

Service Bulletin

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| MODEL(S) | TI1202, part of the TI1200 Series |
| PART NUMBER(S) | 6431200-() |
| DESCRIPTION | 1200 VA, DC to AC Static Inverter |
| TOPIC | Modification (“MOD”) 1 |
| PURPOSE | Performance Enhancement |
| RELEASE DATE | March 25, 2019 |

APPLICABILITY

This Service Bulletin is applicable to the model TI1202, part numbers 6431200-3 and 6431200-5, also part of the broader TI1200 model series, manufactured by Mid-Continent Instrument Co., Inc. (dba True Blue Power and Mid-Continent Instruments and Avionics). Units with this modification are available for sale from the manufacturer.

PURPOSE

This service bulletin describes a change to the TI1200 series inverters identified at the product level as Modification (MOD) 1.

EFFECTIVITY

Existing TI1200 units previously produced and fielded cannot be upgraded with these MOD 1 changes. As the modification applies to the series, all TI1200 units may be marked with MOD 1 on the nameplate, but the changes associated with this Service Bulletin will only apply to the TI1202 subset, part numbers 6431200-3 and 6431200-5 (and any versions with a 230VAC output).

Following the release date of this Service Bulletin, all TI1202 inverters manufactured by True Blue Power shall include the improvements as described.

DESCRIPTION

The following describes the changes incorporated in this TI1200 modification.

1. Improved operating margin for 230V units when installed in an output/ground-referenced configuration.

The 6431200-3 and -5 provide 230VAC output. While neither recommended nor prohibited, it is possible to connect the Output Return (Pin D) directly to the airframe ground (also common to the Input Return (Pin C)). Design and manufacturing processes have been updated to improve operating margin and address potential failures when installed in this configuration.

ESTIMATED MANPOWER

None reported. Not available for field update.

APPROVALS

None required

WEIGHT AND BALANCE

No change

ELECTRICAL LOAD DATA

No change

CERTIFICATION

This Service Bulletin represents a minor change and therefore does not affect the previously approved Technical Standard Order Authorization (TSOA) of the TI1200 series.

OTHER PUBLICATIONS AFFECTED

True Blue Power Installation Manual and Operating Instructions, part number 9017680, Revision G or later, includes information associated with this Service Bulletin.

ACCOMPLISHMENT INSTRUCTIONS

The changes associated with this Service Bulletin apply only to 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 upgraded to include this modification, please contact True Blue Power.

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