



National Transportation Safety Board Aviation Accident Factual Report

Location:	Garland, NC	Accident Number:	GAA17CA028
Date & Time:	10/12/2016, 1250 EDT	Registration:	N164N
Aircraft:	NEWKIRK THOMAS RAY VANS RV 6	Aircraft Damage:	Substantial
Defining Event:	Abnormal runway contact	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

The pilot reported that during landing at his private grass runway, the airplane "skipped" during the initial landing touchdown. Subsequently, as the airplane settled back to the runway, the nose gear collapsed, and the airplane nosed over. The pilot further reported that the grass was "soft."

The vertical stabilizer sustained substantial damage.

The pilot reported that the nose gear failed during the landing.

According to a Federal Aviation Administration (FAA) Aviation Safety Inspector (ASI) who spoke with the pilot postaccident, the pilot reported to him that the airplane bounced during the landing touchdown and when the airplane settled back to the runway, the nose gear had been damaged and further sunk into the grass runway.

A photo provided by the FAA ASI showed an initial impact mark about 100 feet prior to the location where the airplane nosed over. It is likely that the nose gear was damaged during the initial touchdown.

Pilot Information

Certificate:	Commercial; Private	Age:	47, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Lap Only
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 With Waivers/Limitations	Last FAA Medical Exam:	03/09/2016
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	05/23/2015
Flight Time:	(Estimated) 1828.8 hours (Total, all aircraft), 525 hours (Total, this make and model), 60 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	NEWKIRK THOMAS RAY	Registration:	N164N
Model/Series:	VANS RV 6 A	Aircraft Category:	Airplane
Year of Manufacture:	2002	Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	25564
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	11/12/2015, Condition	Certified Max Gross Wt.:	1600 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	525 Hours at time of accident	Engine Manufacturer:	LYCOMING
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	O-360-A1A
Registered Owner:	On file	Rated Power:	180 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:	KCPC, 99 ft msl	Distance from Accident Site:	30 Nautical Miles
Observation Time:	1745 UTC	Direction from Accident Site:	200°
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.22 inches Hg	Temperature/Dew Point:	25 °C / 15 °C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	ALLENDALE, SC (AQX)	Type of Flight Plan Filed:	None
Destination:	Garland, NC	Type of Clearance:	None
Departure Time:	1145 EDT	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor	Latitude, Longitude:	34.801389, -78.381389 (est)

Administrative Information

Investigator In Charge (IIC):	Adam M Gerhardt
Additional Participating Persons:	Barry Blumquist; FAA; Greensboro, NC
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=94237