



Aviation Investigation Final Report

Location:	Tampa, Florida	Accident Number:	ERA10CA445
Date & Time:	August 26, 2010, 08:30 Local	Registration:	N1321C
Aircraft:	COLUMBIA AIRCRAFT MFG LC42-550FG	Aircraft Damage:	Substantial
Defining Event:	Ground collision	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

According to the pilot, he proceeded through the pre-engine start checklist and set the parking brake. After several failed attempts to start the engine, he increased the power lever setting before another start attempt. The engine subsequently started and the airplane abruptly lurched forward toward another airplane parked 150 feet directly ahead. The pilot immediately applied right rudder, which turned his airplane to the right; however, the right wing struck the parked airplane, resulting in substantial damage. The pilot exited the airplane uneventfully after it skidded to a stop. A witness reported hearing the airplane's engine start and described that it sounded as if the airplane was ready to take off. A photograph revealed tire skid marks leading to and beyond the parked airplane.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to reduce engine power following a high-powered engine start.

Findings

Aircraft	Braking capability - Capability exceeded
Personnel issues	Incorrect action selection - Pilot

Factual Information

History of Flight

Standing-engine(s) start-up	Loss of control on ground
Standing-engine(s) start-up	Ground collision (Defining event)

Pilot Information

Certificate:	Private	Age:	43, 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 3 None	Last FAA Medical Exam:	September 26, 2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	483 hours (Total, all aircraft), 58 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	COLUMBIA AIRCRAFT MFG	Registration:	N1321C
Model/Series:	LC42-550FG	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Utility	Serial Number:	42517
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	January 28, 2010 Annual	Certified Max Gross Wt.:	3400 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	119 Hrs as of last inspection	Engine Manufacturer:	Teledyne Continental Motors
ELT:	Installed, not activated	Engine Model/Series:	IO-550-N
Registered Owner:	On file	Rated Power:	310 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	VDF,22 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	08:37 Local	Direction from Accident Site:	360°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	120°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	26°C / 24°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Tampa, FL (VDF)	Type of Flight Plan Filed:	None
Destination:	Tampa, FL (VDF)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Tampa Executive Airport VDF	Runway Surface Type:	
Airport Elevation:	22 ft msl	Runway Surface Condition:	
Runway Used:		IFR Approach:	None
Runway Length/Width:		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:	28.013889,-82.345275(est)

Administrative Information

Investigator In Charge (IIC):	Diaz, Dennis
Additional Participating Persons:	Linda Nevin; FAA/FSDO; Tampa, FL
Original Publish Date:	May 11, 2011
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=77098

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