

Service Bulletin

MODEL(S)	1394T101
PART NUMBER(S)	1394T101-()
DESCRIPTION	Turn Coordinator
TOPIC	Modification 1
PURPOSE	Performance Enhancement
RELEASE DATE	June 3, 2026

APPLICABILITY

This Service Bulletin is applicable to the 1394T101 Hybrid Turn Coordinator, part number series 1394T101-(), manufactured by Mid-Continent Instrument Co., Inc. (dba Mid-Continent Instruments and Avionics).

PURPOSE

This modification (MOD 1) to the 1394T101 Turn Coordinator improves robustness to input power conditions reported on some 14 VDC aircraft installations.

EFFECTIVITY: VOLUNTARY

All 1394T101-() series Turn Coordinator units marked with MOD 1 shall include the changes described herein. The MOD 1 changes are not required for continued airworthiness.

DESCRIPTION

The following list describes the changes incorporated in this modification.

RESOLUTIONS

1. Implemented firmware fix to prevent initialization failure during transient low input power conditions.
2. Adjusted autopilot output signal gain to improve production calibration (applies to -14RB only).

ESTIMATED MANPOWER

None. Not available for field update.

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 for the 1394T101-() series Turn Coordinator. Any changes to software have been completed in accordance with approved developmental and quality processes per the guidelines of RTCA document DO-178C. Qualification data remains unchanged for DO-160G, including performance per Section 16 Category Z Power Input.

OTHER PUBLICATIONS AFFECTED

Mid-Continent Instruments and Avionics Installation Manual and Operating Instructions, part number 9020079, Revision D or later, is applicable and current with respect to this Service Bulletin.

ACCOMPLISHMENT INSTRUCTIONS

The changes for MOD 1 can only be accomplished by returning the unit to Mid-Continent Instruments and Avionics for factory modification.

If returning the 1394T101 unit to Mid-Continent Instruments and Avionics:

Call 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