



Aviation Investigation Final Report

Location:	Stow, Ohio	Accident Number:	GAA17CA335
Date & Time:	June 12, 2017, 11:30 Local	Registration:	N95821
Aircraft:	Cessna 152	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 reported that, during the landing roll of a solo flight, the airplane landed to the left of the runway centerline. He added that he applied right rudder but overcorrected and that the airplane veered to the right. The student pilot reported that he "panicked" and his leg "got stuck on the right rudder." The airplane veered off the runway to the right and impacted a ditch.

The airplane sustained substantial damage to the firewall.

The student pilot reported that there were no preaccident mechanical failures or malfunctions 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 student pilot's rudder overcorrection during the landing roll, which resulted in a loss of directional control.

Findings

Aircraft	Directional control - Not attained/maintained
Aircraft	Rudder control system - Incorrect use/operation
Personnel issues	Aircraft control - Student/instructed pilot
Aircraft	Rudder control system - Unintentional use/operation
Environmental issues	(general) - Contributed to outcome

Factual Information

History of Flight

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

Student pilot Information

Certificate:	Student	Age:	20,Male
Airplane Rating(s):	None	Seat Occupied:	Left
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 1 With waivers/limitations	Last FAA Medical Exam:	December 6, 2016
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 21.5 hours (Total, all aircraft), 21.5 hours (Total, this make and model), 0.4 hours (Pilot In Command, all aircraft), 13.6 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N95821
Model/Series:	152 NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	1985	Amateur Built:	
Airworthiness Certificate:	Utility	Serial Number:	15285970
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	May 8, 2017 Annual	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	9740.8 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	C91 installed, not activated	Engine Model/Series:	O-235-N2C
Registered Owner:		Rated Power:	108 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:	KAKR, 1101 ft msl	Distance from Accident Site:	7 Nautical Miles
Observation Time:	15:54 Local	Direction from Accident Site:	198°
Lowest Cloud Condition:	Scattered / 5000 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	240°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.1 inches Hg	Temperature/Dew Point:	29°C / 17°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Stow, OH (1G3)	Type of Flight Plan Filed:	None
Destination:	Stow, OH (1G3)	Type of Clearance:	None
Departure Time:	11:10 Local	Type of Airspace:	Class G

Airport Information

Airport:	KENT STATE UNIV 1G3	Runway Surface Type:	Asphalt
Airport Elevation:	1134 ft msl	Runway Surface Condition:	Dry
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	4000 ft / 60 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:	41.150001,-81.415275(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	Vince Yerace; FAA; Cleveland, OH
Original Publish Date:	August 3, 2017
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=95357

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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](#).