GE Service Manual

DS200UPSAG1AGD

1. Description

DS200UPSAG1AGD Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**GE General Electric**
Series	**Mark V**
Part	**Number DS200UPSAG1AGD**
Functional	**Acronym UPSA**
Revision	**Quantity 1 Revision**
Mark	**V Series Grouping Group 1**
Assembly	**Type Normal Assembly**
About	**the DS200UPSAG1AGD**
As	**with any General Electric printed circuit board product offering manufactured for use in the Mark V Turbine Control System Series, this DS200UPSAG1A PCB is equipped with its own set of necessary hardware components and component specifications. The GE EX2000 Power Supply Board DS200UPSAG1A features:**

3. Product Information

DS200UPSAG1AGD Technical Specifications

Manufacturer GE General Electric

Series Mark V

Part Number DS200UPSAG1AGD

Functional Acronym UPSA

Revision Quantity 1 Revision

Mark V Series Grouping Group 1

Assembly Type Normal Assembly

About the DS200UPSAG1AGD

As with any General Electric printed circuit board product offering manufactured for use in the Mark V Turbine Control System Series, this DS200UPSAG1A PCB is equipped with its own set of necessary hardware components and component specifications. The GE EX2000 Power Supply Board DS200UPSAG1A features:

one reset button

3 fuses

1 LED

3 9-pin connectors

multiple capacitors

The 3 fuses on the GE EX2000 Power Supply Board DS200UPSAG1A are designed to protect the components on the board from damage caused by an over-current condition. That is, if an irregular current or over current is present in the board, a fuse or multiple fuses will blow and shutdown the circuit protected by the fuse. It is a simple task to check the fuses in the assembly of this DS200UPSAG1A EX2000 PCB to see if any are blown. However, it is important to note that each fuse connector must have a fuse installed that is the proper rating. Refer to the instructions shipped with the original board from the factory to learn the proper rating fuse to use with each connector. To remove a fuse, pull the fuse out of the connector. To install a fuse, press the fuse into the connector.

DS200UPSAG1AGD Capacitors and Part Number

The GE EX2000 Power Supply Board DS200UPSAG1A is populated with several capacitors that during normal processing store high-voltage current and release it. During most conditions the operator is unaware of the cycle and the high voltage poses no risk. However, when the board is being replaced, the capacitors on the defective board might have stored high-voltage current. The high-voltage current exits the capacitors in 30 seconds after power is removed. For that reason, before you touch the board, wait 30 seconds for all current to exit the board. There are many hardware traits specific to this DS200UPSAG1A EX2000 Power Supply Board discoverable through use of its DS200UPSAG1A functional product number. Some of the other DS200UPSAG1A board-specific information revealed through an analysis of this product number includes this DS200UPSAG1A PCB's:

Normal style of Mark V Series assembly

Domestic location of original manufacture

UPSA functional product abbreviation

Mark V Series group one series grouping

A-rated functional product revision

Specifications

Part Number: DS200UPSAG1AGD

Manufacturer: General Electric

Series: Mark V

Function: LAN Circuit Board

Description

The DS200UPSAG1AGD is a UC200 Power Supply Board designed for the GE Speedtronic Mark V gas turbine control systems.

Components and Features

Hardware: The board includes one reset button, three fuses, one LED, three 9-pin connectors, and numerous capacitors and test points.

Protection: The three fuses are designed to protect the board's components from damage caused by over-current.

Capacitor Function: The board features numerous capacitors used to store and release high-voltage current during normal operation.

Safety Note

While operators are generally unaware of the cycle and the high voltage poses little risk during normal use, capacitors on a damaged board may retain a charge.

After the power is turned off, the high-voltage current will dissipate from the capacitors after 30 seconds.