1. Performed acceptance testing and measurements on electronic components and assemblies to verify system compliance.
2. Improved production by studying and applying build and test applications.
3. Fixed circuit boards and wire harness problems using schematics, wiring diagrams and testing instruments.
4. Reviewed and interpreted technical documents, including service manuals, specifications, wiring diagrams and blueprints.
5. Assembled electrical and electronic systems and prototypes according to engineering data and knowledge of electrical principles, using hand tools and measuring instruments.
6. Inspected completed [Type] products for functionality and quality, alerting supervisors of repeat issues and seeking out root causes.
7. Conducted semi-routine electronic testing, chronicled data and provided detailed reports to engineering team.
8. Designed and constructed new equipment to meet engineering experiment requirements.
9. Used diagnostic and testing processes in collaboration with product engineers to identify, define and solve development issues.
10. Tested various types of [Type] equipment using microscopes, oscilloscopes, multi-meters, voltage calibrators, spectrum analyzers and other laboratory instruments.
11. Procured parts and maintained inventory and related documentation.
12. Completed proactive maintenance and repair actions to keep equipment operating at peak levels.
13. Educated equipment operators on proper use of equipment.
14. Maintained system logs or manuals to document testing or operation of equipment.
15. Used information in technical diagrams, schematics and manuals to understand operations and make successful repairs.
16. Led research, development and implementation of [Type], [Type] and [Type] projects.
17. Responded to problems with processing and production equipment and completed timely repairs.
18. Developed circuitry and board designs used in [Type], [Type] and [Type] applications.
19. Revamped systems and upgraded wiring, PLCs and drives to handle changing needs.
20. Inspected systems, diagnosed problems and developed optimal solutions.