



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Waterville, WA	<b>Accident Number:</b>	WPR10LA272
<b>Date &amp; Time:</b>	06/01/2010, 1129 PDT	<b>Registration:</b>	N8815U
<b>Aircraft:</b>	EAGLE Eagle DW-1	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Positioning		

## Analysis

The pilot was repositioning the airplane when the engine lost power. He made a forced landing in a soft field, and the airplane nosed over. An examination of the wreckage revealed a worn wire on one magneto. It is likely that the intermittent grounding of the magneto could have caused the engine to surge and lose power.

## Flight Events

Enroute-cruise - Loss of engine power (total)  
Landing - Off-field or emergency landing  
Landing - Nose over/nose down

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
A worn wire in the magneto system, which allowed intermittent grounding and a loss of engine power.

## Findings

Aircraft-Aircraft power plant-Ignition system-Ignition system wiring-Fatigue/wear/corrosion - C  
Aircraft-Aircraft power plant-Engine (reciprocating)-(general)-Failure - C  
Environmental issues-Physical environment-Runway/land/takeoff/taxi surfa-Soft-Contributed to outcome

## Pilot Information

<b>Certificate:</b>	Airline Transport; Commercial	<b>Age:</b>	27
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land; Single-engine Sea	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	Airplane Single-engine
<b>Flight Time:</b>	2500 hours (Total, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	EAGLE	<b>Registration:</b>	N8815U
<b>Model/Series:</b>	Eagle DW-1	<b>Engines:</b>	1 Reciprocating
<b>Operator:</b>	Philbert Johnson	<b>Engine Manufacturer:</b>	Lycoming
<b>Air Carrier Operating Certificate:</b>	None	<b>Engine Model/Series:</b>	IO-540-M1B
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Positioning		

## Meteorological Information and Flight Plan

<b>Observation Facility, Elevation:</b>	KEAT, 1249 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>	10 knots, 320°
<b>Temperature:</b>	17°C / 1°C	<b>Visibility:</b>	10 Miles
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Waterville, WA	<b>Destination:</b>	Missoula, MT

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<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>	Howard D Plagens	<b>Adopted Date:</b>	03/28/2012
<b>Investigation Docket:</b>	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76183">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76183</a>		

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