



MEGGITT S-TEC

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## SERVICE BULLETIN

PN: 7738  
DATE: 4/8/05

**TO:** Owners and operators of the Meggitt MAGIC® 2100 Digital Flight Control System installed in Cessna 441 aircraft in accordance with STC SA09622AC  
**FROM:** Trevor Palmeri, VP Customer Support

### 1. PLANNING INFORMATION

#### A. EFFECTIVITY

All Cessna 441 aircraft equipped with the 01298-()-()-() computer programmer installed per STC SA09622AC.

#### B. CONCURRENT REQUIREMENTS

N/A

#### C. REASON

To notify owners / operators of mandatory computer programmer update and provide instructions for obtaining these updates for their equipment.

#### D. DESCRIPTION

A TSO update has been FAA approved to improve back course and front course localizer performance. The ability to capture the glideslope from any pitch mode is included along with changes to resolve issues described in SL04-001R1, dated 2/13/04. In addition to changes visible to the pilot, other product improvement changes have been incorporated.

#### E. COMPLIANCE

MANDATORY

#### F. APPROVAL

FAA approved change to STC SA09622AC data for installation of 01304-()-()-() computer programmer.

#### G. MANPOWER

0.5 hour warranty labor will be paid to authorized S-TEC dealers for removal and reinstallation of computer programmer.

#### H. WEIGHT AND BALANCE

N/A

#### I. ELECTRICAL LOAD DATA

N/A

#### J. REFERENCES

N/A

**K. OTHER PUBLICATIONS EFFECTED**

A new Aircraft Flight Manual Supplement (AFMS) and Pilot's Operating Handbook (POH) will be provided with updated computer. The POH is also available for download from our web site, [www.magic.aero](http://www.magic.aero).

**2. MATERIAL INFORMATION**

**A. TOOLING**

**1. REQUIREMENTS**

N/A

**B. MATERIAL COST AND AVAILABILITY**

N/A

**3. ACCOMPLISHMENT INSTRUCTIONS**

**A. DISASSEMBLY**

**1. INSTRUCTIONS**

Remove computer programmer and contact S-TEC Customer Service @ 1-800-872-7832 for an RMA number. Ship computer programmer to S-TEC for modification and update. Dealer is responsible for shipping cost to the factory. We will return the updated unit to the dealer, freight prepaid.

**B. RE-ASSEMBLY**

**1. INSTRUCTIONS**

Reinstall updated computer programmer and perform ground functional test prior to returning aircraft to service. Remove original AFMS and insert new AFMS. Remove old POH from aircraft and replace with new POH.

Ensure proper maintenance entries are made in aircraft maintenance records, identifying compliance with Service Bulletin 05-003, dated 4/8/05

**C. RE-IDENTIFICATION**

Re-identification of computer programmer will be accomplished at update by S-TEC.



Trevor Palmeri  
Vice President of Customer Support