



National Transportation Safety Board Aviation Accident Factual Report

Location:	Carson City, NV	Accident Number:	GAA17CA039
Date & Time:	10/20/2016, 0815 PDT	Registration:	N31PH
Aircraft:	EVOLUTION AIRCRAFT INC REVO	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

The flight instructor in the weight shift aircraft, which was equipped with a floor mounted, foot operated throttle, reported that upon startup, the pilot receiving instruction inadvertently applied full throttle while putting his right foot on the pedal power control unit. Subsequently, the weight shift aircraft started to move towards a parked jet, so the flight instructor turned the aircraft sharply and the aircraft tipped onto its side.

The weight shift aircraft sustained substantial damage to both wings.

The flight instructor reported that there were no pre impact mechanical failures or malfunctions with the airframe or engine that would have precluded normal operation.

Flight Instructor Information

Certificate:	Flight Instructor; Private; Sport Pilot	Age:	60, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	Lap Only
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Sport Pilot Without Waivers/Limitations	Last FAA Medical Exam:	
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	06/05/2015
Flight Time:	(Estimated) 4960 hours (Total, all aircraft), 470 hours (Total, this make and model), 4900 hours (Pilot In Command, all aircraft), 160 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Sport Pilot	Age:	75, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport Pilot Unknown	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	10/29/2014
Flight Time:	(Estimated) 175 hours (Total, all aircraft), 1 hours (Total, this make and model), 150 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	EVOLUTION AIRCRAFT INC	Registration:	N31PH
Model/Series:	REVO	Aircraft Category:	Weight-Shift
Year of Manufacture:	2015	Amateur Built:	No
Airworthiness Certificate:	Special Light-Sport	Serial Number:	000611
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	07/20/2016, Annual	Certified Max Gross Wt.:	1160 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	72 Hours at time of accident	Engine Manufacturer:	Rotax
ELT:	Not installed	Engine Model/Series:	912iS
Registered Owner:	On file	Rated Power:	100 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:	KCXP, 4699 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1515 UTC	Direction from Accident Site:	173°
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:	/ N/A
Altimeter Setting:	30.38 inches Hg	Temperature/Dew Point:	2° C / 0° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Carson City, NV (CXP)	Type of Flight Plan Filed:	None
Destination:	Carson City, NV (CXP)	Type of Clearance:	None
Departure Time:	0815 PDT	Type of Airspace:	Class G

Airport Information

Airport:	CARSON (CXP)	Runway Surface Type:	Asphalt
Airport Elevation:	4704 ft	Runway Surface Condition:	Dry
Runway Used:	N/A	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	39.195556, -119.735000 (est)

Administrative Information

Investigator In Charge (IIC):	Eric A Swenson
Additional Participating Persons:	Don F Morgan; FAA; Reno, NV
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=94270