



**Skilled
Trades**
Ontario

**Métiers
spécialisés**
Ontario

Apprenticeship
Training Standard
Logbook

**Recreation Vehicle
Technician**

690H

2016

Apprenticeship Training Standard

The Apprenticeship Training Standard or herein after referred to as “Logbook” is a document issued to Apprentices who sign a Registered Training Agreement in the Province of Ontario as an official record of training. It is to be used by the Apprentice and Sponsor/trainer to guide the process of skills development in a particular trade.

Training As An Apprentice

- ✓ Ensure you, your sponsor, and your witness sign a Training Agreement with the Ministry of Labour, Immigration, Training and Skills Development. Once it is registered, you will receive a copy of the registered Training Agreement for your records.
- ✓ Notify the local Service Delivery Office **immediately** if any changes to contact information or training agreement, especially if you change sponsors.
- ✓ Review the Logbook regularly with your trainer and sponsor to discuss your progress, ask questions, seek feedback and have the trainer **sign-off on competencies**
- ✓ Keep an accurate record of the hours you work.
- ✓ Attend classroom training when it is offered.
- ✓ Apply for the financial incentives for which you are eligible.



Completing Your Logbook

- ✓ **Complete the Sponsor Record Form** – A form must be completed for each Sponsor/Trainer used during your apprenticeship.
- ✓ **Confirm Skill Sign-off is Complete**
 - **You and your trainer** sign-off each required skill to confirm that you have demonstrated competency in that skill.
 - Shaded boxes in your Logbook mean the skills are optional and do not have to be confirmed by your trainer or sponsor. However, you are encouraged to complete them as part of your training.
- ✓ **Confirm Skill Set Sign-off is Complete**
 - After you and your trainer have signed-off all the required skills in a skill set, your sponsor signs the signature box on the form in **Appendix C – “Skill Set Completion for Sponsors”** to confirm your completion of all competencies within each skill set.

This document is the property of the apprentice named inside and represents the official record of your training. For information about completing your apprenticeship, see inside of back cover.



Apprentice Name: _____

Address: _____

Phone Number: _____

Email Address: _____

Trade: _____

Training Agreement # (for Compulsory and Non-Compulsory trades):

STO Account No. (for Compulsory trades only):

This document is the property of the Apprentice named herein and represents the official record of their training.

If you have questions about the use of this Logbook or about your Apprenticeship program, contact your local Service Delivery Office (see Appendix D in this book) or the Employment Ontario hotline at: 1-800-387-5656.

Apprenticeship Pathway to a Certificate of Qualification

Phase 1: Registration

Submit Application for Apprenticeship Training through the on-line portal or to local Service Delivery Office

For on-line portal, please follow instructions for registration. You will need to create a *My Ontario* account to access online services.

Training agreement signed and registered by both apprentice and sponsor

Access your Apprenticeship Training Standard Logbook**
skilledtradesontario.ca/about-trades/trades-information

** This is the official record of your training progress. You are responsible for keeping it up-to-date.

Complete on-the-job training

Demonstrate and receive sign-off on the competencies/skills in your Apprenticeship Training Standard Logbook

Complete in-school training

Attend and complete the in-class training set out in the Curriculum Training Standard

Apprentices eligible to apply for apprenticeship incentive grants (Red Seal trades) and loans.

Review and finalize your logbook with your sponsor

Submit proof of apprenticeship completion via email, in-person or digital portal

Your Apprenticeship Training Standard Logbook details completion requirements. Submit the following:

- completed Apprenticeship Training Standard Logbook with signatures
- proof of hours

Certificate of Apprenticeship is issued

Trades without examination

CofA is the final step of the program

Trades with examination (compulsory and non-compulsory trades)*

Provisional Certificate of Qualification issued for a 12 month term

To prepare for the CofQ examination download the Provincial and/or Red Seal Exam preparation guides.

Make payment for your Certificate of Qualification examination

Call to make a payment (647-847-3000 or 1-855-299-0028)

Schedule a date to write your Examination

To schedule your examination, contact your local Service Delivery Office.

Pass Certificate of Qualification examination

Apprentices eligible to apply for Apprenticeship Completion Grant (Red Seal trades) or Apprentice Completion Bonus (non-Red Seal)

Certificate of Qualification is issued

Upon completion, Sponsors may be eligible for Apprenticeship grants, incentives, bonuses or tax credits

Phase 2: Apprenticeship

Phase 3: Certification

* For a list of trades subject to a certification examination, visit: skilledtradesontario.ca

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Please Note: This Standard has been revised to reflect the visual identity of Skilled Trades Ontario (STO) which replaced the Ontario College of Trades on January 1, 2022. The content of this Standard may refer to the former organization; however, all trade specific information or content remains relevant and accurate based on the original date of publishing.

Please refer to STO’s website: skilledtradesontario.ca for the most accurate and up to date information. For information about BOSTA and its regulations, please visit [Building Opportunities in the Skilled Trades Act, 2021 \(BOSTA\)](#).

Any updates to this publication are available on-line; to download this document in PDF format, please follow the link: Skilled Trades Ontario.ca.

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Foreword: Purpose, Terms and Conditions of the registered Training Agreement

Purpose:

- Prior to starting official apprenticeship activities, the apprentice, sponsor and a witness are required to sign a Training Agreement.
- The Training Agreement that you have signed is an important legal document that outlines your responsibilities as an apprentice and the responsibilities of your sponsor.
- Once registered, this training agreement (or contract) marks the start of your formal agreement between the apprentice, the sponsor and the Ministry.
- For compulsory trades, the apprenticeship registration document must be accessible when working.

The Apprentice agrees:

- **To inform the local Service Delivery Office of any change to your contact information or change in sponsor within 7 days;**
- To follow the Sponsor's and Trainer's lawful instructions and make every effort to acquire the skills identified in the Logbook for the Trade which is part of the apprenticeship program established by Skilled Trades Ontario for the trade;
- To obtain written verification from the Sponsor and the Trainer(s) that the requirements in the Logbook for the trade have been met.
- When you receive an "Offer of Classroom Training", confirm your attendance by following the instructions in the offer. Failure to do so may result in losing your opportunity to attend school which delays the completion of your apprenticeship.

The Sponsor agrees:

- To ensure that the Apprentice is provided with the training required as part of the apprenticeship program established by Skilled Trades Ontario for this trade;
- To review the progress of training with the Apprentice, and with the Trainer(s) where the Sponsor and the Trainer are not the same party.
- Release your apprentice from work to attend in-school training without penalty to the apprentice.
- To maintain the journeyperson/apprentice ratio for your trade, if applicable.
- To monitor their apprentice(s) progress
- To ensure that the Trainer(s) verifies, in writing, when each skill identified in the Logbook for the trade has been successfully completed by the Apprentice;
- To contact the Ministry should any changes in your capacity to train, your contact information, or your apprentice's status in the program change.

Trade Specific Resources and Links

Trade Specific Resource	Link
Red Seal Program	red-seal.ca
Apprenticeship in Ontario	ontario.ca/page/apprenticeship-ontario
Employment Ontario	employmentontario.ca
Service Canada	servicecanada.gc.ca
<i>Building Opportunities in the Skilled Trades Act, 2021</i>	Building Opportunities in the Skilled Trades Act, 2021, S.O. 2021, c. 28 - Bill 288 (ontario.ca)
Ministry of Labour, Immigration, Training and Skills Development	Ministry of Labour, Immigration, Training and Skills Development ontario.ca
Exam Preparation Guide	Exam Resources – Skilled Trades Ontario
Skills Zone (Ontario Skills Passport)	http://www.skillszone.ca/
Technical Standards and Safety Authority (TSSA)	http://www.tssa.org
Electrical Safety Authority	http://www.esasafe.com
Canadian Standards Association	http://www.csagroup.org
Ontario RV Dealers Association (ORVDA)	http://www.ontariorvda.ca
Recreational Vehicle Industry Association	http://www.rvia.org/

**Please note, all website addresses are current at time of printing*

Methodology-Standard Development

A standard is developed with a broad group of trade representatives who form the initial working group. This includes subject matter experts/ tradespeople/ instructors and employers from a cross section of the sector/industry, with varying years of work experience in the field. The working group reviews, develops and recommends revision to the content of the standard. Their role also involves harmonizing and updating other supporting content for the product.

An essential part of the standard development is the validation process. This is the opportunity to have a broader representation of the sector provide feedback on the content of draft standard. This process is conducted in various ways and may include sending out a survey or the draft document (or both) directly to the sector. The comments received are reviewed by the working group and revisions are made as required based on a consensus model.

Introduction to the Logbook

This “on-the job” Logbook is the training standard for Recreation Vehicle Technician 690H and was developed by Skilled Trades Ontario in consultation with representatives from industry. It identifies all the skills associated with and required to learn the trade.

The Logbook is divided into skill sets, which are further divided into skills. These skill sets and skills are written in statements that describe what the Apprentice must perform and to what standard, in order to be considered competent in that skill.

The successful performance of these skills is tracked in the Logbook. Once achieved, this skills’ sign-off, along with the completion of in-school program requirements or equivalent, is how the apprenticeship program is completed and apprentices receive a Certificate of Apprenticeship.

The Sponsor/trainer and Apprentice are required to sign-off and date each skill after the Apprentice has demonstrated proficiency in these skills. However, if a skill is shaded, it is optional and does not need to be signed-off, though it has been defined as a part of the scope of practice for the trade.

All practices described in this standard must be performed by the apprentice according to the specific criteria identified. In general, the standard of performance for this trade is to be performed according to all applicable jurisdictional codes and standards and all health and safety standards must be respected and observed.

All skills within the Apprenticeship Training Standard are to be performed, as applicable, according to and in compliance with the following:

- Occupational Health and Safety Legislation and Regulations;
- Other applicable legislation, regulation, codes and standards;
- Industry best practices;
- Company policies and procedures.

The information presented in this standard is, to the best of our knowledge, current at time of printing and is intended for general application. Please refer to the Skilled Trades Ontario website for the most accurate and up-to-date information: skilledtradesontario.ca

Roles and Responsibilities

Under the [Building Opportunities in the Skilled Trades Act, 2021 \(BOSTA\)](#)

Skilled Trades Ontario (STO) is responsible for:

- Establishing and maintaining qualifications;
- Establishing Apprenticeship Programs and other training programs including training Standards, curriculum standards and certifying examinations;
- Issuing certificates for the purposes of this Act such as Certificates of Qualification;
- Maintaining a Public Registry for compulsory trades skilledtradesontario.ca/public-register/;
- Determining whether the experience and qualifications obtained by applicants for a certificate of qualification who do not complete an apprenticeship are equivalent to those received through completing an apprenticeship (Trade Equivalency Assessments)
- Promoting the skilled trades and conducting research.
- Conducting research and evaluate whether a trade should be prescribed as a trade for the purposes of this Act and to make recommendations on these matters to the Minister.

Ministry of Labour, Immigration, Training and Skills Development (MLITSD)

is responsible for:

- Classifying trades as compulsory trades;
- Prescribing scopes of practice for trades;
- Approving which persons may provide in-class training for apprenticeship programs (TDAs);
- Registering Training Agreements;
- Providing those who successfully complete an apprenticeship program with a certificate of apprenticeship (CofA);
- Administering examinations, including certifying examinations;
- Promoting the skilled trades and conducting research;
- Exercising such other powers and perform such other duties and functions as are provided for in this Act or the regulations.

For any matter related to your registered Training Agreement or completing your apprenticeship, you must contact your local Service Delivery Office.

Roles and Responsibilities of the Apprentice

An Apprentice is an individual who has entered into a registered Training Agreement (refer to Foreword: *“Purpose, Terms and Conditions of TA” page 1*) with a Sponsor to receive training in a trade as part of an apprenticeship program established by Skilled Trades Ontario. As an Apprentice, you have certain roles and responsibilities to follow throughout your apprenticeship training:

1. As an Apprentice, you signed the Training Agreement and have entered into a contract with the Ministry of Labour, Immigration, Training and Skills Development and your Sponsor.
2. If you are registered as an Apprentice in a compulsory trade, your name will automatically appear in the Skilled Trades Ontario Public Register.
3. You are responsible for informing the staff at your local Service Delivery Office regarding changes to the following:
 - Your Sponsor’s address;
 - Your name and address; and/or,
 - Your Sponsor, including starting employment with a new Sponsor
4. As an Apprentice, you are responsible for completing skills or skill sets in this Logbook (as detailed in the *“Eligibility for Apprenticeship Program Completion”* section of this document) and ensuring that they are dated and signed by both you and your Trainer.
5. Once you have demonstrated competency in all the mandatory skills and received a sign off on each skill by your sponsor/trainer, you must have the Skill Set Completion Form completed and signed by your current Sponsor.
6. Submit your Logbook to your local Service Delivery Office.
7. Present your Apprentice Completion Form (Please refer to Appendix B), along with your authorized Logbook to your local Service Delivery Office.

Roles and Responsibilities of Sponsors and Trainers

Sponsors are responsible for ensuring all terms are met as per the registered Training Agreement. They are named on the registered Training Agreement as the entity responsible for ensuring Apprentices receive the training required as part of an apprenticeship program. As a signatory to this agreement, they are designated as the 'Signing Authority' for the Apprentice's Skill Set Completion Form and are required to attest to successful achievement by signing the appropriate box at the completion of each skill set. Some sponsors may also act as the Trainer.

A **Trainer** is an individual who oversees the performance of a task and sets the workplace expectations and practices for the Apprentice.

In compulsory trades, a Trainer must hold a valid Certificate of Qualification and be registered with Skilled Trades Ontario.

In non-compulsory trades, a Trainer is an individual who holds one of the following:

- A Certificate of Qualification;
- A Certificate of Apprenticeship in the trade; or,
- Has completed both the workplace-based training (competencies and/or hours as applicable) and classroom training components of the trade's apprenticeship program; or,
- Has workplace experience equivalent to the apprenticeship program) and has the skills outlined in the Logbook.

Competency means being able to perform to the required standard (please refer to "*Introduction to the Logbook*"). Trainers/Sponsors and Apprentices are required to sign-off and date the skills in the Logbook following each successful acquisition. The Logbook forms a record of this achievement.

The Trainer must provide their signature based on their assessment and professional judgment that the apprentice is competent in the skills described above. The Trainer's signature is not a general warranty or guarantee of the apprentice's future conduct.

Sponsors participating in this training program will be designated as the Signing Authority and are required to attest to successful achievement by signing the appropriate box included at the end of each skill set.

Health and Safety

Safe working procedures and conditions, accident prevention and the preservation of health are of primary importance for apprenticeship programs in Ontario. These responsibilities are shared and require the joint efforts of government, sponsors, employers, supervisors, workers, apprentices and the public to achieve the goal of making Ontario's workplaces safe and healthy.

The [Occupational Health and Safety Act](#) (OHSA) provides us with the legal framework and the tools to do this. It sets out the rights and duties of all parties in the workplace, placing ultimate responsibility on the employer for the health and safety of workers (in this case apprentices) by ensuring procedures, controls, and training are established for dealing with workplace hazards. Therefore, it is imperative that all parties become aware of circumstances that may lead to injury, illness or harm. Safe learning experiences and environments can be created by controlling the variables and behaviours that may contribute to or cause an accident injury or illness.

A sponsor who is not the employer is reminded that the employer has legal responsibilities respecting health and safety over the apprentice who is their worker. The sponsor should encourage safe work habits and adherence to the employer's occupational health and safety requirements for the workplace.

It is generally recognized that a positive attitude about safety in partnership with health and safety competency contributes to an accident-free environment. Everyone will benefit as a result of a healthy attitude towards the prevention of accidents.

Workers and apprentices can be exposed to a multitude of hazards and, therefore, should be familiar with the Occupational Health and Safety Act and regulations.

The Internal Responsibility System:

One of the primary purposes of the Occupational Health and Safety Act (OHSA) is to facilitate a strong Internal Responsibility System (IRS) in the workplace. To this end, the OHSA lays out the duties of employers, supervisors, workers, apprentices, constructors and workplace owners.

Workplace parties' compliance with their respective statutory duties is essential to the establishment of a strong IRS in the workplace.

Simply put, the IRS means that everyone in the workplace has a role to play in keeping workplaces safe and healthy. Workers and apprentices in the workplace who see a health and safety problem such as a hazard or contravention of the OHSA in the workplace have a statutory duty to report the situation to the employer or a supervisor. Employers and supervisors are, in turn, required to address those situations and acquaint workers with any hazard in the work that they do.

The IRS helps support a safe and healthy workplace. In addition to the workplace parties' compliance with their legal duties, the IRS is further supported by well-defined health and safety policies and programs, including the design, control, monitoring and supervision of the work being performed.

Roles and Responsibilities under the Occupational Health and Safety Act

Employer's Responsibilities include but are not limited to the following:

- Instruct, inform and supervise workers and apprentices to protect their health and safety.
- Appoint competent persons as supervisors.
- Inform a worker, apprentice, or a person in authority, about any hazard in the workplace and train them in the handling, storage, use, disposal and transport of any equipment, substances, tools, material, etc.
- Take every precaution reasonable in the circumstances for the protection of a worker/apprentice.
- In workplaces in which more than five workers are regularly employed, prepare and post a written occupational health and safety policy and set up and maintain a program to implement it.
- Prepare and post policies with respect to workplace violence and workplace harassment and develop programs supporting workplace harassment and workplace violence policies.
- Ensure knowledge of applicable legislative, regulatory, codes and standards so requirements to be followed are clear to all workers/apprentices.

Trainer/Supervisor Responsibilities include but are not limited to the following:

- Ensure that a worker or apprentice works in compliance with the Act and regulations.
- Ensure that any equipment, protective device or clothing required by the employer is used or worn by the worker or apprentice.
- Advise a worker/apprentice of any potential or actual health or safety dangers known by the supervisor.
- Take every precaution reasonable in the circumstances for the protection of workers.

Worker/Apprentice Responsibilities include but are not limited to the following:

- Work in compliance with the Act and regulations.
- Use or wear any equipment, protective devices or clothing required by the employer.
- Report to the employer or supervisor any known missing or defective equipment or protective device that may endanger the worker or another worker.
- Report any hazard or contravention of the Act or regulations to the employer or supervisor.
- Not remove or make ineffective any protective device required by the employer or by the regulations.
- Not use or operate any equipment or work in a way that may endanger any worker.

The Three Rights of Workers/Apprentices

The OHSA gives workers and apprentices three important rights:

1. The right to know about hazards in their work and get information, supervision and instruction to protect their health and safety on the job.
2. The right to participate in identifying and solving workplace health and safety problems either through a health and safety representative or a worker member of a joint health and safety committee.
3. The right to refuse work that they believe is dangerous to their health and safety or that of any other worker in the workplace.

Ministry of Labour, Immigration, Training and Skills Development

The Ministry of Labour, Immigration, Training and Skills Development conducts periodic inspections of workplaces to ensure that safety acts and regulations are being followed. Please direct any questions to the Occupational Health and Safety Contact Centre at 1-877-202-0008.

Apprenticeship Program Summary/Guidelines

Scope of Practice

The Scope of Practice for the trade of Recreation Vehicle Technician is set out in section 114 of Ontario Regulation 875/21 under BOSTA and reads as follows:

114. (1) The scope of practice for the trade of recreation vehicle technician includes installing, servicing, repairing, testing and inspecting the interior wiring, piping, exterior panels, interior cabinets, windows, doors and accessories on the trailers or accommodation units of recreation vehicles.

(2) In this section,

“recreation vehicle” means a vehicle designed as mobile accommodation or as self-propelled mobile accommodation and used as transportation and includes a cabin trailer, collapsible cabin trailer, tent trailer and camping trailer.

*While the Logbook draws on the scope of practice regulation (Section 114 of Ontario Regulation 875/21 under BOSTA). The Logbook does not purport to add to or modify the scope of practice as provided in regulation. *

Program Guidelines

On-the-Job Training Duration

Industry has identified 6280 hours as the benchmark necessary for any Apprentice to become competent in the skills required. There may be circumstances in which the duration varies from this guideline.

In-Class Training Duration

Industry has identified 720 hours of in-school training as the duration necessary for an Apprentice to complete the in-school curriculum for this program.

Total Training Hours

7000 hours

Journeyman to Apprentice Ratio

Industry Recommended Ratios:

While some of the trades regulated under BOSTA are subject to Journeyman to Apprentice ratios set out in regulation, this trade is not one of them. Instead, **industry has recommended a Journeyman to Apprentice ratio guideline of 1 Journeyman (or individual who is deemed equivalent to a journeyman) to 1 Apprentice** as the ratio necessary for an Apprentice to be properly trained on the job in this program.

Program Requirements

Compulsory and Non-compulsory Classification

Regulations under the *Building Opportunities in the Skilled Trades Act, 2021*, classify each trade as either “compulsory” or non-compulsory.” This trade is non-compulsory.

It is the responsibility of an Apprentice to maintain a training record in the form of a Logbook. The Sponsor and Trainer are required to sign-off when competencies in the trade are achieved.

Skills for Success Summary

Skills for Success are needed in a quickly changing world for work, learning and life. They are foundational for building other skills and important for effective social interaction. Everyone benefits from having these skills as they help individuals get a job, progress at their current job and change jobs. They also help individuals become active members of their community and succeed in learning.

Through extensive research and consultations, the Government of Canada launched the new Skills for Success model renewing the previous Essential Skills framework to better reflect the needs of the current and future labour market.

The occupational specific Essential Skills profiles are available online. These will be updated over time to align with the new Skills for Success model found here: [Skills for Success model](#)

Standard of Performance

In general, the standard of performance for the trade of Recreation Vehicle Technician are to be performed, as applicable, according to and in compliance with the following:

Industry Safety Standards which are based upon:

- Occupational Health and Safety Legislation and Regulations;
- Jurisdictional legislation and regulations, codes and standards (municipal bylaws etc.)
- Company policies and procedures
- All applicable manufacturers specifications and engineering specifications

Other Suggested or Required Certification(s) and Training

While an apprentice receives health, safety and occupational specific training and/or certification in a variety of fields during their apprenticeship, it is important to be aware that other occupational health and safety training and certification renewal or updating may also be required during their career before performing new types of work.

Recreational Vehicle Technicians may also obtain the following certifications:

- Gas Technician certification through the TSSA, including Gas Technician (G1, G2, G3) or Recreational Vehicle Technician (RV1, RV2).

Training the Apprentice - Tips for Apprentices, Sponsors and Trainers

Tips for Apprentices

Remember, it takes time to learn. The following is a list of additional tips and tools to help make the most of your apprenticeship training:

- Practice safe work procedures early to create good habits;
- Use your Logbook as a journal to keep track of the skills you have achieved;
- Review your training plan with your Training Consultant, Trainer, or Sponsor;
- Discuss your training needs with your Trainer and/or Sponsor;
- Listen to the suggestions of your Trainer;
- Ask your Trainer questions if you are unsure of any skill you need to perform or any tools or equipment you need to use to perform your duties;
- Show enthusiasm and develop good work habits; and,
- Upon demonstration of competency, ensure that you and your Trainer sign-off the individual skills.

To get the most from this mentoring experience, request exposure to the full scope of the trade; meet regularly with your Sponsor/Trainer to discuss your progress, ask questions and seek feedback.

Tips for Sponsors

- Select Trainers with good communication skills and who work well with others;
- Ensure that the Apprentice always works under the direction of or has access to a qualified Trainer;
- Encourage Trainers to take upgrading courses (e.g. Train the Trainer, Mentor, Coach, etc.);
- Set out clear expectations and involve both the Apprentice and Trainer in developing the training plan
- Encourage safe work habits;
- Allow time for the Trainer to train and demonstrate skills to the Apprentice;
- Provide opportunities and time for the Apprentice to learn the trade;
- Ensure that the Apprentice receives the varied on-the-job trade training experience outlined in this document;
- Recognize good performance;
- Observe frequently;
- Provide constructive feedback and conduct regular performance reviews involving the Apprentice and Trainer;
- Use the Logbook as a monitoring tool and a part of regular performance evaluations; and,
- Complete the Skill Set Completion Form once the Apprentice has demonstrated competency in the skills.

- The detailed content listed for each skill is not intended to represent an inclusive list; rather, it is included to illustrate the intended direction for the skill acquisition.

Tips for Trainers

Trainers are responsible for ensuring the Apprentice is developing the skills outlined in this document. Here is a list of tips and tools to help Trainers in their supervision of Apprentices:

- Demonstrate model safe work habits;
- Provide opportunities and time for the Apprentice to learn the trade;
- Treat Apprentices fairly and with respect;
- Review the Logbook with the Apprentice and develop a training plan;
- Set out clear expectations and recognize good performance;
- Expose Apprentices to the full scope of the trade by providing training on the skills outlined in this document;
- Encourage and respond to all questions;
- Be patient;
- Explain, show and demonstrate the skill;
- **Meet regularly with the Apprentice to discuss the apprentice's progress**
- Provide continuous feedback;
- Sign-off skills when your Apprentice demonstrates competency, and,
- Use the Logbook as a guide to evaluate competence in each skill area. By using the Logbook, Trainers will be able to guide the process to and assist Apprentices to develop skills outlined in this document.

The best mentoring experience is when an Apprentice is given as much training/exposure to the full scope of the trade as possible. If this is not possible, help them to determine other ways this may be possible.

Notice of Collection of Personal Information

1. At any time during your apprenticeship training, you may be required to show this Logbook to the local Service Delivery Office. You will be required to submit the signed Apprenticeship Completion form to the Service Delivery Office in order to complete your program. The Service Delivery Office will use your personal information to administer and finance Ontario's apprenticeship training system, including confirming your completion and issuing your Certificate of Apprenticeship.
2. The Service Delivery Office will disclose information about your program completion and your Certificate of Apprenticeship to Skilled Trades Ontario, as it is necessary for Skilled Trades Ontario to carry out its responsibilities.
3. Your personal information is collected, used and disclosed by the Ministry of Labour, Immigration, Training and Skills Development under the authority of the *Building Opportunities in the Skilled Trades Act, 2021 (BOSTA)*.
4. Questions about the collection, use and disclosure of your personal information by the Ministry may be addressed to the:

Manager, Employment Ontario Contact Centre
Ministry of Labour, Immigration, Training and Skills Development
33 Bloor St. E, 2nd floor, Toronto, Ontario M7A 2S3
Toll-free: 1-800-387-5656; Toronto: 416-326-5656
TTY: 1-866-533-6339 or 416-325-4084

List of Trainers

Trainer's Name (Please Print)	Trainer's Signature	Date of start with Trainer (day/month/year)

9150.0 Protect Self and Others

General Performance Objective

Comply with occupational health and safety procedures by identifying and taking corrective action against potential workplace health and safety hazards; handling, storing, and disposing of hazardous materials; wearing and maintaining personal protective equipment; complying with workplace-related legislation; interpreting and applying service-related information; practising good housekeeping in the workplace; and complying with Workplace Hazardous Materials Information System (WHMIS) guidelines, according to the Occupational Health and Safety Act, manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9150.01 Identify potential workplace health and safety hazards, including: overhead hazards (i.e. fans, beams, electrical/hydro lines, heating vents), primers, epoxy, urethanes, dust fumes, excessive exhaust and explosive fumes, gas and alternate fuels, excessive sound levels, electrical and mechanical hazards (i.e., damaged or faulty electrical components such as cords, tools and plugs, damaged or faulty air lines, high-pressure hydraulic systems, and inadequate ventilation), by performing continuous visual inspections of the worksite so that the potential for personal injury and damage to equipment, units, and the environment are minimized, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

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*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9150.02 **Take corrective action against potential workplace health and safety hazards**, including: overhead hazards (i.e. fans, beams, electrical/hydro lines, heating vents), primers, epoxy, urethanes, dust fumes, excessive exhaust and explosive fumes, gas and alternate fuels, excessive sound levels, electrical and mechanical hazards (i.e., damaged or faulty electrical components such as cords, tools and plugs, damaged or faulty air lines, high-pressure hydraulic systems, and inadequate ventilation), by addressing the issue such as repairing, replacing or removing faulty equipment, components and hazards so that the potential for personal injury and damage to equipment, units, and the environment are minimized, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9150.03 **Handle, store, and recycle hazardous workplace materials**, including: glass, urethane, epoxy, primers, solvents, tires, antifreeze, and oils; and using personal protective equipment and specified handling, storage, and recycling procedures, so that individuals are protected from injury, and the environment from contamination, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9150.04 **Wear and maintain personal protective equipment**, including: first aid station, eye, ear, hand, respiratory, body, and foot protection, ensuring that correct fit and optimum protection is provided to the wearer for the specific task performed, according to Workplace Joint Health and Safety Committee or designated individual, manufacturers’ specifications, recommendations, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9150.05 **Comply with workplace-related legislation**, relating to highway traffic safety, parts, warranties, occupational health/safety, environmental protection, and business and trade practices, including: the *Occupational Health and Safety Act*, *TSSA*, the *Motive Vehicle Repair Act*, the *Highway Traffic Act*, and the *Environmental Protection Act*, by ensuring proper selection and placement of fire extinguishers, proper placement, use and maintenance of ladders/scaffolds, identifying and maintaining the first aid station, identifying the personal and legal liabilities of technicians and unit owners when performing and conducting unit safety inspections, emissions tests, and work estimates, and repairing or replacing defective parts, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9150.06 Practise good housekeeping in the workplace, by applying fire hazard prevention methods, maintaining a clean and orderly work area; identifying, removing, and disposing of potential fire hazards; cleaning up grease, oil spills, and fluids; ensuring work area is free of obstructions; and safely storing tools and shop equipment to minimize accident or injury to self and others, according to company policy, manufacturers' recommendations for storage, use and disposal, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9150.07 Comply with Workplace Hazardous Materials Information System (WHMIS) guidelines, including: reading and interpreting labels and Material Safety Data Sheets (MSDS), and ensuring receipt of training in WHMIS regulations and practices, according to the *Occupational Health and Safety Act*.

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9150.08 Interpret and apply service-related information, including: service bulletins (i.e. from TSSA, manufacturers), manuals, and parts catalogues, by: accessing computerized and paper service information systems, so that service/repair is performed; according to company policy, manufacturer's recommendations and/or government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9151.0 Perform General Trade Practices

General Performance Objective

Perform general trade practice procedures by reading and interpreting blueprints, drawings, schematics, assembly drawings and service literature; by interpreting, identifying and researching repair sequences, repair diagrams, flow charts and specifications; by demonstrating effective written and verbal communication skills and conflict resolution skills with clients, co-workers, vendors and manufacturers, according to manufacturers' recommendations and specifications, government safety regulations, and accepted industry standards.

Skills

9151.01 Read and interpret, blueprints, drawings, schematics, assembly drawings, and service literature, by identifying type and model of vehicle, and parts, components, and assemblies; locating and identifying mechanical, hydraulic, electronic, and electrical symbols that indicate location of devices, routing of wire, vents, plumbing, and specific system notes that include dimensions, materials, and specifications; and ensuring that the interpretation is correct, according to manufacturers' recommendations, specifications, safety requirements, and meets government regulations (i.e. TSSA, ESA, CSA-Z240).

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*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9151.02 Interpret, identify, and research repair sequences, repair diagrams, flow charts, and specifications by demonstrating the ability to read blueprints; convert schematics to ladder diagrams, and perform metric conversion, ensuring that interpretation and calculation are correct, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9151.03 Verbally communicate with clients and co-workers, vendors, manufacturers by listening attentively; paraphrasing ideas and statements; asking open-ended and closed-ended questions; using common trade or plain language; explaining processes and ideas in a clear, concise, and positive manner; and referring clients to other trade professional services to meet client needs, according to company policy, safety requirements, manufacturer specifications and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9151.04 Demonstrate written communication skills by writing legibly; paraphrasing ideas and statements; preparing documents; providing accurate details; using common trade or plain language; explaining processes and ideas; completing all required information on documents; referring clients to other trade professional services to meet client’s needs; and ensuring that all written documents are clear, concise, and legible and client confidentially is maintained, according to company policy, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9151.05 Demonstrate conflict resolution skills, by remaining calm; asking questions; restating concerns; focusing on resolving the problem; offering options to the client; and preparing a written report for referral to management so that conflict is clarified, solutions are recommended, and management is aware of problem according to company standards and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9152.0 Perform Pre-Delivery Inspection (PDI)

General Performance Objective

Perform pre-delivery visual and operational inspection of unit systems and components, including exterior and interior components, accessories, water systems, liquid petroleum gas (LPG) systems, electrical and electronic systems, chassis systems, lift systems, fasteners, and mounting devices, by visually inspecting, diagnosing, troubleshooting, testing, documenting repair requirements, verifying performance and function, and preparing required report, according to Technical Standards and Safety Authority (TSSA) requirements, company policy, manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9152.01 Perform visual and operational inspection of unit systems and components, including: exterior and interior components, accessories, water systems, LPG systems, electrical and electronic systems, chassis and suspension, lift systems, fasteners, and mounting devices, by checking for structural integrity, cleanliness, cracks, distortion, corrosion, leaks, and worn, loose, damaged, missing, and defective components; according to TSSA requirements, company policy, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9152.02 Diagnose and troubleshoot unit systems and components, including: exterior and interior components, accessories, water systems, LPG systems, electrical and electronic systems, chassis and suspension systems, lift systems, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; checking for structural integrity, dirt/cleanliness, leaks, pressure, venting, flow, temperature, corrosion, vibration, noise, wear, misalignment, fractures, odour, and colour; using hand, power, specialized, electrical and electronic service tools, according to TSSA requirements (i.e. tagging), company policy, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9152.03 Document repair requirements on unit systems and components including: exterior and interior components, accessories, water systems, LPG systems, electrical and electronic systems, chassis and suspension systems, lift systems, fasteners, and mounting devices, by completing PDI checklist and taking pictures as required, according to TSSA requirements (i.e. tagging), company policy, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9152.04 Complete pre-delivery inspection report (PDI) on unit systems and components, including: the condition of exterior and interior components, accessories, water systems, LPG systems, electrical and electronic systems, chassis and suspension systems, lift systems, fasteners, and mounting devices; by recording the results of the visual and operational inspection, and diagnosis and troubleshooting activities and completing warranty correspondence/documentation as required; according to TSSA requirements, company policy, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9152.05 Verify accuracy of pre-delivery inspection report on unit systems and components, including: the condition of exterior and interior components, accessories, water systems, LPG systems, electrical and electronic systems, chassis and suspension systems, lift systems, fasteners, and mounting devices; by visually and operationally inspecting, testing, and analysing performance and function; ensuring structural integrity; using hand, power, specialized, electrical, and electronic service tools, according to TSSA requirements, company policy, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9153.0 Plumbing Systems and Components

General Performance Objective

Repair, replace, or install plumbing systems, and components by visually inspecting, diagnosing, troubleshooting, and verifying performance and function and winterizing, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9153.01 Perform visual inspection of plumbing systems, and components, identifying system types and applications, including: tanks (i.e. fresh water tanks, holding tanks), city water connections, drains, flushing systems, pipes, tubing, vents, caps, fittings, clamps, hoses, insulation, plumbing fixtures (i.e., toilets, sinks, tubs, shower enclosures,) lines, sensors, wiring harnesses, monitor panels, pump assemblies, filters, accumulators, regulators, valves, manifolds, gaskets, seals, housings, covers, drain plugs, freeze-protection devices and components (i.e. bypasses), fluids, fasteners, and mounting devices; by checking for leaking, worn, loose, damaged, defective, or missing components, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9153.02 Diagnose and troubleshoot plumbing systems, and components, including: tanks (i.e. fresh water tanks, holding tanks), city water connections, drains, flushing systems, pipes, tubing, vents, caps, fittings, clamps, hoses, insulation, plumbing fixtures (i.e., toilets, sinks, tubs, shower enclosures,) lines, sensors, wiring harnesses, monitor panels, pump assemblies, filters, accumulators, regulators, valves, manifolds, gaskets, seals, housings, covers, drain plugs, freeze-protection devices and components (i.e. bypasses), fluids, fasteners, and mounting devices; by checking for leaks, pressure, venting, flow, temperature, corrosion, vibration, noise, wear, misalignment, fractures, odour, and colour; using hand, power, specialized, electrical, and electronic service tools and gauges, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9153.03 Repair plumbing systems, and components, including: tanks (i.e. fresh water tanks, holding tanks), city water connections, drains, flushing systems, pipes, tubing, vents, caps, fittings, clamps, hoses, insulation, plumbing fixtures (i.e., toilets, sinks, tubs, shower enclosures,) lines, sensors, wiring harnesses, monitor panels, pump assemblies, filters, accumulators, regulators, valves, manifolds, gaskets, seals, thermostats, housings, covers, drain plugs, freeze- protection devices and components (i.e. bypasses), fluids, fasteners, and mounting devices; by installing, maintaining, and/or replacing; using hand, power, specialized, electrical, and electronic service tools and gauges, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9153.04 **Verify repair of plumbing systems, and components**, including: tanks (i.e. fresh water tanks, holding tanks), city water connections, drains, flushing systems, pipes, tubing, vents, caps, fittings, clamps, hoses, insulation, plumbing fixtures (i.e., toilets, sinks, tubs, shower enclosures,) lines, sensors, wiring harnesses, monitor panels, pump assemblies, filters, accumulators, regulators, valves, manifolds, gaskets, seals, housings, covers, drain plugs, freeze- protection devices and components (i.e. bypasses), fluids, fasteners, and mounting devices; by visually and operationally inspecting, testing, and analysing performance and function; using hand, power, specialized, electrical, and electronic service tools and gauges, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9153.05 **Apply winterizing procedures to plumbing systems and components** depending on weather conditions, including: air/anti-freeze, according to company policy, manufacturers’ recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.0 Unit Electrical, Electronic and Computerized Systems (AC and DC)

General Performance Objective

Repair, replace, or install alternating current (AC) and direct current (DC) electrical, electronic and computerized systems and components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying the performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9154.01 Perform visual and operational inspection of AC electrical and electronic systems and components, identifying system types and applications, including: panel box, fuses, circuit breakers, receptacles, ground fault interrupters (GFI), surge-protection devices, connectors, cables, switches, motors, solenoids, generators, relays, isolators, circuit boards, display panels, diagnostic lights, modules, wiring and wire sizing, lighting, inverter and converter systems, electrical accessories, fasteners, and mounting devices; by checking for corrosion, worn, loose, damaged, missing, or defective components and connections, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. ESA and CSA-Z240).

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mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9154.02 Diagnose and troubleshoot AC electrical and electronic systems and components, including: panel box, fuses, circuit breakers, receptacles, ground fault interrupters (GFI), surge-protection devices, connectors, cables, switches, motors, solenoids, generators, relays, isolators, circuit boards, display panels, diagnostic lights, modules, wiring and wire sizing, lighting, inverter and converter systems, electrical accessories, fasteners, and mounting devices; by visually inspecting, testing, resetting, reprogramming, and analysing performance and function; checking for voltage and voltage drop, amperage, and specific draws, corrosion, temperature, odour, vibration, and noise; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations (i.e. ESA and CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.03 Repair, replace, or install AC electrical and electronic systems and components, including: panel box, fuses, circuit breakers, receptacles, ground fault interrupters (GFI), surge- protection devices, connectors, cables, switches, motors, solenoids, generators, relays, isolators, circuit boards, display panels, diagnostic lights, modules, wiring and wire sizing, lighting, inverter and converter systems, electrical accessories, fasteners, and mounting devices; by installing, maintaining, resetting, reprogramming, and/or replacing; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations (i.e. ESA and CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.04 **Verify repair, replacement, and installation of AC electrical and electronic systems and components**, including: panel box, fuses, circuit breakers, receptacles, ground fault interrupters (GFI), surge-protection devices, connectors, cables, switches, motors, solenoids, generators, relays, isolators, circuit boards, display panels, diagnostic lights, sensors, modules, wiring and wire sizing, lighting, inverter and converter systems, electrical accessories, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. ESA and CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.05 **Perform visual and operational inspection of DC electrical and electronic systems and components**, identifying system types and applications, including: batteries and charging systems, fuses and fuse panels, circuit breakers, receptacles, fusible links, connectors, cables, switches, motors, solenoids, relays, isolators, circuit boards, display panels, proximity and auditory alarms, diagnostic lights, sensors, modules, diodes, wiring harnesses and wire sizing, lighting, inverter and converter systems, solar power systems, electrical accessories, fasteners, and mounting devices; by checking for corrosion, worn, loose, damaged, missing, or defective components and connections, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.06 Diagnose and troubleshoot DC electrical, electronic and computerized systems and components, including: batteries and charging systems, fuses and fuse panels, circuit breakers, receptacles, fusible links, connectors, cables, switches, motors, solenoids, relays, isolators, circuit boards, display panels, proximity and auditory alarms, diagnostic lights, sensors, modules, diodes, wiring harnesses and wire sizing, lighting, inverter and converter systems, solar power systems, electrical accessories, fasteners, and mounting devices; by visually inspecting, testing, resetting, reprogramming, and analysing performance and function; checking for voltage and voltage drop, amperage, and specific draws, corrosion, temperature, odour, vibration, and noise; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.07 Repair, replace, or install DC electrical, electronic and computerized systems and components, including: batteries and charging systems, fuses and fuse panels, circuit breakers, receptacles, fusible links, connectors, cables, switches, motors, solenoids, relays, isolators, circuit boards, display panels, proximity and auditory alarms, diagnostic lights, sensors, modules, diodes, wiring harnesses and wire sizing, lighting, inverter and converter systems, solar power systems, electrical accessories, fasteners, and mounting devices; by installing, maintaining, resetting, reprogramming and/or replacing; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9154.08 **Verify repair, replacement, and installation of DC electrical electronic and computerized systems and components**, including: batteries and charging systems, fuses and fuse panels, circuit breakers, receptacles, fusible links, connectors, cables, switches, motors, solenoids, relays, isolators, circuit boards, display panels, proximity and auditory alarms, diagnostic lights, sensors, modules, diodes, wiring harnesses and wire sizing, lighting, inverter and converter systems, solar power systems, electrical accessories, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9155.0 Liquid Petroleum Gas (LPG) Systems and Components (Supply Systems)

General Performance Objective

Repair, replace, or install liquid petroleum gas (LPG) systems and components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying performance and function and recording related repairs by establishing an LP procedures log, according to Technical Standards and Safety Authority (TSSA) requirements, manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9155.01 Perform visual and operational inspection of liquid petroleum gas (LPG) systems and components, identifying system types and applications, including: regulators, tanks, cylinders, couplers, lines, piping and pipe sizing, hoses, fittings, manifolds, gauges, vents, valves, seals, sensors, modules, mechanical and electronic controls, warning and safety devices, switches, wiring harnesses, fasteners, and mounting devices; by checking for tags, leaks, worn, loose, damaged, missing, or defective components, according to TSSA requirements, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9155.02 Diagnose and troubleshoot liquid petroleum gas (LPG) systems and components, including: liquid petroleum (LP) gas, regulators, tanks, cylinders (i.e. date stamps), couplers, lines, piping and pipe sizing, hoses, fittings, manifolds, gauges, vents, valves, seals, sensors, modules, mechanical and electronic controls, warning and safety devices, switches, wiring harnesses, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance, function, checking for tags, worn, loose, damaged, or defective components, lines, hoses, odour, temperature, distortion, corrosion, contamination, pressure, and leaks; using hand, power, specialized, precision, and electronic service tools, according to TSSA requirements, manufacturers’ recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9155.03 Repair, replace, or install liquid petroleum gas (LPG) systems and components, including liquid petroleum (LP) gas, regulators, tanks, cylinders, couplers, lines, piping and pipe sizing, hoses, fittings, manifolds, gauges, vents, valves, seals, mechanical and electronic controls, warning and safety devices, switches, wiring harnesses, fasteners, and mounting devices; by installing, maintaining, and replacing; using hand, power, specialized, precision, and electronic service tools, ensuring proper purging procedures followed and tagging, according to TSSA requirements, manufacturers’ recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9155.04 **Verify the repair, replacement, or installation of liquid petroleum gas (LPG) systems and components**, including: liquid petroleum (LP) gas, regulators, tanks, cylinders, couplers, lines, piping and pipe sizing, hoses, fittings, manifolds, gauges, vents, valves, seals, sensors, modules, mechanical and electronic controls, warning and safety devices, switches, wiring harnesses, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; using hand, power, specialized, precision, and electronic service tools; and verifying tag, according to TSSA requirements, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9155.05 **Record Liquid Petroleum Gas (LPG) systems and components** related repairs by establishing LP log procedures according to company policy, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9156.00 Liquid Petroleum Gas (LPG) Connected Appliances and Components

General Performance Objective

Repair, replace, or install liquid petroleum (LP) connected appliances and components (including but not limited to generators, water heaters, refrigerators, furnaces, barbeques, ranges, microwaves) by visually and operationally inspecting, diagnosing, troubleshooting, and verifying the performance and function and recording related repairs by establishing an LP procedures log, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9156.01 Perform visual and operational inspection of LPG connected appliances and related components (including but not limited to generators, water heaters, refrigerators, furnaces, barbeques, ranges, microwaves), identifying system types and applications, including: lines, hoses, fittings, gaskets, seals, thermostats, regulators, orifice sizing, valves, manifolds, housings, covers, electrodes, piezo lighter, pilot assemblies, burners, elements, grates, racks, doors, hinges, springs, switches, relays, sensors, thermistor, modules, wiring harnesses, circuit- protection devices, fuses, vents and vent sizing, ducts and duct sizing, filters, clocks, lights, fasteners, and mounting devices; by checking for discolouration, leaks, worn, loose, damaged, missing, or defective components, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. TSSA, CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9156.02 Diagnose and troubleshoot LPG connected appliances and related components (including but not limited to generators, water heaters, refrigerators, furnaces, bbqs, ranges, microwaves), including: lines, hoses, fittings, gaskets, seals, thermostats (i.e. heat anticipator), regulators, orifice sizing, valves, manifolds, housings, covers, electrodes, piezo lighter, pilot assemblies, burners, elements, grates, racks, doors (fit and finish), hinges, springs, switches, relays, sensors, thermistor, modules, wiring harnesses, circuit-protection devices, fuses, vents and vent sizing, ducts and duct sizing, filters, clocks, lights, fasteners, and mounting devices; by visually inspecting, testing, adjusting and analysing performance and function; checking for leaks, pressure, venting, flow, temperature, corrosion, vibration, noise, wear, misalignment, fractures, odour, and colour; using hand, power, specialized, electrical, and electronic service tools, gauges, and leak-detection devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e TSSA and CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9156.03 Repair, replace, or install LPG connected appliances and related components (including but not limited to generators, water heaters, refrigerators, furnaces, bbqs, ranges, microwaves), including: lines, hoses, fittings, gaskets, seals, thermostats (i.e. heat anticipator), regulators, orifice sizing, valves, manifolds, housings, covers, electrodes, piezo lighter, pilot assemblies, burners, elements, grates, racks, doors (fit and finish), hinges, springs, switches, relays, sensors, thermistor, modules, wiring harnesses, circuit-protection devices, fuses, vents and vent sizing, ducts and duct sizing, filters, clocks, lights, fasteners, and mounting devices; by installing, maintaining, adjusting, replacing, or cleaning; using hand, power, specialized, electrical, and electronic service tools, gauges, and leak-detection devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. TSSA and CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9156.04 Verify repair, replacement, and installation of LPG connected appliances and related components (including but not limited to generators, water heaters, refrigerators, furnaces, bbqs, ranges, microwaves), including: lines, hoses, fittings, gaskets, seals, thermostats (i.e. heat anticipator), regulators, orifice sizing, valves, manifolds, housings, covers, electrodes, piezo lighter, pilot assemblies, burners, elements, grates, racks, doors (fit and finish), hinges, springs, switches, relays, sensors, thermistor, modules, wiring harnesses, circuit-protection devices, fuses, vents and vent sizing, ducts and duct sizing, filters, clocks, lights, fasteners, and mounting devices, by visually inspecting, testing, and analysing performance and function; by using leak-detection devices, and tagging, according to TSSA requirements, manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9156.05 Record Liquid Petroleum Gas (LPG) connected appliance and component related repairs by establishing LP log procedures according to company policy, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9157.00 Air Conditioning and Heat Pump Systems and Components

General Performance Objective

Repair, replace, or install air conditioning, heat pump, and systems related components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9157.01 Perform visual and operational inspection of air conditioning, heat pump systems, and components, identifying system types and applications, including: evaporators, condensers, refrigerant, lines, hoses, fittings, seals, compressors, trays, drains, thermostats, valves, thermistor, accumulators, housings, cooling fans, cooling unit, insulation, gaskets, baffles, fans, filters, housing, covers, pumps, heat exchangers, heater blower assemblies motors, shrouds, switches, relays, actuators, sensors, modules, wiring and wiring size, harnesses, cables, circuit-protection devices, air distribution systems, venting and ducting, and fasteners, and mounting devices; by checking for leaking, worn, loose, damaged, missing, seized or defective components, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9157.02 Diagnose and troubleshoot air conditioning, heat pump systems, and components, identifying system types and applications, including: evaporators, condensers, refrigerant, lines, hoses, fittings, seals, compressors, trays, drains, thermostats, valves, thermistor, accumulators, housings, cooling fans, cooling unit, insulation, gaskets, baffles, fans, filters, housing, covers, pumps, heat exchangers, heater blower assemblies motors, shrouds, switches, relays, actuators, sensors, modules, wiring and wiring size, harnesses, cables, circuit- protection devices, air distribution systems, venting and ducting, and fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; checking for leaks, pressure, flow, temperature, corrosion, vibration, noise, wear, misalignment, fractures, odour, colour; using hand, power, specialized, electrical, and electronic service tools, pressure gauges, and leak-detection devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9157.03 **Repair air conditioning, heat pump systems, and components,** identifying system types and applications, including: evaporators, condensers, refrigerant, lines, hoses, fittings, seals, compressors, trays, drains, thermostats, valves, thermistor, accumulators, housings, cooling fans, cooling unit, insulation, gaskets, baffles, fans, filters, housing, covers, pumps, heat exchangers, heater blower assemblies motors, shrouds, switches, relays, actuators, sensors, modules, wiring and wiring size, harnesses, cables, circuit-protection devices, air distribution systems, venting and ducting, and fasteners, and mounting devices; by installing, maintaining, replacing, by using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9157.04 **Verify repair of air conditioning, heat pump systems, and components,** identifying system types and applications, including evaporators, condensers, refrigerant, lines, hoses, fittings, seals, compressors, trays, drains, thermostats, valves, thermistor, accumulators, housings, cooling fans, cooling unit, insulation, gaskets, baffles, fans, filters, housing, covers, pumps, heat exchangers, heater blower assemblies motors, shrouds, switches, relays, actuators, sensors, modules, wiring and wiring size, harnesses, cables, circuit-protection devices, air distribution systems, venting and ducting, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; by using hand, power, specialized, electrical, and electronic service tools and leak-detection devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9158.00 Hitching, Towing, and Trailer Braking Systems and Components

General Performance Objective

Repair, replace, or install hitching, towing, and supplemental braking systems and components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying the performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9158.01 Perform visual and operational inspection of hitching, towing, and trailer braking systems and components, identifying system types and applications, including: class I, II, III, IV, and V receiver and fifth wheel hitches, goose necks, pin boxes, weight-distribution systems, equalizers, anti-sway devices, balls, ball mounts, lubricants, hitch pins, clips, safety chains, clevis, shackles, quick links, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, cables, electric, hydraulic and wireless brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, and fasteners, mounting and positioning devices; by checking for obstructions, corrosion, worn, loose, damaged, missing, or defective components; using hand, power, specialized, electronic service, and precision measuring tools (i.e. micrometers, dial indicators, vernier caliper), according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9158.02 Diagnose and troubleshoot hitching, towing, and trailer braking systems and components, including: class I, II, III, IV, and V receiver and fifth wheel hitches, goose necks, pin boxes, weight-distribution systems, equalizers, anti-sway devices, balls, ball mounts, lubricants, hitch pins, clips, safety chains, clevis, shackles, quick links, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, cables, electric, hydraulic and wireless brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, and fasteners, mounting and positioning devices; synchronizing brake controls, calculating load and material requirements, checking for obstructions, torque specifications, clearance, cracks, misalignment, electrical shorts, electrical connections and operations (i.e. lights, signals, cameras), corrosion, worn, loose and defective components; and by using hand, power, specialized, electrical, and electronic service and precision measuring tools (i.e. torque wrenches, micrometers, dial indicators, vernier caliper), according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9158.03 **Repair, replace, install or remove hitching, towing, and trailer braking systems and components**, including: class I, II, III, IV, and V receiver and fifth wheel hitches, goose necks, pin boxes, weight-distribution systems, equalizers, anti-sway devices, balls, ball mounts, lubricants, hitch pins, clips, safety chains, clevis, shackles, quick links, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, cables, electric, hydraulic and wireless brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, and fasteners, mounting and positioning devices; by installing, maintaining, replacing, adjusting, positioning (i.e. Supplemental Restraint Systems), synchronizing brake controls, and removing; using hand, power, specialized, electronic service, and precision measuring tools (i.e. torque wrenches), according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9158.04 **Verify repair, replacement, or installation of hitching, towing, and trailer braking systems and components**, including: class I, II, III, IV, and V receiver and fifth wheel hitches, goose necks, pin boxes, weight-distribution systems, equalizers, anti-sway devices, balls, ball mounts, lubricants, hitch pins, clips, safety chains, clevis, shackles, quick links, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, cables, electric, hydraulic and wireless brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, and fasteners, mounting and positioning devices; by visually inspecting, testing, and analysing performance and function, synchronizing brake controls, verifying hooking and unhooking procedures; using hand, power, specialized, electronic service, and precision measuring tools (i.e. torque wrenches), according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9159.00 Supplemental Braking Systems and Components (Towed Vehicles)

General Performance Objective

Repair, replace, or install supplemental braking systems and components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying the performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9159.01 Perform visual and operational inspection of supplemental braking systems and components, identifying system types and applications, including: base plates, tow bar, balls, ball mounts, lubricants, hitch pins, clips, safety chains/cables, shackles, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, electrical cables, electric and air brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, fasteners, mounting and positioning devices; by checking for obstructions, corrosion, worn, loose, damaged, missing, or defective components, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9159.02 Diagnose and troubleshoot supplemental braking systems and components, including: base plates, tow bar, balls, ball mounts, lubricants, hitch pins, clips, safety chains/cables, shackles, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, electrical cables, electric and air brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, fasteners, mounting and positioning devices; by activating and synchronizing unit, checking for obstructions, torque specifications, clearance, cracks, misalignment, electrical shorts, electrical connections and operations (i.e. lights, signals, cameras), corrosion, worn, loose and defective components; using hand, power, specialized, electrical, and electronic service tools (i.e. torque wrenches), according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9159.03 Repair, replace, install or remove supplemental braking systems and components, including: base plates, tow bar, balls, ball mounts, lubricants, hitch pins, clips, safety chains/cables, shackles, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, cables, electrical cables, electric and air brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, fasteners, mounting and positioning devices; by installing, maintaining, replacing, positioning, adjusting and synchronizing the unit, or removing; using hand, power, specialized, electronic service tools (i.e. torque wrenches), according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9159.04 Verify repair, replacement, or installation of supplemental braking systems and components, including: base plates, tow bar, balls, ball mounts, lubricants, hitch pins, clips, safety chains/cables, shackles, s-hooks, locking mechanisms, batteries, isolators, fuses, circuit boards and breakers, connectors and plugs, electrical cables, electric and air brake controls, breakaway switches, relays, solenoids, sensors, remotes, diodes, modules, wiring harnesses, lights, and fasteners, and mounting and positioning devices; by visually inspecting, testing, and analysing performance and function, verifying hooking and unhooking procedures, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. MTO requirements).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9160.00 Interior Body Components

General Performance Objective

Repair, replace, install or adjust interior body components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9160.01 Perform visual and operational inspection of interior body components, identifying system types and applications, including: panels, mouldings, trim, glass, ceiling, vents, floor, floor coverings, cabinetry, countertops, shelving, furniture, upholstery, doors, seals, hardware (i.e. locks, cabinet pulls, latches), window treatments, screens, lighting fixtures, mirrors, fasteners, and mounting devices; by checking for damage, fit, misalignment, scratches, dents, fractures, cosmetic damage, discolouration, structural integrity, corrosion, leaks, burns, and worn, loose, damaged, missing, or defective components, according to manufacturers' recommendations, specifications, safety requirements and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9160.02 **Diagnose and troubleshoot the condition of interior body** components, identifying types and applications, including: panels, mouldings, trim, glass, ceiling, vents, floor, floor coverings, cabinetry, countertops, shelving, furniture, upholstery, doors, seals, hardware (i.e. locks, cabinet pulls, latches), window treatments, screens, lighting fixtures, mirrors, fasteners, and mounting devices, by visually inspecting, testing, and analysing performance and function; checking for damage, fit, misalignment, scratches, dents, fractures, cosmetic damage, structural integrity, corrosion, leaks, burns, vibrations, and worn, loose, or missing components; using hand, power, specialized (i.e. seal tech), electrical, and electronic tools (i.e. moisture detectors), according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9160.03 **Repair, replace, install or adjust interior body components**, including: panels, mouldings, trim, glass, ceiling, vents, floor, floor coverings, cabinetry, countertops, shelving, furniture, upholstery, doors, seals, hardware (i.e. locks, cabinet pulls, latches), window treatments, screens, lighting fixtures, mirrors, fasteners, and mounting devices; by installing, adjusting, maintaining, and replacing; using hand, power, and specialized tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9160.04 **Verify repair, replacement, installation or adjustment of interior body components**, including: panels, mouldings, trim, glass, ceiling vents, floor, floor coverings, cabinetry, countertops, shelving, furniture, upholstery, doors, seals, hardware (i.e. locks, cabinet pulls, latches), window treatments, screens, lighting fixtures, mirrors, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; according to manufacturers' recommendations, specifications, safety requirements, and governments regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9161.0 Exterior Body Components

General Performance Objective

Repair, replace, install or adjust exterior body components by visually and operationally inspecting, diagnosing, troubleshooting, and verifying performance and function, to ensure the structural integrity of the unit, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9161.01 Perform visual and operational inspection of exterior body components, identifying system types and applications, including: metal, aluminium, plastic, and fibreglass panels, glass components, roof materials, sealants, sidewalls, decals, mouldings, exterior lighting, doors, floor, ramps, awnings, slide toppers, storage doors and hatches, ladders and roof racks, slide-out rooms (operation and seals), underbelly and frames, rock guards, antennae, fasteners, and mounting devices; by checking for damage, fit, distortion, delamination, scratches, dents, fractures, cosmetic and structural integrity, corrosion, leaks, burns, and worn, loose, damaged, missing, or defective components; using electronic service tools (i.e. moisture detector, seal tech), ladders and scaffolding according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9161.02 Diagnose and troubleshoot the condition of exterior body components, including: metal, aluminium, plastic, and fibreglass panels, glass components, roof materials, sealants, sidewalls, decals, mouldings, exterior lighting, doors, floor, ramps, awnings, slide toppers, storage doors and hatches, ladders and roof racks, slide-out rooms (operation and seals), underbelly and frames, rock guards, antennae, fasteners, and mounting devices; by visually inspecting, testing, and analyzing performance and function; checking for damage, fit, distortion, delamination, scratches, dents, fractures, cosmetic damage, structural integrity, corrosion, leaks, burns, vibrations, and worn, loose, or missing components; using hand, power, specialized, precision, electrical, and electronic service tools (i.e. moisture detector, seal tech), safety stands, ladders and scaffolding, and lifting and rigging devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9161.03 Repair, replace, install or adjust exterior body components, including: metal, aluminium, plastic, and fibreglass panels, glass components, roof materials, sealants, sidewalls, decals, mouldings, exterior lighting, doors, floor, ramps, awnings, slide toppers, storage doors and hatches, ladders and roof racks, slide-out rooms (operation and seals), underbelly and frames, rock guards, antennae, fasteners, and mounting devices; by installing, maintaining, adjusting, replacing, or recommending for service and ensuring the structural integrity of unit; using hand, power (i.e. heat gun), specialized, precision, electrical, and electronic service tools, safety stands, ladders and scaffolding, and lifting and rigging devices; according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9161.04 **Verify repair, replacement, installation or adjustment of exterior body components**, including: metal, aluminium, plastic, and fibreglass panels, glass components, roof materials, sealants, sidewalls, decals, mouldings, exterior lighting, doors, floor, ramps, awnings, slide toppers, storage doors and hatches, ladders and roof racks, slide-out rooms (operation and seals), underbelly and frames, rock guards, antennae, fasteners, and mounting devices; by visually inspecting, testing, analysing performance and function, and ensuring the structural integrity of unit (i.e. verifying the sealant and seals), according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9162.00 Detail Interior and Exterior Body and Components

General Performance Objective

Detail interior and exterior body and components by visually inspecting, diagnosing, troubleshooting, detailing, and verifying performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9162.01 Perform visual inspection by identifying condition of interior and exterior body and components, including: window, walls, floor, and ceiling coverings, upholstery, appliances, water and waste water systems, kitchen and bathroom furnishings and fittings, windows, doors, vents, cabinets, hardware, lighting fixtures, tires and wheels, stripes, decals, trim, mouldings, glass, paint finish, awnings, accessories, underbody, storage compartments and hatches, and engine compartments, fasteners, and mounting and mechanical devices; by checking for dents, scratches, stains, mould growth, bacteria, discolouration, dirt and debris, odours, overspray, undercoating, paint imperfections, cracks, fractures, and worn, loose, damaged, missing, or defective components, according to manufacturers' recommendations, specifications, safety requirements.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9162.02 Diagnose and troubleshoot the condition of interior and exterior body and components, including; window, walls, floor, and ceiling coverings, upholstery, appliances, water and waste water systems, kitchen and bathroom furnishings and fittings, windows, doors, vents, cabinets, hardware, lighting fixtures, tires and wheels, stripes, decals, trim, mouldings, glass, paint finish, awnings, accessories, underbody, storage compartments and hatches, and engine compartments, fasteners, and mounting and mechanical devices; by visually inspecting, and analysing appearance, performance and function; checking for dents, scratches, stains, mould growth, bacteria, discolouration, dirt and debris, odours, overspray, undercoating, paint imperfections, cracks, fractures, and worn, loose, damaged, and missing components; by using lights, wipes, and cleaning materials, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. WHMIS).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9162.03 Perform detailing of interior and exterior body and components, including: window, walls, floor, and ceiling coverings, upholstery, appliances, water and waste water systems, kitchen and bathroom furnishings and fittings, windows, doors, vents, cabinets, hardware, lighting fixtures, tires and wheels, stripes, decals, trim, mouldings, glass, paint finish, awnings, accessories, underbody, storage compartments and hatches, and engine compartments, fasteners, and mounting and mechanical devices; by vacuuming, shampooing, stain removing, deodorizing, washing, buffing, polishing, touch-up painting; using recommended cleaning materials, air, hand, power, and specialized tools and equipment, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. WHMIS).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9162.04 **Verify detailing of interior and exterior body and components,** including: window, walls, floor, and ceiling coverings, upholstery, appliances, water and waste water systems, kitchen and bathroom furnishings and fittings, windows, doors, vents, cabinets, hardware, lighting fixtures, tires and wheels, stripes, decals, trim, mouldings, glass, paint finish, awnings, accessories, underbody, storage compartments and hatches, and engine compartments, fasteners, and mounting and mechanical devices; by visually inspecting, and analysing appearance, performance, and function; using pre-delivery (PDI) inspection checklists, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.0 Chassis, Undercarriage Systems, Running Gear and Components (Towed)

General Performance Objective

Repair, replace, or install chassis undercarriage systems and running gear and components (towed) by visually and operationally inspecting, diagnosing, troubleshooting, and verifying performance and function according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9163.01 Perform visual and operational inspection of chassis and undercarriage systems and components, identifying system types and applications, including: frames, I-beams, bumpers, tire carriers, cargo carriers, barbeque rack, hitching, axles, tongue jacks, ball couplers, safety chains, locking devices, steps, skid plates, rollers, underbelly, king pin and box, landing gear, shock absorbers, motors, cylinders, gears, levelling and stabilizing systems, springs, torsion axles, hangers, shackles, u-bolts, equalizers, bushings, saddles, spindles, bearings, races, d- washers, castellated nuts, cotter pins, brake assemblies, lines, fittings, valves, pumps, tanks, controls, actuators, sensors, modules, wiring harnesses, seals, lubricants, fluids, paint, undercoating materials, and fasteners, and mounting devices; by checking for corrosion, out of round, worn, loose, missing, damaged, and defective components, according to manufacturers' recommendations, specification, safety requirements, and government regulations (i.e. CSA- Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9163.02 Diagnose and troubleshoot chassis and undercarriage systems and components, including: frames, I-beams, bumpers, tire carriers, cargo carriers, barbeque rack, hitching, axles, tongue jacks, ball couplers, safety chains, locking devices, steps, skid plates and rollers, underbelly, king pin and box, landing gear, shock absorbers, motors, cylinders, gears, levelling and stabilizing systems, springs, torsion axles, hangers, shackles, u-bolts, equalizers, bushings, saddles, spindles, bearings, races, d-washers, castellated nuts, cotter pins, brake assemblies, lines, fittings, gauges, valves, pumps, tanks, controls, actuators, sensors, modules, wiring harnesses, seals, lubricants, fluids, paint, undercoating materials, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function and torqueing; checking for vibration, noise, corrosion, out of round, fractures, leaks, pressure, colour, alignment, stability, ride height, load-distribution systems, and controls; using hand, power, specialized, electrical, and electronic service, and precision measuring tools, and lifting, and blocking devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. CSA – Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.03 Repair, replace, or install chassis and undercarriage systems and components, including: frames, I-beams, bumpers, tire carriers, cargo carriers, barbeque rack, hitching, axles, tongue jacks, ball couplers, safety chains, locking devices, steps, skid plates and rollers, underbelly, king pin and box, landing gear, shock absorbers, motors, cylinders, gears, levelling and stabilizing systems, springs, torsion axles, hangers, shackles, u-bolts, equalizers, bushings, saddles, spindles, bearings, races, d-washers, castellated nuts, cotter pins, brake assemblies, lines, fittings, gauges, valves, pumps, tanks, controls, actuators, sensors, modules, wiring harnesses, seals, lubricants, fluids, paint, undercoating materials, fasteners, and mounting devices; by installing, maintaining, replacing, recommending for service and torqueing; using hand, power, specialized, electrical, and electronic service and precision measuring tools, lifting, and blocking devices, and heating, welding, and cutting equipment, according to manufacturers' recommendations, specifications, safety requirements, and government regulations (i.e. CSA- Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.04 **Verify repair, replacement, or installation of chassis and undercarriage systems and components**, including: frames, I-beams, bumpers, tire carriers, cargo carriers, barbeque rack, hitching, axles, tongue jacks, ball couplers, safety chains, locking devices, steps, skid plates and rollers, underbelly, king pin and box, landing gear, shock absorbers, motors, cylinders, gears, levelling and stabilizing systems, springs, torsion axles, hangers, shackles, u-bolts, equalizers, bushings, saddles, spindles, bearings, races, d-washers, castellated nuts, cotter pins, brake assemblies, lines, fittings, gauges, valves, pumps, tanks, controls, actuators, sensors, modules, wiring harnesses, seals, lubricants, fluids, paint, undercoating materials, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function and torqueing; using hand, power, specialized, electrical, and electronic service tools, and lifting, and blocking devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations (i.e. CSA-Z240).

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.05 **Perform visual and operational inspection of tires, wheels, rims, and components (running gear)**, identifying system types and applications, including: valves, valve extensions, caps, wheel discs, rims, spacers, balance weights, sensors and related components, fasteners, and mounting devices; by checking for corrosion, wear patterns, cracking, tire pressure, worn, loose, damaged, overheated, missing, or defective components, and tire ratings and sizes, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.06 Diagnose and troubleshoot tires, wheels, rims, and components (running gear), including: valves, valve extensions, rims, spacers, balance weights, sensors and related components, fasteners, and mounting devices; by visually inspecting, testing, measuring (i.e. tread depth) and analysing performance and function and torqueing; checking for corrosion, contamination, pressure, temperature, vibration, noise, leaks, cracks, tire-matching, fractures, and run out; using hand, power, specialized, electrical, and electronic tools, safety cages, depth gauge, torque wrenches, balancing equipment, and lifting, and blocking devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.07 Repair, replace, or install tires, wheels, rims, and components (running gear), including: valves, valve extensions, caps, wheel discs, rims, spacers, balance weights, sensors and related components, fasteners, and mounting devices, by installing, maintaining, adjusting, replacing, or recommending for service and torqueing; by using hand, power, specialized, electrical, and electronic tools, safety cages, torque wrenches, balancing equipment, and lifting, and blocking devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9163.08 **Verify repair, replacement, or installation of tires, wheels, rims, and components (running gear)**, including: valves, valve extensions, caps, wheel discs, rims, spacers, balance weights, sensors and related components, fasteners, and mounting devices; by visually inspecting, testing, and analysing performance and function; using hand, power, specialized, electrical and electronic tools, balancing equipment, and lifting, and blocking devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9164.0 Accessories and Related Components (New and Used Units)

General Performance Objective

Repair, replace, adjust or install accessories and related components for used units and prepare, layout and install accessories and related components for new units by visually and operationally inspecting, diagnosing, troubleshooting, and verifying performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9164.01 Perform visual inspection of accessories and related components for new and used units identifying system types and applications, including: small household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by checking for leaks, misalignment, corrosion, wear, colour, and worn, loose, damaged, defective, or missing components and connections, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9164.02 Diagnose and troubleshoot accessories and related components (used units), including: small household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by checking for operation, leaks, pressure, venting, flow, temperature, corrosion, vibration, noise, wear, misalignment, connections, fractures, odour, and colour; using hand, power, specialized, electrical, and electronic service tools, gauges, and leak-detection devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9164.03 Repair, replace, adjust or install accessories and related components (used units), including small household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by installing, maintaining, replacing, adjusting by using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9164.04 **Verify the repair, replacement, adjustment or installation of accessories and related components (used units)**, including: small household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by visually inspecting, and analysing performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9164.05 **Prepare and layout accessories and related components for installation (new units)**, including: household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by communicating with customer, reading blueprints and instructions, calculating installs based on power demands (i.e. solar panels and battery banks) and measuring; using hand tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9164.06 **Install accessories and related components (new units)**, including: household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by running wiring, programming (i.e. satellites, stereos), customizing, installing, completing trim work and cover plates; using hand, power, specialized, electrical, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9164.07 **Verify the installation of accessories and related components (new units)**, including: household appliances, auxiliary venting and cooling systems, awnings, slide toppers, add-a-rooms, covers (i.e. vent covers), skirting, storage, racking, and carrying systems, power jacks and levellers, central vacuum systems, audio, visual, and entertainment systems, satellite, antenna, and communication systems, security systems, solar-power systems, battery banks and inverters, generator systems, surge protection devices, switches, receptacles, connectors, wiring, fasteners, and mounting devices; by communicating with customer, demonstrating operation and use, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

9165.0 Estimate Repair, Replacement, and Installation Costs

General Performance Objective

Estimate and document the cost of repair, replacement or installation of interior and exterior body parts and components by visually inspecting, diagnosing, troubleshooting, and verifying the cost, according to customer and manufacturers' recommendations, specifications, safety requirements, and government regulations.

Skills

9165.01 Estimate and document the cost of repair, replacement, adjustment or installation by recording customer, insurance, and unit data, estimator's name, and the date; calculating costs of sublets, towing, storing, freight, rentals, set-up, disposal fees, taxes, labour, parts, and materials; notifying the customer of any requirement for sublet and additional repairs; and using prescribed specification charts, templates, price lists, manuals, and computer software, according to original equipment manufacturers' (OEM) recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

*** A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.**

9165.02 **Verify the accuracy of estimated repair, replacement, adjustment or installation costs** including: labour, parts, paint and materials, sublets, alignments, towing, storing, freight, rentals, disposals, and taxes; by validating quoted repairs to the vehicle, verifying the calculations of repair costs, and verifying customer, vehicle and insurance data; using parts and materials price lists, according to original equipment manufacturers' (OEM) recommendations, specifications, safety requirements, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

Definitions

Apprentice

- An individual who, pursuant to a registered Training Agreement, is receiving or is to receive training in a trade that is required as part of an apprenticeship program
- Holds a Training Agreement in either a compulsory or non-compulsory trade;
- Are subject to any ratios that have been set out in regulation and or recommended by industry for their trade(s);
- Remain as an Apprentice until they receive their Certificate of Apprenticeship

BOSTA

Building Opportunities in the Skilled Trades Act, 2021 (BOSTA)

Certificate of Apprenticeship (C of A)

A certificate issued to individuals who have demonstrated that they have completed an apprenticeship program in Ontario.

Certificate of Qualification (C of Q)

A certificate issued to an individual who has completed an apprenticeship or equivalent AND passed the Certificate of Qualification examination.

Competence

The ability of an individual to perform a skill, consistently without assistance, in the workplace as set out in the Logbook.

Competency Analysis Profile (CAP Chart)

A chart that identifies the training needs of an individual trade and details the skills/skill sets that must be demonstrated during an apprenticeship program.

Journeyman

Journeyman means an individual who holds a certificate of qualification (in a compulsory or non-compulsory trade) and/or an individual who practices as a journeyman in a non-compulsory trade who does not hold a certificate of qualification and has equivalent experience in that trade.

Mandatory Skill

Status assigned to unshaded individual skills, skill sets or general performance objectives which must be signed-off for the Apprentice to complete their program.

Optional Skill

Status assigned to shaded individual skills, skills sets or general performance objectives for which sign-off is not required for the Apprentice to complete the program.

Provisional Certificates of Qualification

- A Provisional Certificate of Qualification is issued to an individual who has obtained a Certificate of Apprenticeship (in both compulsory and non-compulsory trades) in a program that has a Certificate of Qualification examination, to which the individual has not yet passed the Certificate of Qualification examination.
- A Provisional Certificate of Qualification shall have the prescribed term or, if no term is prescribed, a term of one year.
- In a compulsory trade, the Provisional Certificate of Qualification allows a person to continue working legally in the trade for up to 12 months while they work to pass the certifying exam.
- Individuals with a Provisional Certificate of Qualification are subject to any ratios that have been set out for their trade(s).

Ratios

For the purpose of an Apprenticeship program, a ratio is the maximum number of Journeypersons to Apprentices. The purpose of ratios is to provide consistent supervision, training and continuity of work.

Red Seal Program

The Interprovincial Standards Red Seal Program (also known as the Red Seal Program) was established more than 50 years ago to provide greater mobility across Canada for skilled workers and represents a standard of excellence for industry. Through the program, individuals are able to obtain a Red Seal endorsement on their provincial/territorial certificates by achieving 70% or higher on an interprovincial Red Seal examination.

The Interprovincial Standards Red Seal Program acknowledges their competence and ensures recognition of their certification throughout Canada without further examination. There are currently over 50 Red Seal designated trades. **The Red Seal Program is recognized as the interprovincial *standard of excellence* in the skilled trades.** The Interprovincial Standards Red Seal Program is a partnership between the Government of Canada, the Provinces, the Territories and various stakeholders.

Sign-off

Signature of the Sponsor of record, or an individual to whom that Sponsor has delegated signing authority, (e.g. Trainer) indicating an Apprentice's demonstration of competence.

Skill

Individual competency/task described in the Logbook.

Skill Sets

Group or selection of individual skills found in the Logbook.

Skill Set Completion for Sponsors

Listing for all skill sets and includes space for sign-off by Sponsor of record.

Sponsor

Means a person that has entered into a registered Training Agreement under which the person is required to ensure that an individual is provided with workplace-based training in a trade as part of an apprenticeship program.

Sponsor of Record

Refers to the Sponsor documented as being signatory to the registered Training Agreement or Contract of Apprenticeship. In order for a Sponsor to be considered for the training of Apprentices, they must identify that the workplace has qualified persons or the equivalent on site, and can identify that the workplace has the tools, equipment, materials, and processes which have been identified by the Industry representatives for the trade.

Trainer

An individual who oversees the performance of a task and sets the workplace expectations and practices for the Apprentice. For a compulsory trade, a qualified Trainer is an individual who holds a Certificate of Qualification. In a non-compulsory trade, a Trainer is an individual who either holds a CofQ, CofA, or is considered equivalent.

Ready to Write Your Exam?

Many of the skilled trades in Ontario have a final certification examination that you must pass to become certified in your trade. Passing the examination gives you the right to hold yourself out as a Journeyperson and receive a Certificate of Qualification in your trade.

There are two types of trade certification examinations in Ontario:

1. Provincial (Ontario) examinations - which lead to a Certificate of Qualification.
2. Red Seal examinations – which lead to a Certificate of Qualification with an Interprovincial Red Seal endorsement.

If a trade is designated as Red Seal in Ontario, you will be writing the Red Seal examination. To access the Red Seal preparation guide please visit: red-seal.ca

Ontario's Exam Preparation Guide

[Exam Resources – Skilled Trades Ontario](#)

Basic Examination Details for You to Know

- You will have **up to four hours to write your examination.**
- Accommodations must be requested and approved prior to scheduling your examination.
- You can leave the examination centre if you complete the examination in less than four hours.
- Exam questions are multiple choice with four options from which you must choose the correct answer. Your examination may have between 90 and 150 multiple choice questions.
- You need a mark of 70% to pass.

Scheduling Your Examination

The examination scheduling process is currently outlined in detail on the Skilled Trades Ontario website: [Exam Scheduling – Skilled Trades Ontario](#)

Remember these 3 basic steps:

1. Confirm your eligibility to write the examination with Skilled Trades Ontario.
2. Contact Client Services at Skilled Trades Ontario to pay your examination fee.
3. Contact the local Service Delivery Office to schedule your examination in their examination centre: <https://www.ontario.ca/page/employment-ontario-apprenticeship-offices>

Instructions for Recording a Change in Sponsor

1. Record your first sponsor's information in Sponsor Record #1 – this would be the sponsor who has signed your initial apprenticeship Training Agreement for this trade.
2. If you do change sponsors prior to completing this apprenticeship, please contact your local Service Delivery Office immediately to update your sponsor record.
3. Please make sure you record all the information regarding any additional sponsors of record towards your apprenticeship using the Sponsor Records on the following pages (if applicable).

You must fill out a Change of Sponsor Record each time you change your sponsor.

Sponsor Record #1

Sponsor Information		
Apprentice Name		
Training Agreement #		Date (mm/dd/yy)
Sponsor Name		
Address		
Telephone		
E-mail Address		

Summary of Training	
Employment Start Date	
Employment End Date	
Total hours of training & instruction between dates of employment.	
Skill Sets Completed	

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy) _____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

***If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.**

Change of Sponsor Record #2

Sponsor Information		
Apprentice Name		
Training Agreement #		Date (mm/dd/yy)
Sponsor Name		
Address		
Telephone		
E-mail Address		

Summary of Training	
Employment Start Date	
Employment End Date	
Total hours of training & instruction between dates of employment.	
Skill Sets Completed	

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy) _____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

***If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.**

Change of Sponsor Record #3

Sponsor Information		
Apprentice Name		
Training Agreement #		Date (mm/dd/yy)
Sponsor Name		
Address		
Telephone		
E-mail Address		

Summary of Training	
Employment Start Date	
Employment End Date	
Total hours of training & instruction between dates of employment.	
Skill Sets Completed	

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy) _____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

***If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.**

Change of Sponsor Record #4

Sponsor Information		
Apprentice Name		
Training Agreement #		Date (mm/dd/yy)
Sponsor Name		
Address		
Telephone		
E-mail Address		

Summary of Training	
Employment Start Date	
Employment End Date	
Total hours of training & instruction between dates of employment.	
Skill Sets Completed	

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy) _____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

***If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.**

Appendix A — Instructions for Apprenticeship Program Completion

Once an Apprentice has completed all the classroom training and benchmark on-the-job hours specified for the trade and has acquired all the mandatory skills included in this Logbook.

The Apprentice and the Sponsor complete the Apprentice Completion Form and the Skill Set Completion for Sponsors Form located on the following pages.

1. They sign the forms and submit them to their local Service Delivery Office. To find the closest office, check the contact information at ontario.ca/page/employment-ontario-apprenticeship-offices or call the *Employment Ontario* toll free number at (1-800-387-5656).
2. For All Trades: All mandatory skills (or the combination indicated in the completion requirements for the trade) in the Logbook must be signed-off. The recommended hours are a benchmark. If the Sponsor is completing the Apprentice before the industry recommended training hours are done, staff may request further information regarding the Apprentice's on-the-job training. An example of a request would be a letter from the Sponsor confirming the Apprentice worked for some time in the trade before the initial Training Agreement was registered, thereby acquiring some skills beforehand.

If Apprentices are submitting the completion request form and supporting documentation to their local Service Delivery Office by mail, fax, or email (as a scanned document), they should not include their Logbook; if they are presenting this form in person at the local Service Delivery Office, they should bring their Logbook with them.

After staff verifies all the information in the completion request, they may contact either the Apprentice or the Sponsor for further information or documentation. Once the completion has been confirmed, the local Service Delivery Office will issue a Certificate of Apprenticeship to the Apprentice.

Skilled Trades Ontario will receive notification of this completion.

- If the Apprentice has completed a program in a **compulsory trade**, Skilled Trades Ontario will automatically register the Apprentice for a Provisional Certificate of Qualification to continue to work legally for one year while preparing for the certification examination.
- If an Apprentice completes their apprenticeship in a **non-compulsory trade** and there is a Certificate of Qualification exam, they must write and pass the exam to receive a Certificate of Qualification from Skilled Trades Ontario.

For permission to schedule an exam once completion is confirmed, the individual must first contact the Skilled Trades Ontario Client Services Department at 647-847-3000 or toll free at 1-855-299-0028 to pay the certification examination fee. Once you have paid your exam fee with Skilled Trades Ontario, book your exam by contacting your nearest Employment Ontario local Service Delivery Office.

Appendix B — Apprentice Completion Form

Please fill out both sides of this form, including the Skill Set Completion for Sponsors (see back of form). Once both sides are completed, submit the form to your local Service Delivery Office (find contact information at ontario.ca/page/employment-ontario-apprenticeship-offices or by calling Employment Ontario at (1-800-387-5656).

Apprentice Information	
Name (print)	
Client ID # Issued by Ministry	
Telephone Number(s)	

Sponsor Information	
Legal Name	
Address	
Telephone Number(s)	
Sponsor's Signing Authority <i>(print name)</i>	
E-mail Address	

Program Information	
Trade Name	
Number of hours required as per Training Agreement <i>(hours-based trades only)</i>	
Hours completed? <i>(documentation attached)</i>	Yes () No () Not applicable ()
Classroom training completed or exempt?	Yes () No () Not applicable ()

I hereby confirm that the information submitted on both sides of this form is true and accurate.

X _____
Apprentice's Signature Date

X _____
Signature of Sponsor's Signing Authority Date

Appendix C — Skill Set Completion for Sponsors

You will find the skill set numbers and titles in the Logbook's Table of Contents. By signing off each skill set in the table below, you are providing final confirmation, as the Apprentice's Sponsor, that the Apprentice has demonstrated competency in all the mandatory skills included in the skill set.

Skill Set #	Skill Set Title	Signing Authority Signature
9150	Protect Self and Others	
9151	Perform General Trade Practices	
9152	Perform Pre-Delivery Inspection (PDI)	
9153	Plumbing Systems and Components	
9154	Unit Electrical, Electronic and Computerized Systems (AC and DC)	
9155	Liquid Petroleum Gas (LPG) Systems and Components (Supply Systems)	
9156	Liquid Petroleum Gas (LPG) Connected Appliances and Components	
9157	Air Conditioning and Heat Pump Systems and Components	
9158	Hitching, Towing and Trailer Braking Systems and Components	
9159	Supplemental Braking Systems and Components (Towed Vehicles)	
9160	Interior Body Components	
9161	Exterior Body Components	
9162	Detail Interior and Exterior Body and Components	
9163	Chassis, Undercarriage and Running Gear Systems and Components (Towed)	
9164	Accessories and Related Components (New and Used Units)	
9165	Estimate Repair, Replacement and Installation Costs	

Ministry of Labour, Immigration, Training and Skills Development use only:

Sponsor verified as most recent sponsor of record: Yes () No ()

Documentation to support completion of hours attached: Yes () No ()

Completion of classroom training verified: Yes () No ()

Staff Name _____ Signature _____

Date _____

Appendix D — Local Service Delivery Offices in Ontario

For current office listings visit: ontario.ca/page/employment-Ontario-apprenticeship-offices

Location	Contact	Location	Contact
Barrie 705-737-1431	55 Cedar Pointe Dr Unit 609, Barrie, ON L4N 5R7	Marathon 807-346-1550	52 Peninsula Road, Suite 103 Marathon, Ontario, P0T 2E0
Belleville 613-968-5558 1-800-953-6885	135 North Front St, Belleville, ON K8P 3B5	Markham 905-513-2695	140 Allstate Parkway, Suite 505, Markham, Ontario L3R 5Y8
Brantford 519-756-5197	505 Park Rd North Suite 201, Brantford, ON N3R 7K8	North Bay 705-495-8515 1-800-236-0744	200 First Ave West, North Bay, ON P1B 3B9
Chatham 519-354-2766 1-800-214-8284	870 Richmond St West 1st Floor, Chatham, ON N7M 5J5	Ottawa 613-731-7100 1-877-221-1220	Preston Square, 347 Preston Street, Suite 310, Ottawa, ON K1S 3H8
Cornwall 613-938-9702 1-877-668-6604	132 Second St East Ste 202, Cornwall, ON K6H 1Y4	Owen Sound 519-376-5790 1-800-838-9468	1450 1st Ave West, Suite 100, Owen Sound, ON N4K 6W2
Dryden 807-456-2665 1-800-734-9572	Provincial Government Building, 479 Government St, Dryden, ON P8N 3K9	Peel 905-279-7333 1-800-736-5520	The Emerald Centre, 10 Kingsbridge Garden Circle, Suite 404, Mississauga, ON L5R 3K6
Durham 905-433-0595 1-800-461-4608	78 Richmond Street West, Oshawa, ON L1G 1E1	Pembroke 613-735-3911 1-800-807-0227	615 Pembroke St East, Pembroke, ON K8A 3L7
Elliot Lake 1-800-236-8817	50 Hillside Dr North, Elliot Lake, ON P5A 1X4	Peterborough 705-745-1918 1-877-433-6555	901 Lansdowne St West, Peterborough, ON K9J 1Z5
Fort Frances 807-274-8634	922 Scott St 2nd Flr, Fort Frances, ON P9A 1J4	Sarnia 519-542-7705 1-800-363-8453	162 Lochiel Street, Suite 101, Sarnia, ON N7T 7W5
Geraldton 807-854-1966	208 Beamish Avenue West Geraldton, Ontario P0T 1M0	Sault Ste. Marie 705-945-6815 1-800-236-8817	477 Queen St East 4th Flr, Sault Ste Marie, ON P6A 1Z5
Halton 905-842-5105 1-844-901-5105	700 Dorval Dr., Suite 201, Oakville, ON L6K 3V3	St Catharines 905-704-2991 1-800-263-4475	Garden City Tower, 301 St Paul St East, 10th Flr, St Catharines, ON L2R 7R4
Hamilton 905-521-7764 1-800-668-4479	Ellen Fairclough Bldg, 119 King St West 8th Flr, Hamilton, ON L8P 4Y7	Sudbury 705-564-3030 1-800-603-5999	159 Cedar St Ste 506, Sudbury, ON P3E 6A5
Kapuskasing 705-465-5785 705-235-1950	Ontario Government Complex, 122 Government Rd West, Kapuskasing, ON P5N 2X8	Thunder Bay 807-346-1550 1-800-439-5493	189 Red River Rd Suite 103, Thunder Bay, ON P7B 1A2
Kenora 807-468-2879 1-800-734-9572	227 1/2 Second St South, Kenora, ON P9N 1G4	Timmins 705-235-1950 1-877-275-5139	Ontario Government Complex, 5520 Highway 101 East Wing B, South Porcupine, ON P0N 1H0
Kingston 613-548-1151 1-866-973-4043	Alliance Business Centre, 299 Concession St Ste 201, Kingston, ON K7K 2B9	Toronto Centre 416-927-7366 1-800-387-5656	2 St Clair West, 11 th floor Toronto, ON M4A 1L5
Kitchener 519-653-5758 1-866-877-0099	4275 King St East, Kitchener, ON N2P 2E9	Toronto South 416-326-5800	625 Church St 1st Fl, Toronto, ON M7A 2B5
London 519-675-7788 1-800-265-1050	1200 Commissioners Rd E, Unit 72, London, ON N5Z 4R3	Windsor 519-973-1441	Roundhouse Centre, 3155 Howard Ave 2nd Fl, Suite 200, Windsor, ON N8X 4Y8

Competency Analysis Profile (CAP) Chart

9150.00 Protect Self and Others	9150.01 Identify potential workplace health and safety hazards	9150.02 Take corrective action against potential workplace health and safety hazards	9150.03 Handle, store and recycle hazardous workplace materials	9150.04 Wear and maintain personal protective equipment	9150.05 Comply with workplace-related legislation
	9150.06 Practise good housekeeping in the workplace	9150.07 Comply with Workplace Hazardous Materials Information System (WHMIS)	9150.08 Interpret and apply service-related information		
9151.00 Perform General Trade Practices	9151.01 Read and interpret, blueprints, drawings, schematics, assembly drawings, and service literature	9151.02 Interpret, identify, and research repair sequences, repair diagrams, flow charts, and specifications	9151.03 Verbally communicate with clients, co-workers, vendors and manufacturers	9151.04 Demonstrate written communication skills	9151.05 Demonstrate conflict resolution skills
	9152.01 Perform visual and operational inspection of unit systems and components	9152.02 Diagnose and troubleshoot unit systems and components	9152.03 Document repair requirements	9152.04 Complete pre-delivery inspection report (PDI)	9152.05 Verify accuracy of pre-delivery inspection report

Competency Analysis Profile: Recreation Vehicle Technician 690H *(all unshaded skill sets must be completed)*

<p>9153.00 Plumbing Systems and Components</p>	<p>9153.01 Perform visual inspection of plumbing systems and components</p>	<p>9153.02 Diagnose and troubleshoot plumbing systems and components</p>	<p>9153.03 Repair plumbing systems and components</p>	<p>9153.04 Verify repair of plumbing systems and components</p>	<p>9153.05 Apply winterizing procedures to plumbing systems and components</p>
<p>9154.00 Unit Electrical, Electronic and Computerized Systems (AC and DC)</p>	<p>9154.01 Perform visual and operational inspection of AC electrical, electronic and computerized systems and components</p>	<p>9154.02 Diagnose and troubleshoot AC electrical, electronic and computerized systems and components</p>	<p>9154.03 Repair, replace, or install AC electrical, electronic and computerized systems and components</p>	<p>9154.04 Verify repair, replacement, and installation of AC electrical, electronic and computerized systems and components</p>	<p>9154.05 Perform visual and operational inspection of DC electrical, electronic and computerized systems and components</p>
	<p>9154.06 Diagnose and troubleshoot DC electrical, electronic and computerized systems and components</p>	<p>9154.07 Repair, replace, or install DC electrical, electronic and computerized systems and components</p>	<p>9154.08 Verify repair, replacement, and installation of DC electrical, electronic and computerized systems and components</p>		
<p>9155.00 Liquid Petroleum Gas (LPG) Systems and Components (Supply Systems)</p>	<p>9155.01 Perform visual and operational inspection of Liquid Petroleum Gas (LPG) systems and components</p>	<p>9155.02 Diagnose and troubleshoot Liquid Petroleum Gas (LPG) systems and components</p>	<p>9155.03 Repair, replace, or install Liquid Petroleum Gas (LPG) systems and components</p>	<p>9155.04 Verify the repair, replacement, or installation of Liquid petroleum gas (LPG) systems and components</p>	<p>9155.05 Record repairs to Liquid Petroleum Gas (LPG) systems and components</p>

Competency Analysis Profile: Recreation Vehicle Technician 690H *(all unshaded skill sets must be completed)*

<p>9156.00 Liquid Petroleum Gas (LPG) Connected Appliances and Components</p>	<p>9156.01 Perform visual and operational inspection of Liquid Petroleum Gas (LPG) connected appliances and related components</p>	<p>9156.02 Diagnose and troubleshoot Liquid Petroleum Gas (LPG) connected appliances and related components</p>	<p>9156.03 Repair, replace, or install Liquid Petroleum Gas (LPG) connected appliances and related components</p>	<p>9156.04 Verify repair, replacement, and installation of Liquid Petroleum Gas (LPG) connected appliances and related components</p>	<p>9156.05 Record repairs to Liquid Petroleum Gas (LPG) connected appliances and components</p>
<p>9157.00 Air Conditioning and Heat Pump Systems and Components</p>	<p>9157.01 Perform visual and operational inspection of air conditioning, heat pump systems and components</p>	<p>9157.02 Diagnose and troubleshoot air conditioning, heat pump systems and components</p>	<p>9157.03 Repair air conditioning, heat pump systems and components</p>	<p>9157.04 Verify repair of air conditioning, heat pump systems and components</p>	
<p>9158.00 Hitching, Towing, and Trailer Braking Systems and Components</p>	<p>9158.01 Perform visual and operational inspection of hitching, towing, and trailer braking systems and components</p>	<p>9158.02 Diagnose and troubleshoot hitching, towing, and trailer braking systems and components</p>	<p>9158.03 Repair, replace, install or remove hitching, towing, and trailer braking systems and components</p>	<p>9158.04 Verify repair, replacement, or installation of hitching, towing, and trailer braking systems and components</p>	

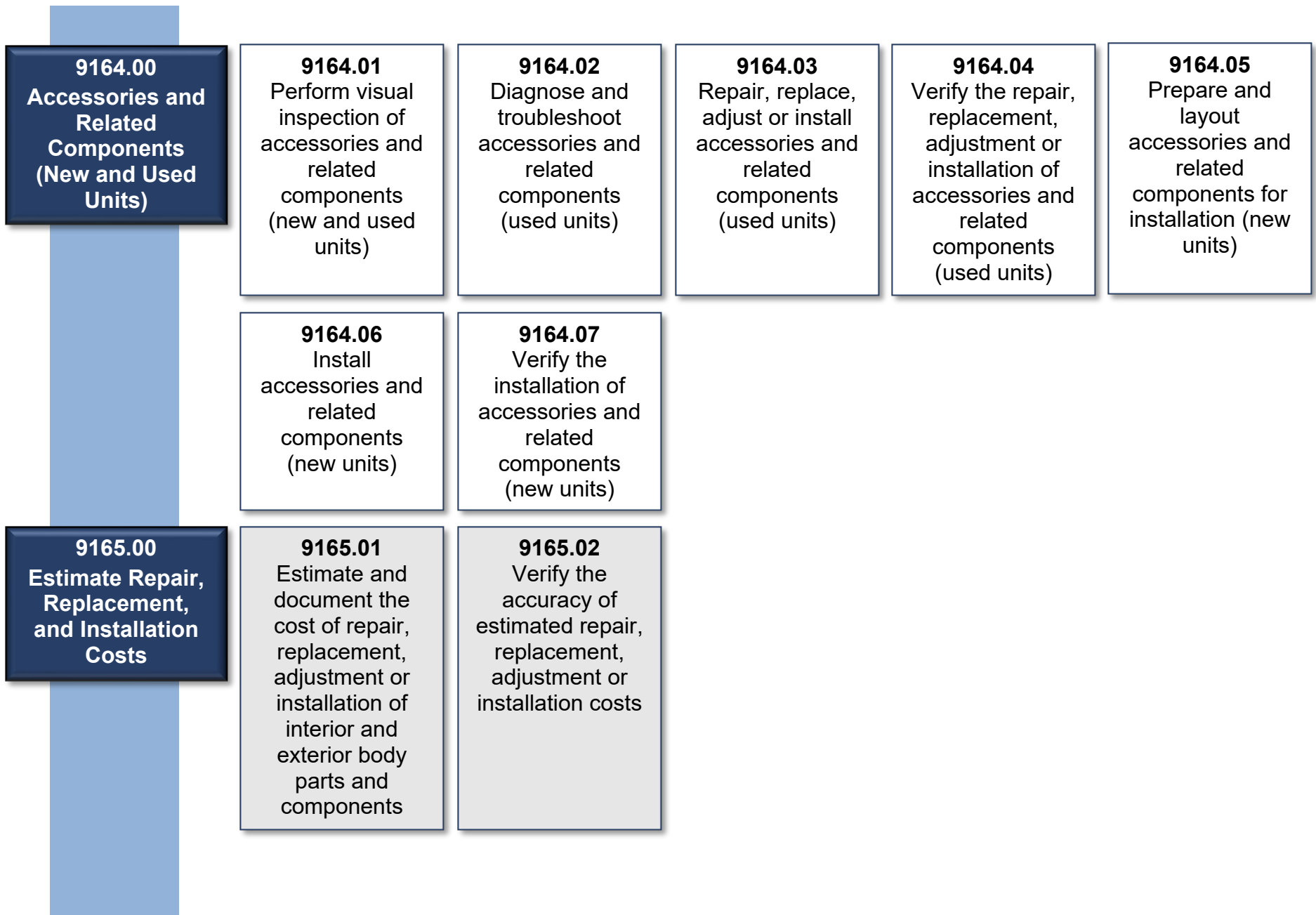
Competency Analysis Profile: Recreation Vehicle Technician 690H *(all unshaded skill sets must be completed)*

9159.00 Supplemental Braking Systems and Components (Towed Vehicles)	9159.01 Perform visual and operational inspection of supplemental braking systems and components	9159.02 Diagnose and troubleshoot supplemental braking systems and components	9159.03 Repair, replace, install or remove supplemental braking systems and components	9159.04 Verify repair, replacement, or installation of supplemental braking systems and components
9160.00 Interior Body Components	9160.01 Perform visual and operational inspection of interior body components	9160.02 Diagnose and troubleshoot the condition of interior body components	9160.03 Repair, replace, install or adjust interior body components	9160.04 Verify repair, replacement, or installation or adjustment of interior body components
9161.00 Exterior Body Components	9161.01 Perform visual and operational inspection of exterior body components	9161.02 Diagnose and troubleshoot the condition of exterior body components	9161.03 Repair, replace, install or adjust exterior body components	9161.04 Verify repair, replacement, or installation or adjustment of exterior body components

Competency Analysis Profile: Recreation Vehicle Technician 690H (all unshaded skill sets must be completed)



Competency Analysis Profile: Recreation Vehicle Technician 690H *(all unshaded skill sets must be completed)*



Notes

Completing Your Apprenticeship Program

Once your sponsor agrees you are competent in the required skills, your hours are complete and you have completed all the levels of classroom training required for your trade:

- ✓ Follow the completion instructions on the Completion Form (Appendix A) in the Logbook.
- ✓ Answer any questions that MLITSD staff may have and provide any additional completion documentation that may be required.
- ✓ Once completion is confirmed, MLITSD will issue you a Certificate of Apprenticeship and notify Skilled Trades Ontario.

After Your Apprenticeship

If you are in a trade with a certification exam, Skilled Trades Ontario will receive notice of your completion.

For compulsory trades, you will be issued a Provisional Certificate of Qualification which will allow you to work legally for up to 12 months until you write and pass your examination.

For a non-compulsory trade, once you pass your examination, you will be issued a Certificate of Qualification for your trade.

Preparing For Your Exam

- **To pay for a Certificate of Qualification examination, contact Skilled Trades Ontario** Client Services Department at: 647-847-3000 or toll free at 1-855-299-0028
- **To schedule your exam:** Once you have paid, contact your local Service Delivery Office to book your exam.
- **Download Skilled Trades Ontario exam preparation guide at:** [Exam Resources – Skilled Trades Ontario](#) and/or view the exam preparation guide for Red Seal trades at: red-seal.ca



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Recreation Vehicle Service Technician