



Aviation Investigation Final Report

Location:	Miami, Florida	Accident Number:	ERA10CA165
Date & Time:	March 5, 2010, 20:48 Local	Registration:	N34VF
Aircraft:	Cessna P210N	Aircraft Damage:	Substantial
Defining Event:	Collision with terr/obj (non-CFIT)	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation		

Analysis

After landing, the pilot taxied toward a fixed based operator facility during night visual meteorological conditions. As he entered a general aviation parking ramp, the right main landing gear struck an unlit and unmarked helicopter dolly. The right landing gear collapsed, the right wing deformed during the contact with pavement, and a fuel leak resulted. The pilot reported that he did not see the dolly prior to the collision, and that there were no mechanical malfunctions or failures of the airplane. The pilot and the Federal Aviation Administration inspector who responded to the accident reported that the helicopter dolly was unlit and unmarked.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to see and avoid an unlit and unmarked helicopter dolly while taxiing at night.

Findings

Personnel issues	Monitoring environment - Pilot
Environmental issues	Ground support/equipment - Contributed to outcome

Factual Information

History of Flight

Taxi	Collision with terr/obj (non-CFIT) (Defining event)
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Pilot Information

Certificate:	Commercial	Age:	71, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
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:	April 27, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	June 7, 2008
Flight Time:	4850 hours (Total, all aircraft), 3850 hours (Total, this make and model), 4850 hours (Pilot In Command, all aircraft), 39 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N34VF
Model/Series:	P210N	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	P21000307
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	April 13, 2009 Annual	Certified Max Gross Wt.:	3900 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	3836 Hrs at time of accident	Engine Manufacturer:	Teledyne Continental Motors
ELT:	Installed, not activated	Engine Model/Series:	TSIO-520-P
Registered Owner:	On file	Rated Power:	325 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Night
Observation Facility, Elevation:	TMB,8 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	20:53 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.1 inches Hg	Temperature/Dew Point:	12°C / 2°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Gaithersburg, MD (GAI)	Type of Flight Plan Filed:	IFR
Destination:	Miami, FL (TMB)	Type of Clearance:	IFR
Departure Time:	14:30 Local	Type of Airspace:	

Airport Information

Airport:	Kendall-Tamiami Executive Airp TMB	Runway Surface Type:	Asphalt
Airport Elevation:	8 ft msl	Runway Surface Condition:	Dry;Holes
Runway Used:	09R	IFR Approach:	None
Runway Length/Width:	5002 ft / 150 ft	VFR Approach/Landing:	None

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:	25.647777,-80.432777(est)

Administrative Information

Investigator In Charge (IIC): Obregon, Jose

Additional Participating Persons: Armando Lopez; FAA/FSDO; Miramar, FL

Original Publish Date: July 1, 2010

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.nts.gov/Docket?ProjectID=75448>

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