



Aviation Investigation Final Report

Location:	San Luis Obispo, California	Accident Number:	WPR13CA413
Date & Time:	September 15, 2013, 19:51 Local	Registration:	N712SB
Aircraft:	Cessna T310R	Aircraft Damage:	Substantial
Defining Event:	Landing gear collapse	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during the landing roll of his second uneventful landing, the right main landing gear started to shimmy. He slowed the airplane and proceeded towards the nearest taxiway. Before exiting the runway, the pilot went to retract the flaps when he inadvertently raised the landing gear handle. He quickly re-lowered the landing gear handle; however, the right main landing gear had already started to retract. The airplane veered to the right, exited the runway surface, and came to rest on the grass. The airplane's right wing was substantially damaged. The pilot reported no preimpact mechanical failures or malfunctions with the airframe or engine 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 pilot's inadvertent action of retracting the landing gear instead of the flaps during the landing roll, which resulted in the right main landing gear collapsing.

Findings

Aircraft	Gear extension and retract sys - Unintentional use/operation
Personnel issues	Task monitoring/vigilance - Pilot

Factual Information

History of Flight

Landing-landing roll	Landing gear collapse (Defining event)
Landing-landing roll	Runway excursion

Pilot Information

Certificate:	Commercial	Age:	59
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	August 30, 2013
Occupational Pilot:	No	Last Flight Review or Equivalent:	August 24, 2013
Flight Time:	(Estimated) 2495 hours (Total, all aircraft), 760 hours (Total, this make and model), 2389 hours (Pilot In Command, all aircraft), 7 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N712SB
Model/Series:	T310R	Aircraft Category:	Airplane
Year of Manufacture:	1975	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	310R0122
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	October 1, 2012 Annual	Certified Max Gross Wt.:	5680 lbs
Time Since Last Inspection:	38 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	4795 Hrs at time of accident	Engine Manufacturer:	Continental
ELT:	Installed, not activated	Engine Model/Series:	TSIO-520 SERI
Registered Owner:	SINGER NATHAN	Rated Power:	300 Horsepower
Operator:	SINGER NATHAN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	SBP,212 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	19:56 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots / 16 knots	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.72 inches Hg	Temperature/Dew Point:	15°C / 12°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	San Luis Obispo, CA (SBP)	Type of Flight Plan Filed:	None
Destination:	San Luis Obispo, CA (SBP)	Type of Clearance:	None
Departure Time:	19:30 Local	Type of Airspace:	Class D

Airport Information

Airport:	SAN LUIS COUNTY RGNL SBP	Runway Surface Type:	Asphalt
Airport Elevation:	212 ft msl	Runway Surface Condition:	Dry
Runway Used:	29	IFR Approach:	None
Runway Length/Width:	6100 ft / 50 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	Unknown
Ground Injuries:	N/A	Aircraft Explosion:	Unknown
Total Injuries:	1 None	Latitude, Longitude:	35.235553,-120.638885(est)

Administrative Information

Investigator In Charge (IIC):	Link, Samantha
Additional Participating Persons:	Gregory J Minarik; Federal Aviation Administration; San Jose, CA
Original Publish Date:	February 4, 2014
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=88067

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