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Federal Aviation Administration

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REVISED SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC

<http://www.faa.gov/aircraft/safety/alerts/>

This is information only. Recommendations aren't mandatory

Introduction

This Special Airworthiness Information Bulletin (SAIB) alerts you, owners and operators of certain, **Meggitt/S-TEC Corporation pitch servo components**, listed below, that could exhibit a potential failure of the pitch servo causing autotrim operation to become inoperative or unreliable. The pitch servo is installed in various small airplanes that have a Meggitt/S-TEC autopilot configuration.

Failure indications could include loss of pitch servo operation, loss of or faulty autotrim operation, or loss of or faulty trim requirement indications. The loss of autotrim capabilities could result in an "out of trim" condition at autopilot disconnect.

Background

We received notification from Meggitt/S-TEC Corporation, the servo manufacture, that they have identified two servos in their production line with trim switch actuation arm fastener lose. In one case, the fastener was loose within the servo housing. The second case noted pitch autotrim was inoperative during initial installation ground checks. They discovered both defects prior to the production phase of certification.

Recommendation

To prevent additional failures of the pitch servos, we strongly recommend that you comply with Meggitt/S-TEC Service Bulletin 05-004 (attached).

SERVO COMPONENTS

Servo Part Number and Type	Serial Number Range/Manufacture Dates
0107-()-() and 14 VDC	0505-15886 to 0519-16166 / Feb. 2, 2005 to May 10, 2005
0108-()-() and 28 VDC	0505-14131 to 0519-14543 / Feb. 2, 2005 to May 11, 2005
01230-()-() and 28 VDC	0452-076 to 0517-090 / Dec. 20, 2004 to Apr. 29, 2005

For Further Information Contact

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