



AVIATION



HIGHWAY



MARINE



RAILROAD



PIPELINE

Aviation Investigation Final Report

Location:	Albermarle, North Carolina	Accident Number:	GAA19CA017
Date & Time:	October 4, 2018, 13:00 Local	Registration:	N52881
Aircraft:	Cessna 177RG	Aircraft Damage:	Substantial
Defining Event:	Landing gear not configured	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot in the retractable-landing gear-equipped airplane reported that he "decided to attempt a gear up glide" to the runway. He recalled that he became fixated on reaching the runway and forgot to extend the landing gear. The airplane touched down and skidded to a stop on the runway.

The airplane sustained substantial damage to the lower fuselage bulkheads.

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

The pilot recommended adhering to checklists.

Probable Cause and Findings

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

The pilot's improper decision to attempt a gear-up glide to the runway and his subsequent failure to extend the landing gear before landing. Contributing to the accident was the pilot's failure to use a checklist before landing.

Findings

Personnel issues	Forgotten action/omission - Pilot
Aircraft	Gear extension and retract sys - Not used/operated
Personnel issues	Use of checklist - Pilot

Factual Information

History of Flight

Landing-flare/touchdown	Landing gear not configured (Defining event)
Landing-flare/touchdown	Abnormal runway contact

Pilot Information

Certificate:	Private	Age:	46,Male
Airplane Rating(s):	Single-engine land	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 3 Without waivers/limitations	Last FAA Medical Exam:	March 27, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 15, 2017
Flight Time:	(Estimated) 493 hours (Total, all aircraft), 419 hours (Total, this make and model), 372 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N52881
Model/Series:	177RG No Series	Aircraft Category:	Airplane
Year of Manufacture:	1977	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	177RG1298
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	October 12, 2017 Annual	Certified Max Gross Wt.:	2800 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	5988.8 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	C126 installed, not activated	Engine Model/Series:	IO-360-A1B6D
Registered Owner:		Rated Power:	200 Horsepower
Operator:		Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KVUJ,609 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	17:00 Local	Direction from Accident Site:	338°
Lowest Cloud Condition:		Visibility	10 miles
Lowest Ceiling:	Broken / 4100 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	340°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.14 inches Hg	Temperature/Dew Point:	29°C / 20°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Carthage, NC (BQ1)	Type of Flight Plan Filed:	None
Destination:	Gold Hill, NC (NC25)	Type of Clearance:	VFR
Departure Time:	01:30 Local	Type of Airspace:	Class D

Airport Information

Airport:	Stanly County VUJ	Runway Surface Type:	Asphalt
Airport Elevation:	608 ft msl	Runway Surface Condition:	Dry
Runway Used:	22L	IFR Approach:	None
Runway Length/Width:	5500 ft / 100 ft	VFR Approach/Landing:	Touch and go;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:	35.416667,-80.150833(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Michael
Additional Participating Persons:	Derek Jackson ; FAA; Charlotte, NC
Original Publish Date:	September 26, 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=98463

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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](#).