



National Transportation Safety Board Aviation Accident Final Report

Location:	Lantana, FL	Accident Number:	MIA07CA090
Date & Time:	05/02/2007, 1150 EST	Registration:	N7273M
Aircraft:	Cessna 172R	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

The student pilot stated that four full stop landings with the instructor were conducted before the solo endorsement was issued. After the first solo flight in the pattern, a go around was executed to give way for landing traffic. The second solo flight around the pattern went very well; final approach and landing went smoothly, and on target. During the landing roll, he applied brake pressure in addition to pulling back completely on the control yoke to induce aerodynamic braking with the elevator. As braking was applied, the airplane began to veer to the right. Full braking was applied; however, the airplane continued the right turn on to the grass. Attempts were made to avoid the electrical equipment boxes located in the grass. The airplane missed the far left two but came in contact with the far right box with the airplane's left main landing gear causing complete collapse. The aircraft came to rest in the field on its left wing. He secured the airplane and immediately exited. The student pilot stated there were no mechanical failures or malfunctions to the airplane or any of its systems prior to the accident.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The student pilot's failure to maintain directional control of the airplane during landing roll.

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Findings

2. OBJECT - AIRPORT FACILITY

Factual Information

Pilot Information

Certificate:	Student	Age:	45, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	04/01/2007
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	31 hours (Total, all aircraft), 26 hours (Total, this make and model), 31 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Cessna	Registration:	N7273M
Model/Series:	172R	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	17280761
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	04/01/2007, Annual	Certified Max Gross Wt.:	2300 lbs
Time Since Last Inspection:	34 Hours	Engines:	1 Reciprocating
Airframe Total Time:	4300 Hours	Engine Manufacturer:	Lycoming
ELT:	Installed, not activated	Engine Model/Series:	IO-360-L2A
Registered Owner:	Palm Beach Fight Training	Rated Power:	160 hp
Operator:	Palm Beach Fight Training	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KPBI, 19 ft msl	Observation Time:	1153 EDT
Distance from Accident Site:	5 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	354°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 3700 ft agl	Temperature/Dew Point:	26° C / 20° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	5 knots, 170°	Visibility (RVR):	
Altimeter Setting:	30.04 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Lantana, FL (LNA)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1130 EST	Type of Airspace:	

Airport Information

Airport:	PALM BEACH COUNTY PARK (LNA)	Runway Surface Type:	Asphalt
Airport Elevation:	14 ft	Runway Surface Condition:	Dry
Runway Used:	03	IFR Approach:	None
Runway Length/Width:	3256 ft / 75 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):	Jose Obregon	Adopted Date:	08/30/2007
Additional Participating Persons:	Bill Hanson; FAA Fort Lauderdale FSDO; Fort Lauderdale, FL		
Publish Date:			
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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