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Title: Sr. ASI  
Division: ERA

**Date:** September 2, 2025

**Subject:** Fuel Servo Examination/Testing- AvStar Fuel Systems, Jupiter, FL

**Contact:** Leah Read, Sr. ASI, NTSB  
Rene Loew, AvStar Fuel Systems, Inc.

On September 2, 2025, I witnessed the testing/examination of fuel servo S/N: AV55917827, at AvStar Fuel Systems, Inc. in Jupiter, Florida. The unit was shipped by the NTSB IIC to AvStar prior to the examination and kept in quarantine until the exam. The fuel servo was removed from the shipping container in my presence and examined before it was prepared to be placed on the test bench. The servo appeared new and was stamped with a manufacturing date of 3/22. Throttle movement was smooth, and the mixture control spring (a Robinson helicopter part) was removed. The mixture control also moved freely. The servo appeared undamaged; however, the mixture control bracket was slightly bent. Per AvStar, the mixture control clevis's cotter pins had been removed/replaced in the field and the spring washers were installed on the wrong side.

The servo was placed on a bench test and a Calibration Test Specification Test was performed. The unit tested to specifications in all parameters, and no hysteresis was observed. The servo was removed from the test bench and the fuel screen was removed. The screen was clear of any debris.

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