



Description:

SERVICE BULLETIN: MA-10UD FIRMWARE UPDATE

Document #:

SB-0004

Rev:

A

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Rev	Description of Changes	Approved	Date
A	Initial Release	R. Allen	10/16/12

1. SUBJECT:

- MA-10UD Firmware Upgrade

2. STATUS:

- The Modification is **Recommended** - Not Mandatory.
- A properly functioning MA-10 Altimeter may remain in service prior to modification.

3. IDENTIFICATION:

- All units produced since January 1, 2009.
- Units manufactured after 1/1/09 have a serial number starting with the letter K, L, M, N.

4. BACKGROUND:

Reports have been received of MA-10UD altimeters with pointers which spin continuously when the unit is turned on. The spinning pointer indicates an internal component failure, or a suspected component failure.

The MA-10UD incorporates a solid state digital pressure sensor, specifically designed to measure atmospheric pressure. It is an *Alti-2 Design Philosophy* that it is better to display a clear failure condition to the operator rather than continue to display possibly erroneous altitude information. The altimeter automatically checks for a failed or malfunctioning sensor and in the event that this is detected, the pointer will continuously and rapidly rotate; a clear indication to the operator that a failure has occurred.

The current firmware is displaying a false indication of pressure sensor failure under some conditions. A firmware upgrade is required to correct this issue.

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5. SERVICE BULLETIN

Units that are affected by this notice may be returned for firmware updating. All units will be automatically upgraded to the latest firmware, including compatibility with the MA-10UD Transmitter.

Units that are returned to Alti-2 will be processed as follows:

- Firmware updated

MA-10UD Altimeters Should Be Sent To:

Complete Parachute Solutions, Inc.
1320 E. International Speedway Blvd.
Receiving Dept. Suite 5
DeLand, FL, 32724
U.S.A.

Tel: + 1 386-736-3862
Fax: + 1 386-736-3899
Email: cpsworld@cpsworld.com

Contact CPS for a Return Material Authorization Number (RMA) prior to shipping.

6. COMPLIANCE DATE:

- MA-10UD units may be returned for firmware updating at the owner's earliest convenience.
- CPS will coordinate the service scheduling and return shipping logistics.

7. AUTHORITY:

Roger F. Allen – President
ALTI-2 Incorporated
DeLand, Florida
U.S.A.

8. DISTRIBUTION:

- All Military Users of this product worldwide.
- All Dealers and Sales Agents to whom this product was sold.

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