



## REFRIGERATION MECHANIC

**Job Title:** Refrigeration Mechanic  
**Department:** 600 - Service  
**Full-Time or Part-Time:** Full-time  
**Reporting:** Service Manager  
**Status:** Non-Exempt

### SUMMARY

A refrigeration mechanic is chiefly responsible for the maintenance and repair of refrigeration systems in commercial trucks. This type of work involves the use of special equipment and tools to install the refrigeration system, following manufacturer instructions, drawings and management direction. Refrigerator components must be connected to power sources, ducts and refrigerant lines. After installing these components, the refrigeration technician tests the unit to ensure that it is functioning properly.

### ESSENTIAL DUTIES AND RESPONSIBILITIES

1. Follows all company and department policies and procedures.
2. Assembles structural and functional components of the trucking refrigeration systems, using hand tools, power tools and welding equipment.
3. Lifts and aligns refrigeration components into position using hoists, blocks and tools.
4. Drills holes and installs mountings, brackets, hangers, motors and fans into trucks and trailers.
5. Brazes or solders part to repair defective joints and leaks. Inspects and tests lines, components and connections for leaks.
6. Observes and tests system operations using gauges and instruments.
7. Dismantles malfunctioning systems and tests components using mechanical and pneumatic testing equipment.
8. Adjusts and replaces worn or defective mechanisms and parts and reassembles repaired systems.
9. Reads drawings to determine location, size, capacity and type of components needed to build and rebuild refrigeration systems.
10. Installs wiring to connect components to an electric power source.
11. Performs mechanical overhauls and refrigeration reclaiming.
12. Inspects equipment, structures or materials to identify the cause of errors, problems, defects and malfunctions.
13. Adjusts valves according to specifications and charge systems with proper type of refrigerants and pumps specified gases or fluids into systems.
14. Mounts compressors, condensers and other components in specified locations using hand tools and welding equipment.
15. Services, repairs, calibrates, regulates, fine-tunes and tests equipment and devices for equipment to ensure proper and accurate function.
16. Complies with established security and safety policies and procedures.
17. Performs other duties, including special projects, as needed and directed.
18. Flexible scheduling including but not limited to weekends, evenings and holidays.
19. Technicians will be available to operate service trucks of various sizes on either a full time or call out basis. This could involve obtaining a Commercial Drivers License.
20. Available for period after hours calls with the ability to properly invoice customers for time worked and work performed.

### **Supervisory Responsibilities**

1. Not applicable

### **Qualifications**

1. Communicates effectively verbally and in writing with management, coworkers and vendors.
2. Develops constructive and cooperative working relationships with coworkers and management.
3. Actively listens with full attention to what customers are saying, takes time to understand the request or directive being made. Asks appropriate questions and does not interrupt at inappropriate times.
4. Analyses information and evaluates results to choose the best solution to solve problems.
5. Maintains up dated technical knowledge of refrigeration systems.
6. Asks appropriate questions and does not interrupt at inappropriate times.
7. Stays current on manufacturer service bulletins, policies and procedures.

### **Education**

1. Knowledge of the practical application of engineering technology as application to refrigeration systems.
2. Knowledge of safety methods in working with hazardous waste materials and maintaining a safe work environment.
3. Knowledge of relevant equipment, policies, procedures and strategies to promote safe and secure technical operations within the refrigeration field.
4. Knowledge of materials, methods and tools involved in the construction and repair of refrigeration systems.
5. Knowledge of principles and repair methods of refrigeration systems.
6. National Recycling and Emission Reduction Program Certification, Section 608 of Title VI of the Clear Air Act of 1970.
7. Servicing of Motor Vehicle Air Conditioners Certification, Section 609 of Title VI of the Clean Air Act of 1970.
8. Carrier Transicold Container Refrigeration Training.
9. Knowledge of refrigeration parts warranty coverages.
10. Computer skills for technical information, controller operation and programing, along with the ability to analyze downloaded data.
11. One to three years of refrigeration technician experience, preferred.
12. Minimum of a high school diploma or General Education Development (GED).

### **Physicality**

1. Performs physical work activities that require considerable use of arms, legs and moving the entire body.
2. Such movement includes climbing, lifting, balancing, walking, stooping and handling of chemicals and materials.

### **Work Environment**

1. Performs work in garage environment along with the weather associated with working outdoors.
2. This environment includes extremes in temperature, loud noises and strong fumes from exhaust, chemicals and gases.

### **Signatory Authority:**

1. Not applicable

### **Restricted Access:**

1. Not applicable

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