



## Streetcar Maintenance Technician, DC Streetcar

<b>Job Title:</b>	Streetcar Maintenance Technician
<b>FLSA Code:</b>	Non-Exempt
<b>Minimum Education Level &amp; Type:</b>	High School Diploma; Electronics Technician Certificate or Equivalent
<b>Minimum Experience Qualifications:</b>	2 years in related field

### Job Summary

This position performs maintenance activities in support of DC Streetcar. The responsibility of this classification includes independently performing - under general supervision - skilled electrical/electronic and mechanical work to diagnose, maintain, repair, rebuild, overhaul, service, inspect, and test streetcar transit vehicles and equipment and their electronic systems and equipment; he/she also performs testing and repair of communications systems, security equipment, and other related equipment. Employees in this classification must be able to work independently and unsupervised for extended periods of time.

This description is not intended to limit or in any way modify the right of management to assign, direct and control the work of employees under supervision. The listing of duties and responsibilities shall not be held to exclude other duties not mentioned that are of similar kind or level of difficulty. They are intended to describe the general nature and level of work being performed by individuals assigned to this position.

### Maintenance Technician Responsibilities

- Performs safety and preventive maintenance inspections of vehicles, systems, and equipment.
- Documents defects, maintenance and repairs.
- Tests, maintains, repairs, and overhauls streetcar vehicle electrical, electronic and mechanical systems and equipment in accordance with schematic drawings, wiring diagrams, operations manuals and manufacturer instructions.
- Operates and maintains shop equipment and tools.
- Makes time and material cost estimates and maintains records.
- Performs re-railing of equipment.
- Repairs, replaces, or modifies electronic and electrical components and defective parts for a variety of equipment and systems controls.
- Troubleshoots analog and solid-state electronic systems.
- Installs special electronic testing systems; installs communication devices on cars.
- Services and maintains microprocessor control systems.
- Inspects new microprocessor and solid-state systems installed by contractors.
- Calibrates and repairs test equipment.

- Maintains parts inventory and computer inventory records.
- Operates computers for testing, diagnosing, fault log management, and related data input and retrieval.
- Maintains a safe and clean shop and work area.
- Prepares various activity and status reports, documents defects and repairs on inspection forms, work orders, or designated computer programs.
- May be assigned Lead duties.
- Performs related work as required.
- Must be available to work weekends, holidays and evening hours.
- Performs other duties as assigned.

### **Maintenance Technician Requirements**

- Minimum 2 years' in related field or journey-level electromechanical experience
- Prefer Certificate of completion in Electronics from an accredited trade or vocation school in addition to 2 years journey level electromechanical experience OR 4 years' journey-level experience as an electromechanical/electronic technician performing repair, maintenance and troubleshooting.
- Must possess a valid District of Columbia, Maryland, or Virginia State Driver's License.
- Must have a personal toolbox before hire and maintain toolbox on-site with general specific tools. (list provided)
- Must be able to use basic fabrication equipment.
- Working knowledge of AC/DC systems, operating principles of analog and digital electronics, electronic control circuitry and associated mechanical systems, heating, lighting, air conditioning, motors, brakes and related systems.
- Working knowledge of operating and preventive maintenance requirements found on electric transit vehicles, machinery, tools, and equipment.
- Working knowledge of testing and inspection methods, solid state circuitry diagnostic and repair techniques and procedures.
- Willing to cross-train to perform tasks associated with Signals, Communications, Overhead Contact System, Traction Power and Track.
- Knowledge of mechanical principals, repair methods, standards, and practices.
- Knowledge of test equipment and tools needed for the repair, maintenance, and installation of mechanical, electronic and electrical systems and equipment.
- Knowledge of theory and principles of advanced analog, electronic and electrical equipment and circuits.
- Knowledge of general shop safety procedures.
- Oral and written communication skills- able to read and follow directions given in oral or written form; able to effectively read, understand, and use technical information found in repair manuals, service change bulletins, and applicable technical documents, including parts and supply manuals.
- Problem-solving & analytical skills.
- Skill in performing maintenance, repair, troubleshooting, rebuilding, overhauling, and safety/preventive maintenance inspections.
- Skills required for performing overhaul of electrical and mechanical systems involving such systems as trucks, wheels, brakes, air conditioning, doors, and other systems found on light rail vehicles.
- Skill in analyzing malfunctions in electrical/electronic transit equipment and determining repair requirements.

- Skill in performing electronic fabrication and assembly tasks, such as soldering and wire harnessing.
- Skills in making time and material cost estimates and keep accurate records.
- Skills in implementing preventive maintenance and safety inspection procedures.
- Skills in using test and shop equipment and tools, parts and supply manuals.
- Able to operate portable test equipment and bench type workstation.
- Able to operate Windows-based computer software, including file structure and naming conversions.
- Able to meet established deadlines.
- Able to learn and stay current on all new technologies introduced into the transit industries as it relates to light rail vehicle maintenance.
- Skills in familiarizing other Electro-Mechanics and other classifications in the proper method of performing their job.
- Skills in establishing and maintaining cooperative working relationships with those contacted in the course of business.
- Skills in reading and interpreting blueprints, maintenance manuals, schematics, construction drawings, and specifications.
- Skills in learning operating system languages as required.
- Skills in preparing written reports, documenting defects and repairs on inspection forms, work orders, or designated computer programs.

### Key Competencies

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| <b>Critical</b>       | <ul style="list-style-type: none"> <li>▪ Accountability</li> <li>▪ Decision Making</li> <li>▪ Trust &amp; Credibility</li> <li>▪ Communications</li> </ul>                       |
| <b>Very Important</b> | <ul style="list-style-type: none"> <li>▪ Customer &amp; Community Service</li> <li>▪ Expertise &amp; Technical Knowledge</li> <li>▪ Safety</li> <li>▪ Approachability</li> </ul> |
| <b>Important</b>      | <ul style="list-style-type: none"> <li>▪ Build Talent</li> <li>▪ Visionary</li> <li>▪ Results Driven</li> </ul>  |

### Physical Demands and Working Environment

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable individuals with disabilities to perform the essential functions.

- Environment: Office and field environment; exposure to noise, smoke, fumes, and all types of weather and temperature conditions; work around moving vehicles; work irregular work hours including holidays and weekends; work independently with a minimum of breaks, refrain from smoking per ordinances and rules.
- Physical: Primary functions require sufficient physical ability to work in an office and field environment; walk, stand, and sit for prolonged periods of time; frequently stoop, bend, kneel, crouch, reach, and twist; push, pull, lift, and/or carry moderate to heavy amounts of weights;

operate assigned equipment and vehicles; ability to verbally communicate to exchange information.

- Vision: See in the normal visual range with or without correction; vision sufficient to distinguish colors, read computer screens and printed documents, and to operate assigned equipment.
- Hearing: Hear in the normal audio range with or without correction.
- Must be able to work from elevated structures.
- Positions in this classification are considered safety sensitive under Federal Transit Administration (FTA) drug and alcohol regulations and are subject to pre-employment and random testing.

### Driving Requirements

The following information pertains to driving requirements for this classification with DC Streetcar. Under "Driving Level" None, Secondary or Primary, refers to the driving responsibility as it relates to the essential functions of the classification. License Type is just that, the type of District of Columbia, Maryland, or Virginia Driving License required for the classification. If the position requires a Commercial Driver's License (CDL), the endorsements will be listed under "Endorsements." Under Safety Sensitive a "Yes" means employees with this classification are subject to drug and alcohol testing as defined by the Federal Transit Administration and DC Streetcar. License Type A, B, C, D, or M may require the use of personal or DC Streetcar vehicles on company business. Individuals must be physically capable of operating the vehicles safely, possess a valid license and have an acceptable driving record. Use of a personal vehicle for DC Streetcar business will be prohibited if the employee is not authorized to drive a DC Streetcar vehicle or if the employee does not have personal insurance coverage. Exceptions to classification driving requirements may exist based on position.

<b>Driving Level:</b>	Valid District of Columbia, Maryland, or Virginia State Driver License
<b>License Type:</b>	D-Driver
<b>CDL Endorsements:</b>	None
<b>Safety Sensitive:</b>	Yes
<b>Pre-employment Medical Testing Required:</b>	Yes
<b>Certification Requirements:</b>	Forklift Certification; Streetcar Operator Certification

### Disclaimer:

This job specification is not to be construed as an exhaustive statement of duties, responsibilities, or requirements. Employees may be required to perform any other job-related instructions as requested by their supervisor.

### IF INTERESTED IN THE POSITION:

Please contact [moreillypol@themidtowngroup.com](mailto:moreillypol@themidtowngroup.com) with your name, contact info, and résumé.