



Aviation Investigation Final Report

Location:	LANTANA, Florida	Accident Number:	MIA88FA248
Date & Time:	August 7, 1988, 12:43 Local	Registration:	N4103N
Aircraft:	MOONEY M20G	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Serious, 2 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

PLT ATTEMPTED TO LAND WITH A LEFT QUARTERING TAIL WIND. THE AIRCRAFT LANDED HARD AND BOUNCED SEVERAL TIMES. THE PLT INITIATED A GO-AROUND AND DURING CLIMBOUT FROM THE GO-AROUND THE PILOT INITIATED A STEEP LEFT TURN WITH 30 TO 40 DEGREES OF BANK AND WITH A NOSE HIGH ATTITUDE. THE PASSENGER STATED THE STALL WARNING HORN SOUNDED UPON INITIATION OF THE LEFT TURN AND THE AIRCRAFT IMMEDIATELY BEGAN TO DESCEND. THE PLT MANAGED TO LEVEL THE WINGS TO A SLIGHT LEFT WING LOW BANK JUST PRIOR TO THE AIRCRAFT TOUCHING DOWN GEAR UP ON A PERPENDICULAR RUNWAY.

Probable Cause and Findings

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

Findings

Occurrence #1: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (F) WEATHER CONDITION - TAILWIND
2. (C) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
3. (C) WRONG RUNWAY - SELECTED - PILOT IN COMMAND
4. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND

5. GO-AROUND - PERFORMED - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

6. (C) AIRSPEED(VS) - NOT MAINTAINED - PILOT IN COMMAND

7. (C) STALL/MUSH - NOT CORRECTED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

8. TERRAIN CONDITION - RUNWAY

Factual Information

Pilot Information

Certificate:	Private	Age:	47, Male
Airplane Rating(s):	Single-engine land	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 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	April 20, 1987
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	173 hours (Total, all aircraft), 87 hours (Total, this make and model), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	MOONEY	Registration:	N4103N
Model/Series:	M20G M20G	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	680074
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	December 15, 1987 Annual	Certified Max Gross Wt.:	2525 lbs
Time Since Last Inspection:	94 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2021 Hrs	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-360-A1D
Registered Owner:	JOSEPH A. DIMAMBRO	Rated Power:	180 Horsepower
Operator:		Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PBI ,19 ft msl	Distance from Accident Site:	5 Nautical Miles
Observation Time:	12:50 Local	Direction from Accident Site:	360°
Lowest Cloud Condition:	Unknown	Visibility	7 miles
Lowest Ceiling:	Broken / 2600 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	9 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	210°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	27°C / 24°C
Precipitation and Obscuration:	Light - None - Rain		
Departure Point:	KEY WEST , FL (EYW)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	11:10 Local	Type of Airspace:	Class G

Airport Information

Airport:	PALM BEACH COUNTY PARK LNA	Runway Surface Type:	Asphalt
Airport Elevation:	16 ft msl	Runway Surface Condition:	Dry
Runway Used:	9	IFR Approach:	None
Runway Length/Width:	3489 ft / 75 ft	VFR Approach/Landing:	Go around

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Serious, 2 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Serious, 2 Minor	Latitude, Longitude:	26.57994,-80.069107(est)

Administrative Information

Investigator In Charge (IIC):	Kennedy, Jeffrey
Additional Participating Persons:	WILLIE L WEAVER; FORT LAUDERDALE, FL
Original Publish Date:	September 25, 1989
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=32035

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