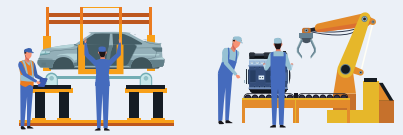


Motor Vehicle Assemblers, Inspectors and Testers



Motor Vehicle Assemblers, Inspectors and Testers are production line workers who are versed in key aspects of manufacturing such as quality control analysis and operations monitoring. Despite being an entry-level position, vehicle assemblers frequently interact with technology and software used by professionally trained skilled trades workers. The closeness of tasks and general skill set with other assemblers makes it easy for motor vehicle assemblers to transition to other areas of manufacturing, and with additional training to skilled trades and other production jobs.

Skills

Skills are developed through training and experience, and are the practical proficiencies someone possesses. The following are top key skills motor vehicle assemblers employ in their work:

1. Quality Control Analysis
2. Time Management
3. Operation Monitoring
4. Critical Thinking
5. Coordination

Tasks

Tasks are the assigned duties that an occupational group performs in their daily work. The following are the tasks motor vehicle assemblers most regularly encounter:

1. Mark products, workpieces, or equipment with identifying information.
2. Notify others of equipment repair or maintenance needs.
3. Connect electrical components or equipment.
4. Read work orders or other instructions to determine product specifications or materials requirements.
5. Inspect electrical or electronic systems for defects.

Technical Knowledge

Technical Knowledge is the understanding of theory and utility of modern tools in a work environment. The following tools are used by motor vehicle assemblers regularly:

1. Computer-aided design and manufacturing software
2. Enterprise resource planning software
3. Industrial control software
4. Analytical or scientific software
5. Process mapping and design

Abilities

Abilities refer to the innate faculties that allow workers to carry out tasks and activities. The following are the top abilities that motor vehicle assemblers possess:

1. Manual Dexterity
2. Information Ordering
3. Problem Sensitivity
4. Visualization
5. Deductive Reasoning

Skills Transferability Matrix

FOCAL's Skills Transferability Matrices analyze the transferability of an occupation across a multitude of other occupations on the basis of similarities in **skills, technical knowledge, tasks,** and **abilities** as outlined by the O*Net database. It aims to show workers how to leverage their skill set in changing occupations, planning a career path, and transitioning to other industries. It also assists policy makers and educators address changing skill sets and areas of opportunity for workforce entrants in developing industries. Employers can also use this tool in reskilling or upskilling workers to circumvent skills shortages, and reduce the hiring and training challenges.

Motor Vehicle Assemblers, Inspectors and Testers					
Occupations	Skills	Technical Knowledge	Tasks	Abilities	Total
Mechanical assemblers and inspectors	94%	96%	72%	94%	89%
Boat assemblers and inspectors	92%	96%	72%	93%	88%
Assemblers and inspectors, electrical appliance, apparatus and equipment manufacturing	92%	96%	74%	92%	88%
Plastic products assemblers, finishers and inspectors	92%	96%	72%	93%	88%
Electronics assemblers, fabricators, inspectors and testers	92%	96%	61%	90%	85%
Machine operators and inspectors, electrical apparatus manufacturing	91%	96%	61%	90%	84%
Machinists and machining and tooling inspectors	91%	96%	60%	90%	84%
Furniture and fixture assemblers and inspectors	91%	96%	59%	90%	84%
Assemblers, fabricators and inspectors, industrial electrical motors and transformers	89%	96%	61%	90%	84%
Metalworking and forging machine operators	88%	57%	34%	84%	66%
Plastics processing machine operators	88%	48%	40%	86%	65%
Machining tool operators	87%	61%	24%	87%	65%
Aircraft assemblers and aircraft assembly inspectors	93%	30%	31%	92%	62%
Foundry workers	86%	43%	16%	84%	57%
Industrial painters, coaters and metal finishing process operators	86%	22%	17%	87%	53%

After scanning over 2,600 skills, technical competencies, tasks, and abilities of each of the 500 occupations as defined by the National Occupational Classification (NOC) system, a skills transferability matrix for motor vehicle assemblers, inspectors and testers is produced. In the matrix above, a high score is highlighted in green and indicates the high transferability potential of an attribute of an occupation with that of motor vehicle assemblers. Lower or no transferability areas are marked in red. Motor vehicle assemblers were found to share transferable attributes with many other assembly and inspection roles, such as furniture, electrical, electronic, and boat assemblers. An overlap can also be found in the attributes of machining and tooling occupations, suggesting a potential career path way into skilled trade work. Motor vehicle assemblers may also transition into other manufacturing occupations, such as roles in metalworking, painting and coating, and machine operation.

To learn more about developments, trends and new technologies in Canada's automotive manufacturing industry, visit our website futureautolabourforce.ca.

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