

**ELECTRICIAN (AUTOMOBILE)**

**General Statement of Duties and Responsibilities**

Under supervision, maintains, troubleshoots, repairs, replaces and rewires automotive electrical and electronic systems; performs related work.

**Examples of Typical Tasks**

Maintains, repairs, replaces and tests alternators, cranking motors, distributors, magnetos, generator control units, alternating systems and rectifiers, and all other electrical and electronic equipment found on automotive vehicles.

Rewires and repairs automotive electrical and electronic systems.

Acts as a troubleshooter in determining electrical defects in the electrical and electronic systems in automotive equipment.

Uses all electrical testing and shop devices.

Reads wiring diagrams and service manuals.

Designs schematics and wiring diagrams of automotive electrical and electronic systems.

Transmits orders to other journeymen as directed.

Supervises and trains assigned subordinates in the performance of various maintenance and/or repair tasks.

**ELECTRICIAN (AUTOMOBILE)** (continued)

**Examples of Typical Tasks** (continued)

Prepares reports and orders; maintains records and inventories of supplies and materials.

Operates motor vehicles or equipment in the performance of assigned duties.

**Qualification Requirements**

1. Five years of satisfactory full-time experience as an automotive electrician or aviation electrician; or
2. At least three years of experience as described in "1" above, plus sufficient training of a relevant nature, specializing in automotive electrical and electronic systems, acquired in an approved full-time trade or technical school or vocational high school. Six months of acceptable experience will be credited for each year of approved full-time trade or technical or vocational high school. Less than a full year of helper or apprentice experience, or relevant education, will receive prorated credit.

**License Requirement**

At the time of appointment candidates must possess a Motor Vehicle Driver License valid in the State of New York. This license must be maintained for the duration of employment.

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THE SKILLED CRAFTSMAN AND  
OPERATIVE SERVICE [038]

CODE NO. 91719

**ELECTRICIAN (AUTOMOBILE)** (continued)

**Direct Lines of Promotion**

**From:** None

**To:** Supervisor of Mechanics  
(Mechanical Equipment)  
(92575)