

Service Bulletin

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| MODEL(S) | MD302 |
| PART NUMBER(S) | 6420302-() |
| DESCRIPTION | SAM [®] Standby Attitude Module |
| TOPIC | Software Version 1.0.5 |
| PURPOSE | Product and Performance Enhancements |
| RELEASE DATE | September 28, 2015 |

APPLICABILITY

This Service Bulletin is applicable to the model MD302 SAM[®] Standby Attitude Module, part number 6420302-() manufactured by Mid-Continent Instrument Co., Inc. (dba Mid-Continent Instruments and Avionics).

PURPOSE

The MD302 SAM Software Version 1.0.5 adds customer requested features as described herein.

EFFECTIVITY

MD302 SAM units in the field can be updated to Software Version 1.0.5, but are not required to do so for continued airworthiness. NOTE: An MD302 SAM unit currently operating Software Version 1.0.0 must first be updated to Software Version 1.0.2 prior to installing Software Version 1.0.5.

Following the release date of this Service Bulletin, all MD302 SAM units provided by Mid-Continent Instruments and Avionics shall be supplied with Software Version 1.0.5 or later installed.

DESCRIPTION

The following list describes the added features, enhancements and resolutions incorporated in the Software Version 1.0.5 update.

ADDED FEATURES

1. Configuration option to disable baro sync
2. Expanded ARINC output labels to include 234 and 235 for communicating baro setting
3. Capability to include aircraft specific Static Source Error Correction (SSEC)

ENHANCEMENTS

1. Additional battery health checks including dialog box for battery over-temperature condition.

RESOLUTIONS

1. Potential error message upon software update displays correctly.

ESTIMATED MANPOWER

Approximately 30-60 minutes.

APPROVALS

This Service Bulletin represents a minor change to the previously approved Technical Standard Orders Authorization. Any changes to software and/or complex hardware have been completed in accordance with approved developmental and quality processes per the guidelines of RTCA document DO-178B and DO-254, respectively.

WEIGHT AND BALANCE

No change

ELECTRICAL LOAD DATA

No change

CERTIFICATION

This Service Bulletin represents a minor change to the previously approved Technical Standard Orders Authorization.

OTHER PUBLICATIONS AFFECTED

Mid-Continent Instruments and Avionics Installation Manual and Operating Instructions, part number 9017782, Revision J or later, includes information associated with this Service Bulletin.

ACCOMPLISHMENT INSTRUCTIONS

The action required by this Service Bulletin can be accomplished by returning the unit to Mid-Continent Instruments and Avionics or by performing the instructions as listed in this section.

If returning the MD302 SAM[®] unit to Mid-Continent Instruments and Avionics:

Call the Mid-Continent Instruments and Avionics sales department for a Return Material Authorization (RMA) at 316-630-0101

Return address: Mid-Continent Instruments and Avionics
9400 E. 34th Street N.
Wichita, KS 67226

If performing this update in the field:

Follow the Instructions for Continued Airworthiness (ICA) for Software Updates as provided in the Mid-Continent Instruments and Avionics Installation Manual and Operating Instructions, part number 9017782, Revision J or later.