

# Service Bulletin

<b>MODEL(S)</b>	TB20, TB30, TB40, TB60
<b>PART NUMBER(S)</b>	6430020-( ), 6430030-( ), 6430040-( ), 6431060-( )
<b>DESCRIPTION</b>	Advanced Lithium-ion Battery
<b>TOPIC</b>	Modification (“MOD”) 1
<b>PURPOSE</b>	TB40 Chassis Update
<b>RELEASE DATE</b>	December 18, 2020

## APPLICABILITY

This Service Bulletin is applicable to the TBX Series of Advanced Lithium-ion Batteries, part number 6430040-( ), manufactured by Mid-Continent Instrument Co., Inc. (dba True Blue Power). Part numbers 6430020-( ), 6430030-( ), and 6431060-( ) are not affected by this update. This update is only available for TB40 units (6430040-( )) factory built and identified by MOD 1.

## PURPOSE

This modification to the TB40 series includes a hardware change providing improved performance in high vibration environments such as rotary wing and similar applications.

## EFFECTIVITY: VOLUNTARY

Existing TB40 product previously produced and fielded cannot be upgraded with this MOD 1 change as described without refurbishment from the manufacturer.

Following the release date of this Service Bulletin, all TB40 units marked as MOD 1, including those newly manufactured by True Blue Power and marked as such, shall include the changes as described herewith. For consistency throughout the TBX series, TB20, TB30 and TB60 units may also be marked as MOD 1; however, those units are not affected by this update.

## DESCRIPTION

The following list describes the changes incorporated in this TB40 modification.

### ENHANCEMENTS

1. Modification has been made to the TB40 lid to include redesigned hold-down brackets used for mounting the battery.
2. For mounting the TB40 in a rotary wing environment, a Helicopter Mounting Kit (9019576-1) is made available.

### **ESTIMATED MANPOWER**

None. Not available for field update.

### **WEIGHT AND BALANCE**

Change in weight is less than 0.1 lbs. All design documentation associated with the weight remains accurate and within existing tolerances.

### **ELECTRICAL LOAD DATA**

No change

### **CERTIFICATION**

This Service Bulletin represents a minor change to the previously approved Technical Standard Orders Authorization for the TBX series of Advanced Lithium-ion Batteries. With this modification, the TB40 battery has successfully passed RTCA/DO-160G, Section 8, Category U, Curve G vibration levels (for rotary wing).

### **OTHER PUBLICATIONS AFFECTED**

True Blue Power Installation Manual and Operating Instructions, part number 9019288, Revision D or later, includes information associated with this Service Bulletin.

### **ACCOMPLISHMENT INSTRUCTIONS**

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

To consider whether or not previously fielded product may be eligible for factory refurbishment and upgrade to include this modification, Please contact True Blue Power.

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