



Service Manual

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**Power
Generation**

Transfer Switch (1200 Amp)

OTECE (Spec A)

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1 Safety Precautions

This manual includes the following symbols to indicate potentially dangerous conditions. Read the manual carefully and know when these conditions exist. Then, take the necessary steps to protect personnel and the equipment.



DANGER: *This symbol warns of immediate hazards that will result in severe personal injury or death.*



WARNING: *This symbol refers to a hazard or unsafe practice that can result in severe personal injury or death.*



CAUTION: *This symbol refers to a hazard or unsafe practice that can result in personal injury or product or property damage.*

1.1 Electrical Shock and Arc Flash Can Cause Severe Personal Injury or Death

High voltage in transfer switch components presents serious shock hazards that can result in severe personal injury or death. Read and follow these suggestions:

- The Operator **must** always keep the transfer switch cabinet closed and locked.
- Make sure only authorized personnel have the cabinet keys.
- All service and adjustments to the transfer switch **must** be performed only by an electrician or authorized service representative.



NOTE: **Whenever closed transition is used, approval to parallel with the local electric utility must be obtained.**

1.2 General Precautions

Refer to NFPA 70E Standard for Electrical Safety in the Workplace to be sure the proper personal protective equipment (PPE) is worn around this product.

Follow these guidelines while working on or around electrical equipment.

- Place rubber insulated mats on dry wood platforms over metal or concrete floors when working on any electrical equipment.
- Do not wear damp clothing (particularly wet shoes) or allow skin surfaces to be damp when handling any electrical equipment.
- Remove all jewelry when working on electrical equipment.
- Wear safety glasses whenever servicing the transfer switch.
- Do not smoke near the batteries.
- Do not work on this equipment when mentally or physically fatigued, or after consuming alcohol or any drug that makes the operation of equipment unsafe.



WARNING: *Incorrect service or replacement of parts can result in death, severe personal injury, and/or equipment damage. Service personnel must be qualified to perform electrical and/or mechanical service.*

1.3 Utility-To-Utility Applications

If the cabinet must be opened for any reason:

- Remove AC power to the automatic transfer switch. If the instructions require otherwise, use extreme caution due to the danger of shock hazard.

1.4 Utility-To-Generator Set or Generator Set-To-Generator Set Applications

If the cabinet must be opened for any reason:

1. Move the operation selector switch on the generator set to STOP.
2. Disconnect the battery charger.
3. Disconnect the starting batteries of the generator set or sets (remove the ground [-] lead first).
4. Remove AC power to the automatic transfer switch. If the instructions require otherwise, use extreme caution due to the danger of shock hazard.

2 Introduction

2.1 Service Manual

This manual covers models produced under the Cummins® and Cummins Power Generation (CPG) brand names.

This Service Manual provides information necessary for the servicing of the transfer switch(es) identified on the cover of this manual. The transition capabilities of the transfer switch(es) are identified in the following sections.



NOTE: **The Service Manual is intended to be used by a certified Cummins Service professional. The owner/user of the transfer switch must NEVER open the transfer switch door.**

Refer to the schematic and wiring diagram package that was shipped with the transfer switch for specific information about the configuration.

2.2 Model Identification

If the transfer switch ever needs to be serviced, the distributor will need this information in order to properly identify your unit from the many types manufactured:

- Model No. (Product Model)
- Serial No. (Product Serial Number)
- Spec. (Product Specification Letter)

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