

**NATIONAL TRANSPORTATION SAFETY BOARD  
PILOT/OPERATOR AIRCRAFT ACCIDENT/INCIDENT REPORT**

**This form to be used for reporting civil and public aircraft accidents and incidents**

**BASIC INFORMATION**

<b>Accident/Incident Location</b> Nearest City/Place: <u>Carson City</u> State: <u>NV</u> ZIP: <u>89706</u> Country: <u>US</u> Latitude: <u>N39d 11.5'</u> Longitude: <u>W119d 45.96'</u> <i>(Enter in decimal degrees or degrees:minutes:seconds)</i>	<b>Accident/Incident Date/Time</b> Date: <u>09/11/2018</u> Local Time: <u>1210PM</u> <i>mm/dd/yyyy</i> Time Zone: <u>Pacific</u> Collision with Other Aircraft: <input type="radio"/> Midair <input type="radio"/> On-ground <input checked="" type="radio"/> None
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**AIRCRAFT INFORMATION**

<b>Registration Number:</b> <u>N289MM</u> <b>Manufacturer:</b> <u>Ronald G Maier</u> <b>Model:</b> <u>Vans RV 8</u> <b>Serial Number:</b> <u>81934</u> <b>Year of Manufacture:</b> <u>2006</u> <b>Amateur-Built:</b> <input checked="" type="radio"/> Yes <i>If Yes:</i> <input checked="" type="radio"/> Kit/Plans <input type="radio"/> Original Design Make: <u>Vans RV 8</u>	<input type="checkbox"/> IFR-Equipped and Certified <input type="checkbox"/> Commercial Space Flight <input type="checkbox"/> Unmanned Aircraft <b>Maximum Gross Weight:</b> <u>1800</u> lbs <b>Weight at Time of Accident/Incident:</b> <u>1640</u> lbs <b>Number of Seats:</b> <u>2</u> Flight Crew Seats: <u>1</u> Cabin Crew Seats: <u>0</u> Passenger Seats: <u>1</u> <b>Number of Engines:</b> <u>1</u>
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<b>Category of Aircraft</b> <input checked="" type="radio"/> Airplane <input type="radio"/> Balloon <input type="radio"/> Blimp/Dirigible <input type="radio"/> Glider <input type="radio"/> Gyroplane <input type="radio"/> Helicopter <input type="radio"/> Powered Lift <input type="radio"/> Rocket <input type="radio"/> Ultralight <input type="radio"/> Unknown	<b>Type of Airworthiness Certificate</b> <i>(Check all that apply)</i> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <b>Standard</b>  <input type="checkbox"/> Normal  <input type="checkbox"/> Aerobatic  <input type="checkbox"/> Balloon  <input type="checkbox"/> Commuter  <input type="checkbox"/> Transport  <input type="checkbox"/> Utility  <input type="checkbox"/> Certificate of Authorization or Waiver (COA)  <input type="checkbox"/> None                 </td> <td style="width:50%; vertical-align: top;"> <b>Special</b>  <input type="checkbox"/> Restricted  <input type="checkbox"/> Limited  <input type="checkbox"/> Provisional  <input type="checkbox"/> Special Flight  <input checked="" type="checkbox"/> Experimental  <input type="checkbox"/> Special Light-Sport  <input type="checkbox"/> Experimental Light-Sport  <input type="checkbox"/> Unknown                 </td> </tr> </table>	<b>Standard</b> <input type="checkbox"/> Normal <input type="checkbox"/> Aerobatic <input type="checkbox"/> Balloon <input type="checkbox"/> Commuter <input type="checkbox"/> Transport <input type="checkbox"/> Utility <input type="checkbox"/> Certificate of Authorization or Waiver (COA) <input type="checkbox"/> None	<b>Special</b> <input type="checkbox"/> Restricted <input type="checkbox"/> Limited <input type="checkbox"/> Provisional <input type="checkbox"/> Special Flight <input checked="" type="checkbox"/> Experimental <input type="checkbox"/> Special Light-Sport <input type="checkbox"/> Experimental Light-Sport <input type="checkbox"/> Unknown	<b>Landing Gear</b> <i>(Check all that apply)</i> <input type="checkbox"/> Retractable <input type="checkbox"/> Tricycle <input type="checkbox"/> Amphibian <input type="checkbox"/> Emergency Float <input type="checkbox"/> Float <input type="checkbox"/> Hull <input type="checkbox"/> Other Launch/Recovery System <input type="checkbox"/> None <input type="checkbox"/> Unknown	<b>Engine Type (Select one)</b> <input checked="" type="radio"/> Reciprocating <input type="radio"/> Turbo Shaft <input type="radio"/> Turbo Prop <input type="radio"/> Turbo Jet <input type="radio"/> Turbo Fan <input type="radio"/> Electric <input type="radio"/> Liquid Rocket <input type="radio"/> Solid Rocket <input type="radio"/> Hybrid Rocket <input type="radio"/> None <input type="radio"/> Unknown <b>Fuel System Type (Reciprocating)</b> <input type="radio"/> Carburetor <input checked="" type="radio"/> Fuel-Injected
<b>Standard</b> <input type="checkbox"/> Normal <input type="checkbox"/> Aerobatic <input type="checkbox"/> Balloon <input type="checkbox"/> Commuter <input type="checkbox"/> Transport <input type="checkbox"/> Utility <input type="checkbox"/> Certificate of Authorization or Waiver (COA) <input type="checkbox"/> None	<b>Special</b> <input type="checkbox"/> Restricted <input type="checkbox"/> Limited <input type="checkbox"/> Provisional <input type="checkbox"/> Special Flight <input checked="" type="checkbox"/> Experimental <input type="checkbox"/> Special Light-Sport <input type="checkbox"/> Experimental Light-Sport <input type="checkbox"/> Unknown				

Engine	Engine Manufacturer	Engine Model/Series	Manufacturer's Serial Number	Date of Mfg. <i>mm/dd/yyyy</i>	Rated Power <input checked="" type="radio"/> Horsepower or <input type="radio"/> lbs of Thrust	Total Time (hours)	Time Since: Inspection (hours)	Time Since: Overhaul (hours)
Eng. 1	Titan	IO-361 A4M	106007	<u>06/26/2007</u>	180	1141.8	34	1141.8
Eng. 2				<u>6/24/2006</u>				
Eng. 3								
Eng. 4								

<b>Last Inspection Type</b> <input type="radio"/> 100-Hour <input type="radio"/> AAIP <input type="radio"/> Annual <input type="radio"/> Continuous Airworthiness <input checked="" type="radio"/> Conditional Inspection <input type="radio"/> Unknown <b>Date Last Inspection:</b> <u>06/12/2018</u> <i>mm/dd/yyyy</i> <b>Airframe Total Time:</b> <u>1108.5</u> hrs hours measured at <i>(Select one)</i> <input checked="" type="radio"/> Last Inspection <input type="radio"/> Time of Accident/Incident	<b>Propeller 1</b> <input checked="" type="radio"/> Fixed Pitch <input type="radio"/> Controllable Pitch <input type="radio"/> Ground Adjustable Manufacturer: <u>Sensenich</u> Model: <u>unknown</u>	<b>Propeller 2</b> <input type="radio"/> Fixed Pitch <input type="radio"/> Controllable Pitch <input type="radio"/> Ground Adjustable Manufacturer: _____ Model: _____
<b>Type of Maintenance Program (Select one)</b> <input type="radio"/> Annual <input checked="" type="radio"/> Conditional (Amateur-built only) <input type="radio"/> Manufacturer's Inspection Program <input type="radio"/> Other Approved Inspection Program (AAIP) <input type="radio"/> Continuous Airworthiness <input type="radio"/> Other, specify: _____	<b>ELT Installed:</b> <input checked="" type="radio"/> Yes <input type="radio"/> No If Yes: <b>ELT Manufacturer:</b> <u>Ameri-King</u> <b>Model or Part No.:</b> <u>A-450 AFAT</u> <b>TSO No.:</b> <input type="radio"/> C91 (121.5 MHz) <input checked="" type="radio"/> C91a (121.5 MHz) <input type="radio"/> C126 (406 MHz) <b>Was ELT still mounted in aircraft?</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <b>Was ELT still connected to antenna?</b> <input checked="" type="radio"/> Yes <input type="radio"/> No <b>Did ELT Activate?</b> <input checked="" type="radio"/> Yes <input type="radio"/> No If activated: <b>Did ELT Aid in Locating Aircraft:</b> <input type="radio"/> Yes <input checked="" type="radio"/> No If not activated: <b>Indicate Reason:</b> <input type="checkbox"/> Impact Damage <input type="checkbox"/> Fire Damage <input type="checkbox"/> Battery Expired/Damaged <input type="checkbox"/> Unknown	<b>Additional Equipment (Check all that apply)</b> <input type="checkbox"/> ADS-B <input type="checkbox"/> Airframe Parachute <input type="checkbox"/> Angle of Attack Indicator <input checked="" type="checkbox"/> Autopilot <input type="checkbox"/> Data Recorder <input type="checkbox"/> Electronic Flight Bag or Handheld Device <input type="checkbox"/> Electronic Multifunction Display <input checked="" type="checkbox"/> Electronic Primary Flight Display <input checked="" type="checkbox"/> Handheld GPS <input type="checkbox"/> Heads Up Display <input checked="" type="checkbox"/> Onboard Weather <input type="checkbox"/> Satellite Tracking Device <input type="checkbox"/> Stall Warning System <input type="checkbox"/> Video Recording Device <input type="checkbox"/> Other, Specify: _____
<b>Description of Fire Extinguishing System</b> <input checked="" type="radio"/> None <input type="radio"/> Specify: _____		



**ADDITIONAL FLIGHT CREWMEMBERS (Exclusive of cabin crew, complete the following information)**

<b>Crew Name and Address</b>		<b>Seat Occupied</b>	<b>Injury</b>
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown
<b>Pilot Certificate(s) (Check all that apply)</b> <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		<b>Restraint Type:</b> <b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs	

<b>Crew Name and Address</b>		<b>Seat Occupied</b>	<b>Injury</b>
First Name: _____ City of Residence: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____		<input type="radio"/> Left <input type="radio"/> Front <input type="radio"/> Center <input type="radio"/> Rear <input type="radio"/> Right <input type="radio"/> Single <input type="radio"/> Unknown	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown
<b>Pilot Certificate(s) (Check all that apply)</b> <input type="checkbox"/> None <input type="checkbox"/> Flight Instructor <input type="checkbox"/> Commercial <input type="checkbox"/> US Military <input type="checkbox"/> Private <input type="checkbox"/> Recreational <input type="checkbox"/> Airline Transport <input type="checkbox"/> Foreign <input type="checkbox"/> Student <input type="checkbox"/> Sport <input type="checkbox"/> Flight Engineer		<b>Restraint Type:</b> <b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<b>Inflatable Restraints</b> <input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown
<b>Type Rating/Endorsement for Accident/Incident Aircraft?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Total Flight Time at the Time of this Accident/Incident:</b> _____ hrs	

**PASSENGER(S) / OTHER PERSONNEL (include cabin crew, continue on separate sheet if necessary)**

Name and Address	Seat	Injury	Restraint Type	Inflatable Restraints	Age
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ <input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ <input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ <input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown
First Name: _____ City: _____ Middle Initial: _____ State: _____ ZIP: _____ Last Name: _____ Country: _____ <input type="radio"/> Crew <input type="radio"/> Passenger <input type="radio"/> Other	<input type="radio"/> Left <input type="radio"/> Center <input type="radio"/> Right <input type="radio"/> Unknown Row: _____	<input type="radio"/> None <input type="radio"/> Minor <input type="radio"/> Serious <input type="radio"/> Fatal <input type="radio"/> Unknown	<b>Available</b> <b>Used</b> <input type="radio"/> None <input type="radio"/> None <input type="radio"/> Lap Only <input type="radio"/> Lap Only <input type="radio"/> 3-point <input type="radio"/> 3-point <input type="radio"/> 4-point <input type="radio"/> 4-point <input type="radio"/> 5-point <input type="radio"/> 5-point <input type="radio"/> Unknown <input type="radio"/> Unknown	<input type="checkbox"/> Not Installed <input type="checkbox"/> Installed <input type="checkbox"/> Not Deployed <input type="checkbox"/> Deployed <input type="checkbox"/> Unknown	<input type="checkbox"/> Under 5 years If Under 5, <input type="checkbox"/> Child Restraint <input type="checkbox"/> Lap-Held <input type="checkbox"/> Unknown

**DAMAGE TO AIRCRAFT AND OTHER PROPERTY**

<b>Aircraft Damage</b> <input type="radio"/> None <input checked="" type="radio"/> Substantial <input type="radio"/> Minor <input type="radio"/> Destroyed <input type="radio"/> <input type="radio"/> Unknown		<b>Aircraft Fire</b> <input checked="" type="radio"/> None <input type="radio"/> Both Ground and In-Flight <input type="radio"/> In-Flight <input type="radio"/> Fire at Unknown Time <input type="radio"/> On-Ground <input type="radio"/> Unknown		<b>Aircraft Explosion</b> <input checked="" type="radio"/> None <input type="radio"/> Both Ground and In-Flight <input type="radio"/> In-Flight <input type="radio"/> Explosion at Unknown Time <input type="radio"/> On-Ground <input type="radio"/> Unknown	
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**Description of Damage to Aircraft and Other Property** *(Use additional sheet if necessary)*

Left wing bent upward at root, left flap and aileron heavily damaged. Wing skin wrinkled and bent especially near center section. Center section damaged and deformed and left landing gear strut pushed upward into foot well area in cockpit. Landing gear tower damaged. Fuselage damaged especially lower left side near wing attach point. Left wheel pant heavily damaged. Left gear strut broken. Numerous other skin wrinkles and structure damage. From the front seat forward the fuselage is bent left and up. The cockpit floor is bent in several places forward of the center section. The cockpit fuel lines and fuel selector damaged and displaced. The windshield is pushed up out of position. The composite canopy to windshield seal fairing cracked. The propeller bent at tips and engine suffered prop strike. Engine mount and firewall both damaged and deformed. The right wheel and tire damaged. The tail wheel has light damage.

**NARRATIVE HISTORY OF FLIGHT** *(Please type or print in ink)*

Describe what occurred in chronological order, including circumstances leading to and nature of accident/incident. Describe terrain and include wreckage distribution sketch if pertinent. Attach extra sheets if needed. State departure time and location, services obtained, and intended destination. Provide as much detail as possible.

Approach was normal. Touched down firm and slightly fast. Airplane became airborne and power was added to cushion impact. Upon touchdown aircraft settled left wing low and turned 45 degrees right and departed runway, crossing taxiway and slid to stop in dirt. Of course full left rudder and brake was applied but the aircraft gave zero reaction and continued on the 45 degree course off the runway.

**ADDITIONAL INFORMATION (Please type or print in ink)**

Use this space if additional space is needed for any answers.

**I HEREBY CERTIFY THAT THE ABOVE INFORMATION IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE**

**Date of this Report** 09/17/2018 **Name of Pilot/Operator:** Ronald G Maier  
mm/dd/yyyy  
**Signature:** [Redacted]  
**Mailed 9/24/2018** -- or --  Check here to electronically sign this document

**If a Person Other than Pilot/Operator is Filing Report**  
**Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_  
**Signature:** \_\_\_\_\_  
-- or --  Check here to electronically sign this document

**FOR NTSB USE ONLY**

<b>NTSB Accident/Incident No.</b> GAA18CA548	<b>Reviewed by NTSB Regional Office</b> GAA	<b>Name of Investigator</b> Eleazar Nepomuceno	<b>Date Report Received</b> 10/1/2018
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