

Service Bulletin

MODEL(S)	TS835
PART NUMBER(S)	MD835-()
DESCRIPTION	Emergency Power Supply
TOPIC	Modification (“MOD”) 1
PURPOSE	Updated TSO from C179 to C179a
RELEASE DATE	July 6, 2012

APPLICABILITY

This Service Bulletin is applicable to the model TS835 Emergency Power Supply, part numbers MD835-() manufactured by Mid-Continent Instrument Co., Inc. (dba True Blue Power & Mid-Continent Instruments and Avionics). These updates are to be performed **ONLY** by authorized personnel per the instructions as listed in this Service Bulletin. Units with this modification are available for sale from the manufacturer.

PURPOSE

The modification(s) associated with this Service Bulletin support an update to product qualification testing and an updated FAA TSO certification.

EFFECTIVITY

Following the release date of this Service Bulletin, any TS835 Emergency Power Supply units marked as MOD 1, including those newly manufactured by True Blue Power and marked as such, shall include the changes as described herein.

DESCRIPTION

The following list describes the changes incorporated in this TS835 modification.

ADDED FEATURES

1. Adjustable 5 volt auxiliary power output is available for the TS835-5 model.
2. Connector has been modified to accept multiple mating connector configurations for -1 and -5 models.

ENHANCEMENTS

1. External installation of CR1 diode per Installation Wiring diagrams is **NOT** required (optional).

- The 3.0 amp maintenance fast charge feature has been removed; standard charge rate during both operation and maintenance has been increased from 0.8 amps to 3.5 amps.

ESTIMATED MANPOWER

None. Not available for field updates.

APPROVALS

None required

WEIGHT AND BALANCE

No change

ELECTRICAL LOAD DATA

No change

CERTIFICATION

This Service Bulletin represents a minor change to the previously approved Technical Standard Order Authorization (TSO C179) for the TS835 Emergency Power Supply. The previous qualification testing and certification basis of the product is still applicable.

However, additional qualification testing has been performed in conjunction with MOD 1 changes that support compliance to the latest revision of the Technical Standard Order. The TS835, with MOD 1 incorporated, has been tested and passed RTCA/DO-311 *Minimum Operational Performance Standards for Rechargeable Lithium Battery Systems*. Upon review and approval of the updated qualification testing, the FAA has issued a new Technical Standard Order Authorization for the TS835 series, part numbers MD835-(), according to TSO C179a.

Units manufactured or modified to incorporate MOD 1 shall be marked accordingly, including the updated TSO nomenclature.

OTHER PUBLICATIONS AFFECTED

True Blue Power Installation Manual and Operating Instructions, part number 9016798, Revision H or later, includes information associated with this Service Bulletin.

ACCOMPLISHMENT INSTRUCTIONS

The changes associated with this Service Bulletin are associated only with factory-new or factory-modified product provided by True Blue Power and marked accordingly.