



## MEMORANDUM FOR RECORD

**Stephen Stein**  
**Air Safety Investigator**  
**National Transportation Safety Board**  
**Office of Aviation Safety – Western Pacific Region**

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**NTSB Accident Number: WPR17LA048**  
**Aircraft Registration & Make/Model: N4518S; Cozy MK IV R**  
**Accident Location: Napa, California**  
**Accident Date: January 4, 2017**

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Note: The following interviews were documented by the Investigator-In-Charge (IIC), Stephen Stein.

### Interview #1 Summary

**Dominic Martin**

Interview Date and Time: December 21, 2017; 1403 PT

Mr. Martin stated that Tracy Cook was one of the original owners who started installing Mazda Rotary engines in airplanes. He wrote and published books on the subject, but retired about 3 years ago.



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### Interview #1 Summary

**John Schosanski**  
Accident Pilot/Builder

Interview Date and Time: January 20, 2017; 1651 PT

According to Mr. Schosanski, he examined the accident airplane after it was recovered from the marsh area. A visual inspection of the engine linkages, air filter, exhaust system did not reveal any anomalies. The engine's fuel injector diagnostic was run at a simulated engine speed of 3,000 rpm and the fuel injectors functioned normally. An ignition system diagnostic, which examines the ignition harness and spark plugs did not display any anomalies.

### Interview #2 Summary

**John Schosanski**  
Accident Pilot/Builder

Interview Date and Time: February 7, 2017; 1350 PT

The accident pilot stated that during an engine teardown he discovered that two top apex seals were missing from the rear rotor, which were likely expelled from the engine. He further remarked that the absence of an apex seal can result in low compression and reduced engine power.

Interview #3 Summary

**John Schosanski**  
Accident Pilot/Builder

Interview Date and Time: January 8, 2018; 0813 PT

According to the pilot, he removed the crank angle sensor and found that the unit was properly aligned and in good condition.



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### Interview #1 Summary

**Marc Zeitlin**  
Cozy Technical Support

Interview Date and Time: December 21, 2017; 0938 PT

According to Mr. Zeitlin, he recommends that builders install Lycoming O-360 engines in their Cozy model airplanes. He believes there are about 400 Cozy MK IV airplanes in service and only about 5-6 are equipped with Mazda rotary engines.