



National Transportation Safety Board Aviation Accident Final Report

Location:	Greensboro, NC	Accident Number:	ERA10CA156
Date & Time:	03/01/2010, 0730 EST	Registration:	N29JS
Aircraft:	PIAGGIO P180	Aircraft Damage:	Substantial
Defining Event:	Landing gear not configured	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

The pilot stated that after takeoff, he experienced a primary trim failure and continued to the destination using secondary trim. The pilot stated that during final approach his airspeed was too high to lower the landing gear. The pilot "continued working the trim," and was looking for any traffic in the pattern. In the landing flare, he heard "an unusual noise like something scraping," performed a go-around, and realized he had not extended the landing gear. The pilot then extended the gear and landed without incident. Inspection of the airplane revealed substantial damage to the airplane's fuselage.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to properly configure the landing gear for landing. Contributing to the accident was the pilot's diverted attention looking for traffic and manipulating the secondary trim controls.

Findings

Aircraft	Gear extension and retract sys - Not used/operated (Cause)
Personnel issues	Forgotten action/omission - Pilot (Cause) Attention - Pilot (Factor)

Factual Information

History of Flight

Landing	Landing gear not configured (Defining event)
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Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	61, Male
Airplane Rating(s):	Multi-engine Land; 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):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 1 With Waivers/Limitations	Last Medical Exam:	08/25/2009
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	02/16/2010
Flight Time:	10000 hours (Total, all aircraft), 1162 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	PIAGGIO	Registration:	N29JS
Model/Series:	P180	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	1046
Landing Gear Type:	Retractable - Tricycle	Seats:	11
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	2 Turbo Prop
Airframe Total Time:		Engine Manufacturer:	P&W CANADA
ELT:	Installed, not activated	Engine Model/Series:	PT6A-6 SERIES
Registered Owner:	PELHAM AIR LLC	Rated Power:	550 hp
Operator:	Franklin Mew	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	GSO, 926 ft msl	Observation Time:	0754 EDT
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	-2 °C / -4 °C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	6 knots, 270°	Visibility (RVR):	
Altimeter Setting:	30.01 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Greenville, SC (GMU)	Type of Flight Plan Filed:	None
Destination:	Greensboro, NC (GSO)	Type of Clearance:	None
Departure Time:	0705 EDT	Type of Airspace:	

Airport Information

Airport:	Piedmont Triad International (GSO)	Runway Surface Type:	Asphalt
Airport Elevation:	926 ft	Runway Surface Condition:	Dry
Runway Used:	23L	IFR Approach:	None
Runway Length/Width:	10001 ft / 150 ft	VFR Approach/Landing:	Go Around

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):	Jill M Andrews	Adopted Date:	07/22/2010
Additional Participating Persons:	Wayne M Vohs; FAA/FSDO; Greensboro, NC		
Publish Date:	07/22/2010		
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=75428		

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.

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