



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Trenton, SC	<b>Accident Number:</b>	ERA14LA059
<b>Date &amp; Time:</b>	12/02/2013, 1530 EST	<b>Registration:</b>	N355PT
<b>Aircraft:</b>	MOFFITT OSCAR/ KIT PROSTAR A/C PT2	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Analysis

According to the pilot, he was conducting a presale inspection of his experimental, amateur-built airplane. He ensured no debris was present in the gascolator and then conducted a test flight. During the test flight and while on final approach to land, the engine lost all power, and the pilot subsequently made a forced landing in a field. A postaccident examination of the gascolator revealed that the strainer bowl was not installed and safety wired in accordance with a service letter issued by the gascolator manufacturer. As a result, the gascolator strainer bowl became separated from the bail, which caused fuel starvation to the engine and total loss of engine power.

## Flight Events

Prior to flight - Aircraft inspection event  
Approach-VFR pattern final - Loss of engine power (total)  
Emergency descent - Off-field or emergency landing  
Emergency descent - Collision with terr/obj (non-CFIT)

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
The airplane owner/pilot 's failure to follow the gascolator manufacturer's recommendations for installing and safety wiring the gascolator strainer bowl, which resulted in the bowl separating and a total loss of engine power due to fuel starvation.

## Findings

Aircraft-Aircraft systems-Fuel system-Fuel filter-strainer-Incorrect service/maintenance - C  
Personnel issues-Task performance-Inspection-Preflight inspection-Pilot - C

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	65
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	(Estimated) 283.3 hours (Total, all aircraft), 11.5 hours (Total, this make and model), 208.4 hours (Pilot In Command, all aircraft), 16.8 hours (Last 90 days, all aircraft), 8.2 hours (Last 30 days, all aircraft), 0.4 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	MOFFITT OSCAR/ KIT PROSTAR A/C	<b>Registration:</b>	N355PT
<b>Model/Series:</b>	PT2	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	PUTT LARRY F	<b>Engine Manufacturer:</b>	Lycoming
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	4106-27
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	DNL, 422 ft msl	<b>Weather Information Source:</b>	Weather Observation Facility
<b>Conditions at Accident Site:</b>	Visual Conditions	<b>Lowest Ceiling:</b>	None
<b>Condition of Light:</b>	Day	<b>Wind Speed/Gusts, Direction:</b>	7 knots, 330°
<b>Temperature:</b>	17°C / 3°C	<b>Visibility</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	GRANITEVILLE, SC (S17)	<b>Destination:</b>	Trenton, SC (6J6)

## Airport Information

<b>Airport:</b>	Edgefield County Airport (6J6)	<b>Runway Surface Type:</b>	N/A
<b>Runway Used:</b>	N/A	<b>Runway Surface Condition:</b>	Unknown
<b>Runway Length/Width:</b>			

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Eric Alleyne	<b>Adopted Date:</b>	10/19/2015
<b>Note:</b>	The NTSB did not travel to the scene of this accident.		
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=88502">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=88502</a>		

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