

**DATE RELEASED**

10-16-23

**DATE EFFECTIVE**

10-16-23

**SUBJECT**

Intermittent Starter Solenoid

**EFFECTIVITY****MODEL-** Ranger R7**SERIAL NO:** ALL AIRCRAFT IN THE RANGE: **10206-10216****REASON**

A batch of starter solenoids is susceptible to being engaged unexpectedly and powering the starter motor. This is due to Vashon Aircraft purchasing this component from a different manufacturer which appears to have looser tolerances between the electrical connections. If this poorer quality solenoid accidentally engaged, the propeller would start spinning when power is provided with the master switch. That is regardless of if keys are in the ignition or not.

**REQUIRED ACTION**

Replace solenoid.

**TYPE OF MAINTENANCE**

Low.

**MINIMUM LEVEL OF CERTIFICATION**

LSA Repairman-M.

**TIME OF COMPLIANCE**

Replace solenoid Immediately. However, up to ten hours of Hobbs time is acceptable for a ferry flight to a qualified facility.

**METHOD OF COMPLIANCE**

Replace the starter solenoid with parts supplied by Vashon Aircraft. The promptest response can be obtained by contacting Vashon Aircraft at:

[support@vashonaircraft.com](mailto:support@vashonaircraft.com)

**(425) 527-9944**

Once parts are obtained, follow the steps listed below in Appendix A of this document. Once replacement is completed this service bulletin is nullified.

**LABOR REQUIRED:**

Approximately 1 hour.



## Appendix A: Replacement of Starter Solenoid

**Step 1:**

-DETTACH battery positive terminal

**Step 2:**

-REMOVE and REPLACE starter solenoid with STS-S12 and its wiring as shown

