



National Transportation Safety Board Aviation Accident Final Report

Location:	Mt. Orab, OH	Accident Number:	CEN16LA313
Date & Time:	08/04/2016, 0745 EDT	Registration:	N9095U
Aircraft:	LIMING LOUIS L HPL 1 HIGH WING PARA	Aircraft Damage:	Substantial
Defining Event:	Loss of engine power (partial)	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The private pilot was conducting a local personal flight. About 15 minutes into the flight, the engine power suddenly decreased to idle, and the pilot conducted a forced landing to a field. The airplane impacted a small stand of trees before coming to rest, resulting in substantial damage to the left wing and right wing strut. Examination of the engine revealed that the engine-to-carburetor throttle cable was disconnected. No impact damage was found in the area of the throttle cable disconnect. It is likely that the fastener that connected the throttle cable to the carburetor loosened and fell out during the flight, causing the engine to go to the idle power setting. The fastener was not found, and maintenance logbooks or records were not recovered.

Probable Cause and Findings

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

A partial loss of engine power due to a missing throttle cable fastener.

Findings

Aircraft	Fasteners - Not specified (Cause) Engine (reciprocating) - Not specified (Cause)
Environmental issues	Rough terrain - Contributed to outcome (Factor)

Factual Information

On August 5, 2016, about 0745 eastern daylight time, an Liming Louis L HPL-1 experimental airplane, N9095U, registered to the pilot/owner, sustained substantial damage during a forced landing after a partial loss of engine power near Mt. Orab, Ohio. The private pilot, who was the sole occupant, was not injured. The personal local flight was being conducted under the provisions of Federal Code of Regulations Part 91. Visual meteorological conditions prevailed throughout the area and a flight plan was not filed. The flight originated at 0730 from the Brown County Airport (GEO), Georgetown, Ohio.

After takeoff from GEO, the pilot flew to the north for about 9 miles and began circling a private residence at 1,500 feet AGL. Suddenly, the engine power went to idle. The pilot checked to make sure that he had not bumped the idle control with his left knee and attempted to increase the engine RPM. The engine RPM did not increase and the pilot chose a grassy field to land, while the engine remained at idle. Upon initial touchdown in the rough vegetated field, the airplane's speed was relatively high. The airplane became airborne and the left wing struck a small stand of trees. The airplane then spun around about 360 degrees and struck the ground before coming to a stop. Substantial damage was incurred to the left wing and right wing strut. The pilot exited without injury.

Inspection of the airplane revealed that the engine throttle cable had become disconnected from the carburetor during the flight, which is consistent with the pilot report of the engine going to idle power. There was no impact damage found in the area near the disconnected throttle cable.

No maintenance logbooks or records were recovered.

History of Flight

Maneuvering	Loss of engine power (partial) (Defining event)
Landing	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	42, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last FAA Medical Exam:	10/01/2014
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 220 hours (Total, all aircraft), 60 hours (Total, this make and model), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	LIMING LOUIS L	Registration:	N9095U
Model/Series:	HPL 1 HIGH WING PARA NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2001	Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	HPL-1
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	05/01/2016, Continuous Airworthiness	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	400 Hours	Engine Manufacturer:	Continental
ELT:	Not installed	Engine Model/Series:	A-65
Registered Owner:	On file	Rated Power:	65 hp
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:	0730	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.92 inches Hg	Temperature/Dew Point:	35 °C / 30 °C
Precipitation and Obscuration:			
Departure Point:	Georgetown, OH (GEO)	Type of Flight Plan Filed:	None
Destination:	Georgetown, OH (GEO)	Type of Clearance:	None
Departure Time:	0730 EST	Type of Airspace:	Class E

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	Latitude, Longitude:	39.058056, -83.910833 (est)

Administrative Information

Investigator In Charge (IIC):	Alexander Lemishko	Report Date:	11/05/2018
Additional Participating Persons:	Richard Jara; FAA FSDO; Cincinnati, OH		
Publish Date:	11/28/2018		
Note:	The NTSB did not travel to the scene of this accident.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=93794		

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