



AVIATION



HIGHWAY



MARINE



RAILROAD



PIPELINE

Aviation Investigation Final Report

Location:	Newnan, Georgia	Accident Number:	ATL03LA097
Date & Time:	May 28, 2003, 17:55 Local	Registration:	N6512K
Aircraft:	Cessna 172P	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

According to the student pilot, during the second touch-and-go landing on runway 32, the airplane veered off the runway into the grass and subsequently collapsed the right main landing gear. The airplane came to rest on the left side of the runway. Examination of the airplane revealed the right main gear was bent aft, and the right horizontal stabilizer was curled upwards. No mechanical or flight control problems were reported by the student pilot prior to the accident.

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 the landing roll that resulted in the collapse of the right main landing gear.

Findings

Occurrence #1: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
2. GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND
3. TERRAIN CONDITION - GROUND

Occurrence #2: GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Factual Information

On May 28, 2003, at 1755 eastern daylight time, a Cessna 172P, N6512K, registered to and operated by the FAA Employee Flying Club, collided with the runway during a landing at Dresden Airport, Newnan, Georgia. The instructional flight was operated under the provisions of Title 14 CFR Part 91 and visual flight rules. Visual meteorological conditions prevailed at the time of the accident. The airplane sustained substantial damage, and the student pilot was not injured. The flight departed Dresden Airport, Newnan, Georgia, on May 28, 2003, at 1700.

According to the student pilot, during the second touch and go landing on runway 32, the airplane bounced. As the student attempted to adjust the flare for the second touchdown, he encounter a wind gust from 090 degree. The airplane veered off the left side of the runway into the grass. The student pilot further stated that the airplane rolled about 100 feet crossing a taxiway, striking a sign before the right main landing gear buckled and the airplane came to a stop after rotating 90 degrees.

Examination of the airplane revealed the right main gear was bent aft, and the right horizontal stabilizer was curled upwards. No mechanical or flight control problems were reported by the student pilot prior to the accident.

Student pilot Information

Certificate:	Student	Age:	41,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 None	Last FAA Medical Exam:	October 2, 2002
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	30 hours (Total, all aircraft), 30 hours (Total, this make and model), 8 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N6512K
Model/Series:	172P	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	17274206
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	April 25, 2003 Annual	Certified Max Gross Wt.:	2400 lbs
Time Since Last Inspection:	30 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	4212 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	O-320-D2J
Registered Owner:	On file	Rated Power:	160 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:	ATL, 1026 ft msl	Distance from Accident Site:	26 Nautical Miles
Observation Time:	17:53 Local	Direction from Accident Site:	45°
Lowest Cloud Condition:	Scattered / 6500 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots / 16 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	280°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.96 inches Hg	Temperature/Dew Point:	24°C / 10°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	NEWNAN, GA (CCO)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	17:00 Local	Type of Airspace:	Class E

Airport Information

Airport:	NEWNAN COWETA COUNTY CCO	Runway Surface Type:	Asphalt
Airport Elevation:	970 ft msl	Runway Surface Condition:	Dry
Runway Used:	32	IFR Approach:	None
Runway Length/Width:	5000 ft / 100 ft	VFR Approach/Landing:	Full stop

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:	33.340278,-84.901107

Administrative Information

Investigator In Charge (IIC):	Alleyne, Eric
Additional Participating Persons:	Donald Severs; Atlanta FSDO; College, GA
Original Publish Date:	June 28, 2006
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=57091

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