



Summary Report for:

49-9094.00 - Locksmiths and Safe Repairers

Repair and open locks; make keys; change locks and safe combinations; and install and repair safes.

Sample of reported job titles: Locksmith, Lock Technician, Certified Master Locksmith (CML), Service Technician, Certified Master Safecracker (CMS), Forensic Locksmith, Road Service Locksmith, Safe Technician, Certified Master Safe Technician (CMST), Certified Registered Locksmith (CRL)

View report:

[Tasks](#) | [Knowledge](#) | [Skills](#) | [Abilities](#) | [Work Activities](#) | [Work Context](#) | [Job Zone](#) | [Education](#) | [Interests](#) | [Work Styles](#) | [Work Values](#) | [Related Occupations](#) | [Wages & Employment](#)

Tasks

- Cut new or duplicate keys, using keycutting machines.
- Cut new or duplicate keys using impressions or code key machines.
- Disassemble mechanical or electrical locking devices, and repair or replace worn tumblers, springs, and other parts, using hand tools.
- Keep records of company locks and keys.
- Set up and maintain master key systems.
- Insert new or repaired tumblers into locks to change combinations.
- Install door hardware such as locks and closers.
- Open safe locks by drilling.
- Move picklocks in cylinders to open door locks without keys.
- Install alarm and electronic access systems.

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[back to top](#)

Knowledge

Public Safety and Security — Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.

Customer and Personal Service — Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

Mechanical — Knowledge of machines and tools, including their designs, uses, repair, and maintenance.

Law and Government — Knowledge of laws, legal codes, court procedures, precedents, government regulations, executive orders, agency rules, and the democratic political process.

Sales and Marketing — Knowledge of principles and methods for showing, promoting, and selling products or services. This includes marketing strategy and tactics, product demonstration, sales techniques, and sales control systems.

English Language — Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Computers and Electronics — Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

Mathematics — Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.

[back to top](#)

Skills

Repairing — Repairing machines or systems using the needed tools.

Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Speaking — Talking to others to convey information effectively.

Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Equipment Maintenance — Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.

Time Management — Managing one's own time and the time of others.

Judgment and Decision Making — Considering the relative costs and benefits of potential actions to choose the most appropriate one.

Troubleshooting — Determining causes of operating errors and deciding what to do about it.

Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.

Operation and Control — Controlling operations of equipment or systems.

[back to top](#)

Abilities

Arm-Hand Steadiness — The ability to keep your hand and arm steady while moving your arm or while holding your arm and hand in one position.

Near Vision — The ability to see details at close range (within a few feet of the observer).

Control Precision — The ability to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.

Oral Comprehension — The ability to listen to and understand information and ideas presented through spoken words and sentences.

Oral Expression — The ability to communicate information and ideas in speaking so others will understand.

Deductive Reasoning — The ability to apply general rules to specific problems to produce answers that make sense.

Finger Dexterity — The ability to make precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.

Information Ordering — The ability to arrange things or actions in a certain order or pattern according to a specific rule or set of rules (e.g., patterns of numbers, letters, words, pictures, mathematical operations).

Manual Dexterity — The ability to quickly move your hand, your hand together with your arm, or your two hands to grasp, manipulate, or assemble objects.

Multilimb Coordination — The ability to coordinate two or more limbs (for example, two arms, two legs, or one leg and one arm) while sitting, standing, or lying down. It does not involve performing the activities while the whole body is in motion.

[back to top](#)

Work Activities

Getting Information — Observing, receiving, and otherwise obtaining information from all relevant sources.

Performing for or Working Directly with the Public — Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.

Making Decisions and Solving Problems — Analyzing information and evaluating results to choose the best solution and solve problems.

Updating and Using Relevant Knowledge — Keeping up-to-date technically and applying new knowledge to your job.

Handling and Moving Objects — Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

Evaluating Information to Determine Compliance with Standards — Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.

Identifying Objects, Actions, and Events — Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.

Communicating with Persons Outside Organization — Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources. This information can be exchanged in person, in writing, or by telephone or e-mail.

Repairing and Maintaining Mechanical Equipment — Servicing, repairing, adjusting, and testing machines, devices, moving parts, and equipment that operate primarily on the basis of mechanical (not electronic) principles.

Controlling Machines and Processes — Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

VIEWED 05/25/2012

[back to top](#)

Work Context

Telephone — How often do you have telephone conversations in this job?

Face-to-Face Discussions — How often do you have to have face-to-face discussions with individuals or teams in this job?

In an Enclosed Vehicle or Equipment — How often does this job require working in a closed vehicle or equipment (e.g., car)?

Outdoors, Exposed to Weather — How often does this job require working outdoors, exposed to all weather conditions?

Contact With Others — How much does this job require the worker to be in contact with others (face-to-face, by telephone, or otherwise) in order to perform it?

Freedom to Make Decisions — How much decision making freedom, without supervision, does the job offer?

Frequency of Decision Making — How frequently is the worker required to make decisions that affect other people, the financial resources, and/or the image and reputation of the organization?

Importance of Being Exact or Accurate — How important is being very exact or highly accurate in performing this job?

Spend Time Using Your Hands to Handle, Control, or Feel Objects, Tools, or Controls — How much does this job require using your hands to handle, control, or feel objects, tools or controls?

Deal With External Customers — How important is it to work with external customers or the public in this job?

[back to top](#)

Job Zone

Title Job Zone Two: Some Preparation Needed

Education These occupations usually require a high school diploma.

Related Experience Some previous work-related skill, knowledge, or experience is usually needed. For example, a teller would benefit from experience working directly with the public.

Job Training Employees in these occupations need anywhere from a few months to one year of working with experienced employees. A recognized apprenticeship program may be associated with these occupations.

Job Zone Examples These occupations often involve using your knowledge and skills to help others. Examples include sheet metal workers, forest fire fighters, customer service representatives, physical therapist aides, salespersons (retail), and tellers.

SVP Range (4.0 to < 6.0)

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There are 2 recognized apprenticeable specialties associated with this occupation:

Locksmith; Safe-and-Vault Service Mechanic

To learn about specific apprenticeship opportunities, please consult the U.S. Department of Labor [State Apprenticeship Information](#) website.

For general information about apprenticeships, training, and partnerships with business, visit the U.S. Department of Labor [Office of Apprenticeship](#) website.

[back to top](#)

Education

[back to top](#)

Interests

Interest code: RC

Realistic — Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions. They often deal with plants,

animals, and real-world materials like wood, tools, and machinery. Many of the occupations require working outside, and do not involve a lot of paperwork or working closely with others.

Conventional — Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas. Usually there is a clear line of authority to follow.

[back to top](#)

Work Styles

Integrity — Job requires being honest and ethical.

Attention to Detail — Job requires being careful about detail and thorough in completing work tasks.

Dependability — Job requires being reliable, responsible, and dependable, and fulfilling obligations.

Analytical Thinking — Job requires analyzing information and using logic to address work-related issues and problems.

Self Control — Job requires maintaining composure, keeping emotions in check, controlling anger, and avoiding aggressive behavior, even in very difficult situations.

Cooperation — Job requires being pleasant with others on the job and displaying a good-natured, cooperative attitude.

Persistence — Job requires persistence in the face of obstacles.

Stress Tolerance — Job requires accepting criticism and dealing calmly and effectively with high stress situations.

Independence — Job requires developing one's own ways of doing things, guiding oneself with little or no supervision, and depending on oneself to get things done.

Initiative — Job requires a willingness to take on responsibilities and challenges.

[back to top](#)

Work Values

Independence — Occupations that satisfy this work value allow employees to work on their own and make decisions. Corresponding needs are Creativity, Responsibility and Autonomy.

Working Conditions — Occupations that satisfy this work value offer job security and good working conditions. Corresponding needs are Activity, Compensation, Independence, Security, Variety and Working Conditions.

Achievement — Occupations that satisfy this work value are results oriented and allow employees to use their strongest abilities, giving them a feeling of accomplishment. Corresponding needs are Ability Utilization and Achievement.

[back to top](#)

Related Occupations

- 49-2092.00 [Electric Motor, Power Tool, and Related Repairers](#)
- 49-3051.00 [Motorboat Mechanics and Service Technicians](#)
- 49-3053.00 [Outdoor Power Equipment and Other Small Engine Mechanics](#)
- 49-9021.01 [Heating and Air Conditioning Mechanics and Installers](#)  
- 49-9021.02 [Refrigeration Mechanics and Installers](#) 
- 49-9031.00 [Home Appliance Repairers](#)
- 49-9091.00 [Coin, Vending, and Amusement Machine Servicers and Repairers](#)
- 53-7071.00 [Gas Compressor and Gas Pumping Station Operators](#)

[back to top](#)

Wages & Employment Trends

National

Median wages (2011) \$17.63 hourly, \$36,680 annual

Employment (2010) 26,000 employees

Projected growth (2010-2020)  Average (10% to 19%)

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Projected job openings (2010-2020) 9,300

Top industries (2010) [Administrative and Support Services](#)
[Self-Employed](#)

State & National

Select a State



Source: Bureau of Labor Statistics [2011 wage data](#) and [2010-2020 employment projections](#). "Projected growth" represents the estimated change in total employment over the projections period (2010-2020). "Projected job openings" represent openings due to growth and replacement.

[back to top](#)

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