

**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.

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

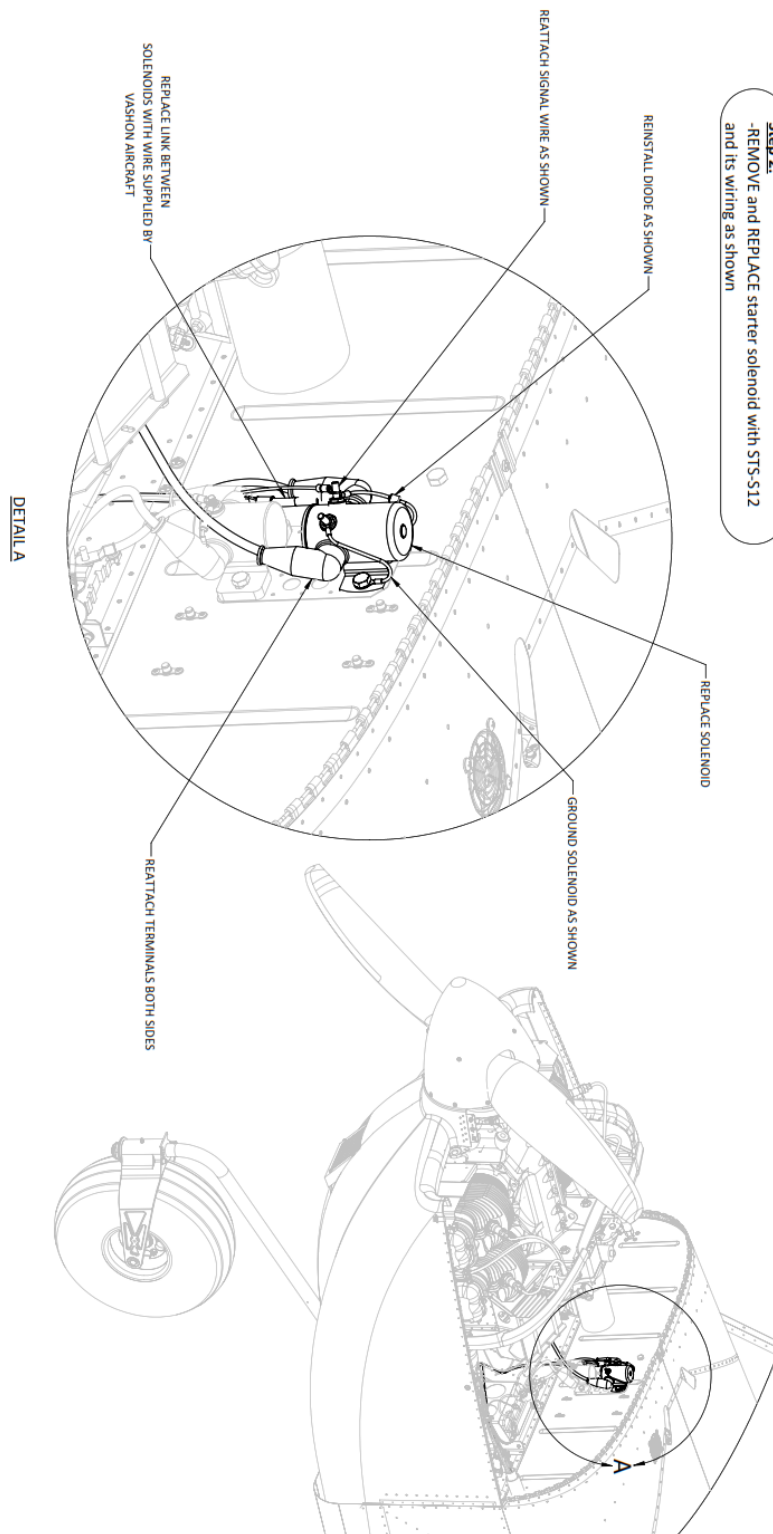
LABOR REQUIRED:

Approximately 1 hour.

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Appendix A: Replacement of Starter Solenoid



Step 1:
-DETACH battery positive terminal

Step 2:
-REMOVE and REPLACE starter solenoid with STS-S12 and its wiring as shown