

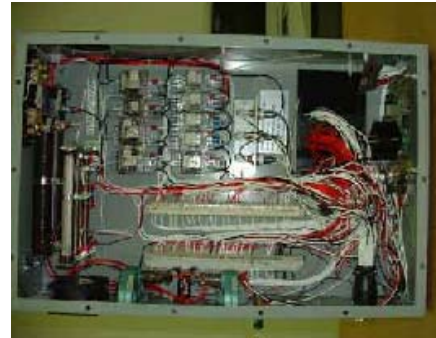
UMATE IIA - FUNCTIONAL TEST SYSTEM



UMATE IIA Test System



UUT Adapter



UUT Adapter Wiring

Umate IIA is a functional test station used to evaluate generators from airplanes that have been returned for repair. It is capable of producing variable AC and DC voltages allowing for multiple test environments and conditions. The system self test and unit under test calibration provide consistent performance and accurate results.

SYSTEM HARDWARE

- 2 AC variable power supplies
- 5 DC variable power supplies
- 4 Load Banks
- 2 Function Generators
- Timer/Counter
- Digital Multimeter
- Digital Oscilloscope
- Virginia Panel Interface ICA
- VXI chassis
- Self test adapter
- 4 custom Unit Under Test (UUT) adapters

SYSTEM SOFTWARE

- User interface and component controls
- Open and closed loop functional testing
- Unit under test calibration
- System runs on Windows XP operating system

SYSTEM FUNCTIONS

- System self test using self test adapter
- Open looped testing of field return units
- Closed looped testing of field return units
- Calibration of units under test

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