMA AIR TERMINAL/MCALLISTER YKM	Runway Surface Type:	Asphalt
Airport Elevation:	1098 ft msl	Runway Surface Condition:	Dry
Runway Used:	27	IFR Approach:	None
Runway Length/Width:	7604 ft / 150 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	46.566944,-120.537223(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	Doug Belcher; FAA; Spokane, WA
Original Publish Date:	November 6, 2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=99123

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