



National Transportation Safety Board Aviation Accident Final Report

Location:	Durango, CO	Accident Number:	CEN13CA083
Date & Time:	12/02/2012, 1200 MST	Registration:	N562BG
Aircraft:	MOONEY AIRPLANE CO INC M20TN	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane bounced twice during landing. The pilot said that after the second bounce, he added full throttle for a go-around and that the airplane began to drift to the left side of the runway centerline. Just as the airplane began to climb, the pilot retracted the landing gear and flaps, and the nose of the airplane immediately pitched up. The right wingtip struck the runway surface, and the airplane veered sharply to the right and impacted terrain on the right side of the runway. The impact resulted in the collapse of the landing gear and substantial damage to the engine mount, firewall, fuselage, and horizontal stabilizer. The pilot reported that there was no mechanical malfunction or failure and that he just failed to maintain control of the airplane during the landing.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper recovery from a bounced landing, and his failure to maintain airplane control during the go-around maneuver.

Findings

Aircraft

Personnel issues	Aircraft control - Pilot (Cause)
------------------	----------------------------------

Factual Information

History of Flight

Approach-VFR go-around	Loss of control in flight (Defining event)
Other	Dragged wing/rotor/float/other Collision with terr/obj (non-CFIT) Runway excursion
Post-impact	Landing gear collapse

Pilot Information

Certificate:	Commercial	Age:	66, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	06/30/2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	11/24/2012
Flight Time:	(Estimated) 1498 hours (Total, all aircraft), 108 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	MOONEY AIRPLANE CO INC	Registration:	N562BG
Model/Series:	M20TN	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	31-0031
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	07/01/2012, Annual	Certified Max Gross Wt.:	3200 lbs
Time Since Last Inspection:	72 Hours	Engines:	1 Reciprocating
Airframe Total Time:	214 Hours	Engine Manufacturer:	CONT MOTOR
ELT:	C126 installed, not activated	Engine Model/Series:	TSIO-550-G
Registered Owner:	FLIGHT CAPITAL LLC	Rated Power:	280 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KDRO, 6685 ft msl	Observation Time:	1153 MST
Distance from Accident Site:	7 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	120°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	11°C / -4°C
Lowest Ceiling:	None	Visibility	
Wind Speed/Gusts, Direction:	8 knots, 140°	Visibility (RVR):	
Altimeter Setting:	30.16 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Durango, CO (00C)	Type of Flight Plan Filed:	None
Destination:	Durango, CO (00C)	Type of Clearance:	None
Departure Time:	1000 MST	Type of Airspace:	

Airport Information

Airport:	Animas Air Park (00C)	Runway Surface Type:	Asphalt
Airport Elevation:	6684 ft	Runway Surface Condition:	Dry
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	5010 ft / 50 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	Thomas Latson	Adopted Date:	04/10/2013
Additional Participating Persons:	Vahl F Buchanan; FAA Salt Lake City FSDO; Salt Lake City, UT		
Publish Date:	04/10/2013		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=85714		

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.