



Aviation Investigation Final Report

Location:	Marysville, Ohio	Accident Number:	GAA19CA156
Date & Time:	March 7, 2019, 10:00 Local	Registration:	N102XP
Aircraft:	James A Gray Just Aircraft	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The student pilot of the tailwheel-equipped airplane reported that, while practicing takeoff and landings, the airplane landed hard with "a big bounce," and the right wing came up. He attempted to correct by adding power and initiating a go-around. Subsequently, the airplane ground looped, exited the runway, and came to rest inverted.

The airplane sustained substantial damage to the right wing.

The pilot reported that there were no preimpact mechanical failures or malfunctions with the airplane that would have precluded normal operation.

The airport's automated weather reporting station reported that, about 15 minutes after the accident, the wind was from 300° at 5 knots and that visibility was 10 statute miles. The pilot landed the airplane on runway 26.

Probable Cause and Findings

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

The student pilot's improper landing flare, which resulted in a hard, bounced landing, and his subsequent failure to maintain directional control, which resulted in a runway excursion and ground loop.

Findings

Aircraft	Directional control - Not attained/maintained
Aircraft	Descent/approach/glide path - Not attained/maintained
Personnel issues	Use of equip/system - Student/instructed pilot

Factual Information

History of Flight

Landing-flare/touchdown	Hard landing
Landing-flare/touchdown	Loss of control on ground (Defining event)
Landing-flare/touchdown	Attempted remediation/recovery
Landing-flare/touchdown	Runway excursion
Landing-flare/touchdown	Roll over

Student pilot Information

Certificate:	Student	Age:	62,Male
Airplane Rating(s):	None	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:	None	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 163 hours (Total, all aircraft), 101 hours (Total, this make and model), 36 hours (Pilot In Command, all aircraft), 23 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	James A Gray	Registration:	N102XP
Model/Series:	Just Aircraft Highlander	Aircraft Category:	Airplane
Year of Manufacture:	2013	Amateur Built:	Yes
Airworthiness Certificate:	Special light-sport (Special)	Serial Number:	JA204-04-10
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	August 15, 2018 Condition	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	90 Hrs as of last inspection	Engine Manufacturer:	Jabiru
ELT:	C126 installed, activated, aided in locating accident	Engine Model/Series:	3300
Registered Owner:		Rated Power:	120 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:	KMRT, 1021 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	15:15 Local	Direction from Accident Site:	335°
Lowest Cloud Condition:	Scattered / 2900 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.35 inches Hg	Temperature/Dew Point:	-3°C / -9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Marysville, OH (MRT)	Type of Flight Plan Filed:	None
Destination:	Marysville, OH (MRT)	Type of Clearance:	None
Departure Time:	08:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	Union County MRT	Runway Surface Type:	Grass/turf
Airport Elevation:	1020 ft msl	Runway Surface Condition:	Unknown
Runway Used:	26	IFR Approach:	None
Runway Length/Width:	2702 ft / 81 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:	40.224445,-83.351669(est)

Administrative Information

Investigator In Charge (IIC):	Gutierrez, Eric
Additional Participating Persons:	Steve Ronshausen; FAA; Columbus, OH
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=99071

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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](#).