

**From:** [Rayner Brian](#)  
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**Subject:** ERA16FA150 Ocala, FL Engine Run  
**Date:** Thursday, June 2, 2016 3:44:14 PM

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The engine was examined and prepared for testing in Mobile, Alabama between May 31, 2016 and June 2, 2016. During examination and preparation, the crankshaft was sleeved and the fractured propeller flange was welded back on to the crankshaft. The aft left oil cooler mount/mount leg and the magneto ignition harnesses were replaced due to impact damage. The magnetos remained secure in their mounts and timing was confirmed at 20 degrees before top dead center.

The engine starter, intake tubes for cylinders 3 and 5, and the entire exhaust system were replaced due to impact, and for compatibility with the engine test cell equipment. The engine's turbocharger and waste gate were intact, and installed for the engine test run without modification.

The engine started immediately, accelerated smoothly, and ran continuously without interruption. The engine was run through the manufacturer's entire test run protocol with no anomalies noted. After completion of the test protocols, the engine was accelerated and decelerated rapidly several times between idle and full power. During the accelerations and decelerations the engine ran smoothly and without interruption.

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