

Electrician – General (15006990)

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PRIMARY FUNCTION:

Troubleshoot and determine cause of equipment failure and malfunction and repair, modify, install, and maintain electrical circuits, components and systems on machine tools, cranes, elevators, alarms, transformers, controls, and high voltage cables and equipment.

TOOLS AND EQUIPMENT:

Insulated pliers, screwdrivers, wrench hammer, etc. Electrical testing equipment such as oscilloscopes, digital meters, tachometers, brush recorder, VTVM, multi-meters, capacitors testers, and solid state analyzer. Test lamp, power factor meter, KW meters, meggers, dielectric testing equipment, cable pulling equipment, battery tester, etc. Conduit bender, ladder, safety belt, glasses, padlocks, hard hat, etc.

MATERIAL:

Printed circuit boards, servo-valves, synchro systems, speed variators, feedback amplifiers, electro-hydraulically/pneumatic controlled automatic equipment, AC & DC servo positioners. Conduit, wire, cable, tape, light fixtures, bulbs, distilled water, etc. Various electrical replacement parts.

WORKING PROCEDURE:

The following are the usual major job duties but this job description does not preclude the performance of other duty assignments given by management.

1. Receive direction from supervision.
2. Read and follow safety regulations, work authorizations, specifications and service manuals.
3. Install new/used fabrication equipment and stations as directed.
4. Diagnose and determine cause of equipment issues, component and system failures and malfunctions and identify defective parts. Utilize Manufacturers Manuals, schematics, calls to service centers, and other trouble shooting as necessary. Use special test equipment as required.
5. Troubleshoot both electrical and mechanical issues on equipment and repair using various tools and equipment.
6. Plan the sequence of operations and methods to be used for complete and/or partial repair, rebuilding/ replacement and adjust a variety of fabrication equipment for optimum performance.
7. Maintain, manage, and order consumables and spare parts for Fabrication Equipment and machines
8. Install gas burners and make adjustment to ensure smooth welding operations¹.
9. Replace, repair, splice, and install pneumatic hoses, gas lines, and conduits
10. Operate welding equipment and use carbon arc, etc., to determine machine performance.
11. Perform Preventive Maintenance on equipment as described by Manufacturer, such as blowing out filters, replacing fluids, changing consumables, lubricating fabrication equipment, and other activities.

Be able to operate a fork lift, overhead cranes, boom lifts and scissor lifts as necessary.

This is Union represented position.

Basic qualifications:

Minimum of 5 years of experience in manufacturing and/or machine shop industry

Current CA- Certified General Electrician

Ability to read and interpret blue prints

High School Diploma/GED/High School Equivalent Experience

Preferred Qualifications:

Medium and/or High Voltage Experience

Direct Navy Maintenance Experience