

SIMULATOR TECHNICIAN

Summary

Experienced Electronic Technician with extensive knowledge in A/C and D/C theory and troubleshooting skills and technique. Avionics specialist in theory of operation and repairs.

Highlights

- AC/DC power and control systems
- Electro-mechanical proficiency
- Digital circuitry
- Branch circuit wiring
- Sub-panel installation
- Excellent written and verbal communication skills
- Superior troubleshooting skills
- Test equipment operation
- Diagnostic testing

Accomplishments

Electrical Wiring

- Worked to meet current FAA electrical codes and company guidelines.
- Installed wiring and electrical appliances for commercial and military aircraft with a 40% ahead-of-schedule rate.
- Scheduled and tracked all repairs.
- Supervised team of three staff members.
- Mounted assembled components on circuit board at a rate of 100 per shift.
- Served as an expert in troubleshooting and repairing state-of-the-art electrical and electronic systems.

Experience

Simulator technician

April 2013 to May 2014 Company Name i¼ City , State

- Flight instruments Installation and repair.
- Installing avionics LRU's and Flight gauges on flight line.
- Interpretation of blueprints and schematics.
- Installation of Avionics equipment.(AFCS, HSI, ADI, HUD, ETC..) Theory of operation of Avionics systems and Test sets.
- Installation of harnesses in aircraft.
- Completing modifications and upgrades.
- Rewiring cannon plugs.
- Cockpit experience on citation 2,3,7, citation Excel, citation ultra bravo, CRJ 700-900, UH-60, CH-47, 737, Gulfstream 3-5, Lear 31A, King air 350, Beach jet 400, Global express.
- Verified that all required information was readily available and displayed correctly.
- Tacked maintenance actions and completed records.
- Ran cycle checks of electromechanical systems consisting of multiple integrated circuits.
- Constructed and tested electronic circuits and installed point-to-point wire harnesses and connectors.
- Aligned and tuned complicated inter-related circuits and electromechanical systems.

Avionics technician

January 2012 to January 2013 Company Name i¼ City , State

- Maintained CRJ-700,900 IAW FAA standards and procedures.
- Repaired and replaced Avionics equipment as required for proper functionality of aircraft.
- Trained for A&P license under supervision.
- Prepared equipment for all operations.
- Verified that all required information was readily available and displayed correctly.
- Tacked maintenance actions and completed records.
- Aligned and tuned complicated inter-related circuits and electromechanical systems.
- Constructed and tested electronic circuits and installed point-to-point wire harnesses and connectors.
- Tested and repaired electric motors, variable frequency drives, alarms and control systems.
- Interpreted electrical and mechanical schematics, blueprints and diagrams.
- Diagnosed equipment malfunctions and completed repairs to restore equipment and maintain uptime.

Entry Avionics mechanic

January 2007 to January 2008 Company Name i¼ City , State

- Wire Stamping and Cannon plug Termination and routing.
- Installation of wire bundles and termination of grounding blocks.
- Boeing 737, Airbus A320.
- Interpreted electrical and mechanical schematics, blueprints and diagrams.
- Implemented vast knowledge of electronics principles to resolve complex electrical problems.
- Repaired electrical equipment using hand and power tools and testing and diagnostic equipment.

- Collaborated with engineering staff on testing of prototypes and modified instruments.
- Verified that all equipment was certified and met regulatory requirements.

Avionics shift supervisor, Avionics technician

January 2006 to January 2012 Company Name i¼ City , State

- Avionics flight line repairs and modifications on CH-47 chinooks and UH-60 blackhawks.
- Avionics maintenance supervisor OIF 2009.
- Interpreted electrical and mechanical schematics, blueprints and diagrams.
- Diagnosed equipment malfunctions and completed repairs to restore equipment and maintain uptime.
- Implemented vast knowledge of electronics principles to resolve complex electrical problems.
- Repaired electrical equipment using hand and power tools and testing and diagnostic equipment.
- Repaired and tested microwave amplifiers and transmission lines, high-voltage power supplies, displays and antenna positioning systems.
- Maintained accurate electronic and instrument inventory to support safe and efficient operation.
- Performed monthly, semi-annual and annual Preventive Maintenance Checks and Services (PMCS).
- Installed all electrical wiring during remodeling projects.
- Trained maintenance journeymen electricians and electrical apprentices.
- Trained and instructed subordinates and supported units on Military Avionics Equipment.
- Supervised operation and organizational maintenance of systems and specialized equipment.

Education

GED : 2005 T.C.C South Campus i¼ City , State , USA GPA: GPA: 3.0

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Electronics Troubleshooting Diploma : Avionics Electrical Technician , 2007 Army Aviation School of Logistics i¼ City , State , USA

Minor in Avionics Operation and Theory and electronic troubleshooting.

3.0 GPA

Coursework in A/C And D/C Emphasis on Theory and troubleshooting and Professional Training.

Associate of Science : Avionics Maintenance technology , 2011 Spartan College of Aeronautics i¼ City , State , USA

Member of AEA Club

3.2 GPA

Perfect Attendance Academic Achievement Award

AEA Wiring Academic Achievement Award

FAA Corrosion Control Academic Achievement Award

Coursework in Avionics Maintenance Technology

Coursework in Meteorology, Air Traffic Regulations and Air Navigation

Conduit Bending course

Coursework in High-Voltage Cable Splicing, Qualified Rigging and Signaling

Coursework in DC Electricity, AC Electricity and Electronics Theory

Diploma in Electric Technology

Skills

Wiring Troubleshooting, Army Ethos and Structure, Basic forms Interpretation, logistics, Excel, Electronic Component repairs, Wire routing, Interpretation of schematics, Soldering, supervisor Skills, Service and Field Technician Skills , Test Equipment Operation , troubleshooting, Electrical upgrades, Wiring Diagnostics and Repair.