Job Title: Service Engineer I - 90073561 - Long Island City

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Amtrak connects businesses and communities across the country and we move America's workforce toward the future. We employ more than 20,000 diverse, energetic professionals in a variety of career fields throughout the United States. The safety of our passengers, our employees, the public and our operating environment is our priority and the success of our railroad is the result of our employees.

Are you ready to join our team?

SUMMARY OF DUTIES:
• The Service Engineer applies electrical and/or mechanical expertise to troubleshoot and test the systems and equipment related to the Acela High Speed Trainsets.
• Leads and directs system and equipment repairs with HSR Technicians and provides troubleshooting training to HSR Technicians on various trainset systems.

ESSENTIAL FUNCTIONS:
• Operates the on-board diagnostic monitoring system of the trainset.
• Diagnoses cause of electronic, electrical, mechanical, hydraulic and pneumatic systems malfunction or failure of the control equipment and its components in the trainsets using knowledge of trainsets, technical manuals, and troubleshooting instruments.
• Troubleshoots malfunctions related to the equipment and proposes solutions or modifications to avoid future failures by working with the Maintenance Engineering Department.
• Plans, directs and records periodic testing of trainsets and major systems. Analyzes and interprets data developed during the periodic testing and daily maintenance download reviews.
• Documents malfunctions and performs analyses for management on equipment reliability and service issues.
• Trains HSR technicians in proper troubleshooting techniques and demonstrates maintenance and repair procedures to HSR technicians.
• May ride trains on a regular basis to determine en-route performance of control/mechanical systems and to assess dynamic state of system repairs.

WORK EXPERIENCE:
• Bachelor’s Degree in Engineering or Engineering Technology or Bachelor of Science degree and demonstrated railroad work experience.
• Ability to troubleshoot, read schematics, interpret technical documents and instructions.
• Ability to define problems, collect data and draw valid conclusions.
• Must possess problem solving and analytical skills.
• Demonstrated experience troubleshooting electrical, electronic and/or mechanical, hydraulic and pneumatic systems using computerized diagnostic equipment.
• Must be able to read schematics, interpret technical documents and instructions.
• Ability to train others.

PREFERRED:
• Knowledge of high voltage electrical systems.
• Knowledge of FRA, FDA, and AAR Standards and Regulations.

COMMUNICATION AND INTERPERSONAL SKILLS: Must have excellent oral and written communication skills.
SUPERVISORY RESPONSIBILITIES: None

Requisition ID: 9006
Posting Location(s): New York
Job Family/Function: Mechanical
Relocation Offered: No
Education Requirements: Bachelors Degree
Travel Requirements: Up to 25%
Employment Experience Requirements: 5 - 7 years of experience

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We proudly support and encourage U.S. Veterans to apply for Amtrak job opportunities.

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POSTING NOTES: Mechanical / Mechanical