



ONTARIO COLLEGE OF TRADES

ORDRE DES MÉTIERS DE L'ONTARIO

Apprenticeship
Training Standard
Log Book

**Auto Body & Collision
Damage Repairer**

310B

What Is This About?

The Apprenticeship Training Standard Log Book identifies all the skills associated with your trade in Ontario. It is written in statements that describe how you, the apprentice, must perform each skill in order to be considered competent in that skill.

Training As An Apprentice

- ✔ Notify Ministry of Training, Colleges and Universities (MTCU) staff **immediately** of any changes to contact information or training agreement, especially if you change sponsors.
- ✔ Review the Log Book regularly with your trainer and sponsor to track your progress.
- ✔ 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.
- ✔ Pay your annual membership fee to the Ontario College of Trades and keep your membership in good standing.



Completing Your Log Book

There are two types of signatures required in your Log Book:

Skill Confirmation

You and your trainer sign off each required skill to confirm that you have demonstrated competency in that skill.

Skill Set Confirmation

After you and your trainer have signed off all the required skills in a skill set, **your sponsor** signs the signature box at the end of each skill set to confirm your competency in the skill set.

Shaded boxes in your Log Book 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.

Changing Sponsors

- ✔ Contact MTCU immediately if you change sponsors as you will need to sign a new Registered Training Agreement.
- ✔ Record your original Sponsor's information in Sponsor Record #1 (the sponsor who has signed your initial Registered Training Agreement).



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.



ONTARIO COLLEGE OF TRADES
ORDRE DES MÉTIERS DE L'ONTARIO

Apprentice Name: _____

Address: _____

Phone Number: _____

Email Address: _____

Trade: _____

Ministry of Training, Colleges and Universities Registered Training Agreement #:

OCOT Membership #:

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 Training Standard Log Book or about your Apprenticeship program, contact your Apprenticeship office (see Appendix D in this book) or the Employment Ontario hotline at: 1-800-387-5656.

You must become a member of the College of Trades Apprentices Class and maintain your membership in good standing while you complete your training. For more information on membership, please visit the College of Trades website at: collegeoftrades.ca

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

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TERMS AND CONDITIONS AS PER REGISTERED TRAINING AGREEMENT

The Apprentice agrees:

- to inform the Ministry of Training, Colleges and Universities of any change to their 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 Apprentice Training Standard Log Book (Log Book) for the Trade which is part of the apprenticeship program established by the Ontario College of Trades for the trade;
- to obtain written verification from the Sponsor and the Trainer(s) that the requirements in the Log Book for the trade have been met.

The Sponsor agrees:

- to ensure that the Apprentice is provided with the training required as part of the apprenticeship program established by the College of Trades for this trade;
- to ensure that the Trainer(s) verifies, in writing, when each skill identified in the Log Book for the trade has been successfully completed by the Apprentice;
- 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.

RESOURCE	LINK
Red Seal Program	red-seal.ca
Ministry of Training, Colleges and Universities	tcu.gov.on.ca
Employment Ontario	tcu.gov.on.ca/eng/employmentontario.ca
Service Canada	servicecanada.gc.ca
Ontario College of Trades and Apprenticeship Act, 2009	<i>Ontario College of Trades and Apprenticeship Act, 2009</i>
Ontario Ministry of Labour – Health and Safety Partners	labour.gov.on.ca
College of Trades Appointments Council	cot-appointments.ca
Essential Skills Ontario	essentialskillsontario.ca
Exam Preparation Guide	collegeoftrades.ca

INTRODUCTION TO THE LOG BOOK

On April 8th, 2013, the Ontario College of Trades (College) became responsible for the development and maintenance of Log Books in the Province of Ontario.

Please refer to the College of Trades website for the most accurate and up-to-date information: collegeoftrades.ca

This Log Book is intended to be used by the Apprentice and Sponsor as an official record of training. The completion of this document is necessary to complete your apprenticeship and receive your Certification of Apprenticeship.

The Log Book identifies skills required for this trade and its related training program. It has been written in statements which describe how you, the Apprentice, must perform each skill in order to become competent in your trade.

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

This on-the-job Log Book is a document issued to Apprentices who sign a Registered Training Agreement in the Province of Ontario. It is designed to record an Apprentice's acquired skills and time worked for the trade to which they are registered. This Log Book is developed by the Ontario College of Trades and used by the Ministry of Training, Colleges and Universities.

This Apprenticeship Training Standard for Auto Body & Collision Damage Repairer was developed in consultation with representatives from industry and may include members from a related Trade Board/Working Committees.

The information presented in this standard is, to the best of our knowledge, current at time of printing and is intended for general application.

ROLES AND RESPONSIBILITIES

Ontario College of Trades

Under the [Ontario College of Trades and Apprenticeship Act, 2009 \(OCTAA\)](#), the College of Trades is responsible for:

- Establishing and maintaining qualifications for membership;
- Issuing Certificates of Qualification and Statements of Membership;
- Maintaining a [Public Register](#) of members;
- Receiving and investigating complaints, and determining disciplinary action;
- Establishing Apprenticeship Programs, Training Standards and Scopes of Practice for each trade;
- Conducting Trade Equivalency Assessments;
- Determining Journeyperson-to-Apprentice ratios;
- Addressing compliance with legislation (OCTAA) and regulations; and,
- Promoting the skilled trades and conducting research.

For any matters related to your membership in the Apprentices class, you must contact the College of Trades directly at: (647) 847-3000 or toll free at: 1(855) 299-0028.

Ministry of Training, Colleges and Universities

Is responsible for:

- Registering Training Agreements;
- Approving which persons may provide apprenticeship training;
- Approving Training Delivery Agents;
- Issuing Certificates of Apprenticeship;
- Administering Certificate of Qualification examinations;
- Promoting skilled trades and apprenticeship;
- Conducting policy development, evaluation and research; and,
- Passing regulations.

For any matter related to your Registered Training Agreement or completing your apprenticeship, you must contact your Local Apprenticeship Office at the Ministry of Training, Colleges and Universities.

Roles and Responsibilities of the Apprentice

An Apprentice is an individual who has entered into an Registered Training Agreement with a Sponsor to receive training in a trade as part of an apprenticeship program established by the College of Trades.

As an Apprentice, you have certain roles and responsibilities to follow throughout your apprenticeship training:

Steps:

1. You must become a member of the College of Trades Apprentices Class and maintain your membership in good standing while you complete your training. For more information on membership, please visit the College of Trades website at: collegeoftrades.ca
2. As an Apprentice, you are responsible for completing skills or skill sets in this Log Book and ensuring that they are dated and signed by both you and your Trainer.
3. You must also ensure your Skill Set Completion Form is completed and signed by your current Sponsor once you have demonstrated competence in all the mandatory skills in this Log Book. Once this is done, we recommend you submit the Log Book to your local Ministry of Training, Colleges and Universities office.
4. You are responsible for informing the staff at your local Ministry of Training, Colleges and Universities 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.
5. You must present the Apprentice Completion Form (Please refer to Appendix B), once all unshaded skills and skill sets have been completed within this document, along with your authorized Log Book to your local Ministry of Training, Colleges and Universities office.

Roles and Responsibilities of Sponsors and Trainers

Log Books identify the on-the-job skills required for a trade and its related training program.

This Log Book has been written in concise statements which describe how well an Apprentice must perform each skill in order to become competent. Competence means being able to perform to the required standard.

By using this Log Book, Trainers will be able to ensure that the Apprentice is developing skills detailed for the trade.

Trainers and Apprentices are required to sign off and date the skills following each successful acquisition.

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.

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.

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, employees and the public. Therefore, it is imperative that all parties become aware of circumstances that may lead to injury or harm. Safe learning experiences and environments can be created by controlling the variables and behaviours that may contribute to or cause an accident or injury.

It is generally recognized that a safe attitude contributes to an accident free environment. Everyone will benefit as a result of a healthy attitude towards prevention of accidents.

A tradesperson is possibly exposed to more hazards than any other person in the work force and, therefore, should be familiar with and apply Occupational Health and Safety Act and Regulations dealing with personal safety and the personal safety rules applying to each task.

Legal and Administrative Aspects of Safety:

Accident prevention and the provisions of safe working conditions are the responsibilities of an employer and employee.

Employer's Responsibilities - The employer is responsible for:

- Providing and maintaining safety equipment and protective devices;
- Ensuring proper safe work clothing is worn;
- Enforcing safe working procedures;
- Providing safeguards for machinery, equipment and tools;
- Observing all accident prevention regulations; and,
- Training employees in the safe use and operation of equipment.

Employee's Responsibilities - The employee is responsible for:

- Working in accordance with the safety regulations pertaining to the job environment;
- Working in such a way as not to endanger themselves or fellow employees and the public.

Workplace Health and Safety's Responsibilities:

- Workplace Health and Safety (Ontario's Ministry of Labour) will conduct periodic inspections of the workplace to ensure that safety regulations for industry are being observed.

APPRENTICESHIP PROGRAM SUMMARY/GUIDELINES

AUTO BODY AND COLLISION DAMAGE REPAIRER

The Scope of Practice for the trade of Auto Body and Collision Damage Repairer is set out in Section 5 of Ontario Regulation 277/11 under OCTAA, 2009 and it includes engaging in the repair of motor vehicles, motor coaches, trucks or truck-trailers by doing any of the following:

1. Repairing, reshaping, refitting and welding breaks in body panels, fenders and skirtings.
2. Shrinking or stretching metal panels by heat treatment.
3. Removing or replacing electrical, electronic and vacuum components.
4. Repairing, removing or replacing wiring harnesses, air-conditioning systems and water pumps.
5. Straightening and aligning frames and unibody assemblies.
6. Removing, replacing or adjusting steering and suspension components.
7. Aligning wheels. O. Reg. 277/11, s.5.

While the Log Book draws on the scope of practice regulation (Section 5 of Ontario Regulation 277/11 under OCTAA) the Training Standard 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 **7280** hours as the duration necessary for any Apprentice to become competent in the skills required. There may be circumstances in which the duration varies from this guideline.

In-School 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.

Journeyman to Apprentice Ratio

While some of the trades regulated under OCTAA are subject to Journeyman to Apprentice ratios (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 to 1 Apprentice as the ratio necessary for an Apprentice to be properly trained on the job in this program.

Program Requirements

Compulsory and Voluntary Classification

Regulations under OCTAA set out the regulated trades in Ontario and the classification of each trade as either “compulsory” or “voluntary.” The trade of Auto Body & Collision Damage Repairer is compulsory.

Eligibility for Apprenticeship Program Completion

The Apprentice must:

- Achieve competency in all mandatory (unshaded) skills as identified in the Log Book
- Complete the in-school training as outlined in the industry and Ministry of Training, Colleges and Universities approved Curriculum Standard

It is the responsibility of an Apprentice to maintain a training record in the form of an Ontario College of Trades Apprenticeship Training Standard Log Book. The Sponsor and Trainer are required to sign-off when competencies in the trade are achieved.

ESSENTIAL SKILLS SUMMARY

Essential skills are needed for work, learning and life. They provide the foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Through extensive research, the Government of Canada and other national and international agencies have identified and validated nine essential skills. These skills are used in nearly every occupation and throughout daily life in different ways.

A series of tools endorsed by the Canadian Council of Directors of Apprenticeship (CCDA) have been developed to support apprentices in their training and to be better prepared for a career in the trades. The tools can be used independently or with the assistance of a tradesperson, trainer, employer, teacher or mentor to:

- Understand how essential skills are used in the trades;
- Learn about individual essential skills strengths and areas for improvement, and,
- Improve essential skills and increase success in an apprenticeship program.

A link to the complete essential skills profile for Red Seal trades can be found at red-seal.ca.

TRAINING THE APPRENTICE

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 habits;
- Use your Apprenticeship Log Book as a journal to keep track of the skills you have achieved;
- Listen to the suggestions of your Trainer;
- Discuss your training needs with your Sponsor;
- Review your training plan with your Training Consultant, Trainer, or Sponsor;
- 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. Once a 'set of skills' have been signed off, ensure your Sponsor signs off this area as well.

Sponsor

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.

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.);
- Encourage safe work habits;
- Provide time for the Trainer to 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;
- Set out clear expectations, and recognize good performance;
- Involve both the Apprentice and Trainer in developing the training plan and observe frequently;
- Provide constructive feedback and conduct regular performance reviews involving the Apprentice and Trainer;
- Use the Log Book 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.

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 a member of the College of Trades Journeypersons Class.

In voluntary trades, a Trainer is an individual who holds one of the following:

- A valid Certificate of Qualification and is a member of the College of Trades Journeypersons Class; or,
- Holds a Statement of Membership in the College of Trades Tradespersons Class; or,
- Holds a Certificate of Qualification previously issued by Ministry of Training, Colleges and Universities; or,
- Holds 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 (eligible to apply to College membership in the Journeypersons or Tradespersons Classes) or has the skills outlined in the Log Book.

A classroom instructor is not permitted to sign-off the skills contained within this Log Book.

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 Log Book with the Apprentice and develop a training plan;
- Set out clear expectations and recognize good performance;
- Ensure that the Apprentice receives on-the-job trade training experience as outlined in this document;
- Encourage and respond to all questions;
- Be patient;
- Explain, show and demonstrate the skill;
- Provide continuous feedback;
- Sign-off skills when your Apprentice demonstrates competency, and,
- Use the Log Book as a guide to evaluate competence in each skill area. By using the Log Book, Trainers will be able to ensure that the Apprentice is developing skills outlined in this document.

NOTICE OF COLLECTION OF PERSONAL INFORMATION

1. At any time during your apprenticeship training, you may be required to show this Log Book to the Ministry of Training, Colleges and Universities. You will be required to submit the signed Apprenticeship Completion form to the Ministry of Training, Colleges and Universities in order to complete your program. The Ministry of Training, Colleges and Universities 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 Ministry of Training, Colleges and Universities will disclose information about your program completion and your Certificate of Apprenticeship to the Ontario College of Trades, as it is necessary for the College of Trades to carry out its responsibilities.
3. Your personal information is collected, used and disclosed by the Ministry under the authority of the *Ontario College of Trades and Apprenticeship Act, 2009*.
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 Training, Colleges and Universities
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.

AUTO BODY & COLLISION DAMAGE REPAIRER

INSPECT, REMOVE, AND REPLACE SUPPLEMENTAL RESTRAINT SYSTEMS	Perform a visual inspection, identifying the types of supplemental restraint systems (SRS) and defective or damaged related components	Diagnose supplemental restraint systems (SRS) and related damaged or defective components	Remove, install or replace supplemental restraint systems (SRS) and related damaged or defective components	Verify the installation, performance, and function of supplemental restraint systems (SRS) and damaged or replaced related components	
U9025.0	U9025.01	U9025.02	U9025.03	U9025.04	
WELD, HEAT, AND CUT USING METAL INERT GAS WELDER (MIG)	Perform a visual inspection of Metal Inert Gas welder (MIG) equipment	Diagnose damaged vehicle parts and components	Select Metal Inert Gas welder (MIG) equipment	Set up Metal Inert Gas welder (MIG) equipment	Repair damaged vehicle parts and components
U9026.0	U9026.01	U9026.02	U9026.03	U9026.04	U9026.05
	Verify the integrity of the repaired joints and welds on all vehicle parts and components				
	U9026.06				
WELD, HEAT, AND CUT USING SQUEEZE-TYPE RESISTANCE SPOT WELDER (STRSW)	Perform a visual inspection of STRSW equipment	Diagnose damaged vehicle parts and components	Set up STRSW equipment	Repair damaged vehicle parts and components	Verify the integrity of the repaired joints and welds on all vehicle parts and components
U9027.0	U9027.01	U9027.02	U9027.03	U9027.04	U9027.05
WELD, HEAT, AND CUT USING SHIELDED METAL ARC WELDER (SMAW)	Perform a visual inspection of SMAW equipment	Diagnose damaged vehicle parts and components	Set up SMAW equipment	Repair damaged vehicle parts and components	Verify the integrity of the repaired joints and welds on all vehicle parts and components
U9028.0	U9028.01	U9028.02	U9028.03	U9028.04	U9028.05
WELD, HEAT, AND CUT USING OXYFUEL EQUIPMENT	Perform a visual inspection of oxyfuel heating and cutting equipment	Diagnose damaged vehicle parts and components	Set up oxyfuel heating and cutting equipment	Repair damaged vehicle parts and components	Verify the condition of heating and cutting repair area by visually inspecting all vehicle parts and components
U9029.0	U9029.01	U9029.02	U9029.03	U9029.04	U9029.05
WELD, HEAT, AND CUT USING PLASMA ARC CUTTER	Perform a visual inspection of plasma arc cutting equipment	Diagnose damaged vehicle parts and components	Set up plasma arc heating and cutting equipment	Repair damaged vehicle parts and components	Verify the condition of heating and cutting repair area
U9030.0	U9030.01	U9030.02	U9030.03	U9030.04	U9030.05

AUTO BODY & COLLISION DAMAGE REPAIRER

REPAIR VEHICLE BODIES AND COMPONENTS U9031.0	Perform a visual inspection of vehicle body and components, identifying the types of body parts U9031.01	Diagnose the condition of vehicle body and components U9031.02	Repair vehicle body and components U9031.03	Verify the repair of vehicle body and components U9031.04	
PERFORM PAINTLESS DENT REPAIR (PDR) U9032.0	Perform a visual inspection of exterior vehicle body panels U9032.01	Diagnose and troubleshoot exterior vehicle body panels U9032.02	Repair dents on exterior vehicle body panels U9032.03	Verify the repair of dents on exterior body panels U9032.04	
REPAIR PLASTICS AND FIBREGLASS U9033.0	Perform a visual inspection of plastic and fibreglass body parts, identifying the substrate types U9033.01	Diagnose the condition of plastic and fibreglass body parts U9033.02	Prepare repair area to set up and perform structural bonding and finishing U9033.03	Verify the repair of plastic and fibreglass body parts U9033.04	
REPAIR ELECTRICAL AND ELECTRONIC SYSTEMS AND COMPONENTS U9034.0	Perform a visual inspection of electrical and electronic systems and components U9034.01	Diagnose and troubleshoot electrical and electronic systems and components U9034.02	Repair electrical and electronic systems and components U9034.03	Verify the repair of electrical and electronic systems and components U9034.04	
REPAIR ADVANCED ELECTRONIC SAFETY AND CONVENIENCE SYSTEMS AND COMPONENTS U9035.0	Perform a visual inspection of advanced electronic safety and convenience systems and components U9035.01	Diagnose and troubleshoot advanced electronic safety and convenience systems and components U9035.02	Repair advanced electronic safety and convenience systems and components U9035.03	Verify the repair of advanced electronic safety and convenience systems and components U9035.04	
REPAIR COOLING, HEATING, AND AIR CONDITIONING SYSTEMS AND COMPONENTS U9036.0	Perform a visual inspection of cooling, heating, and air conditioning systems and components U9036.01	Diagnose and troubleshoot cooling and heating systems and components U9036.02	Repair cooling and heating systems and components U9036.03	Verify the repair of cooling and heating systems and components U9036.04	Diagnose and troubleshoot air conditioning systems and components U9036.05
	Repair air conditioning systems and components U9036.06	Verify the repair of air conditioning systems and components U9036.07			

AUTO BODY & COLLISION DAMAGE REPAIRER

REPAIR FRAMES AND UNIBODY ASSEMBLIES U9037.0	Perform a visual inspection of frames and unibody systems and components U9037.01	Diagnose and troubleshoot frames and unibody systems and components U9037.02	Repair frames and unibody systems and components U9037.03	Verify the repair of frames and unibody systems and components U9037.04	
REPAIR STEERING AND SUSPENSION SYSTEMS U9038.0	Perform a visual inspection of steering and suspension components U9038.01	Diagnose and troubleshoot steering systems and components U9038.02	Repair steering systems and components U9038.03	Verify the repair of steering systems and components U9038.04	Diagnose and troubleshoot suspension systems and components U9038.05
	Repair suspension systems and components U9038.06	Verify the repair of suspension systems and components U9038.07			
REPAIR GLASS AND RELATED COMPONENTS U9039.0	Perform a visual inspection of glass and related components U9039.01	Diagnose and troubleshoot glass and related components U9039.02	Repair or replace glass and related components U9039.03	Verify the repair of glass and related components U9039.04	
REFINISH VEHICLE BODIES, TRIM, AND COMPONENTS U9040.0	Perform a visual inspection of repaired interior and exterior body parts for refinishing U9040.01	Diagnose and prepare imperfections in the repaired interior and exterior body parts U9040.02	Refinish prepared interior and exterior body parts U9040.03	Verify the final finish and colour match of interior and exterior body parts U9040.04	
ESTIMATE DAMAGE REPAIR U9041.0	Perform a visual inspection of damaged vehicle interior and exterior parts and components U9041.01	Diagnose and troubleshoot damaged vehicle interior and exterior parts and components U9041.02	Estimate repair costs of damaged vehicle parts and components U9041.03	Verify the accuracy of estimated repair costs of damaged vehicle parts and components U9041.04	

U9021 PROTECT SELF AND OTHERS

GENERAL PERFORMANCE OBJECTIVE

Comply with occupational health and safety procedures by identifying 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; complying with the *Environmental Protection Act* and Workplace Hazardous Materials Information System (WHMIS) guidelines, according to the *Occupational Health and Safety Act*, manufacturers’ specifications, recommendations, safety requirements, and government regulations.

SKILLS

U9021.01 Identify workplace environmental, health, and safety hazards, including excessive exhaust and explosive fumes, gas and alternate fuels, paint, primer, epoxy, urethanes, fillers and dust fumes, sand blasting, sound levels, undeployed air bags, sensors, welding fumes, and electrical and mechanical hazards (i.e., damaged or faulty air lines or inadequate ventilation), use and knowledge of fire suppression equipment so that the potential for personal injury and damage to equipment, vehicles, and the environment are minimized, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.02 Take preventative action against workplace environmental, health, and safety hazards, including excessive exhaust and explosive fumes, gas and alternate fuels, paint, primer, epoxy, urethanes, fillers and dust fumes, sand blasting, sound levels, undeployed air bags, sensors, welding fumes, and electrical and mechanical hazards (i.e., damaged or faulty air lines or inadequate ventilation), use and knowledge of fire suppression equipment so that the potential for personal injury and damage to equipment, vehicles, and the environment are minimized, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.03 Handle, store, and recycle hazardous workplace materials, including paint and primer materials, hardeners, solvents, antifreeze, new and used lubricants and fluids, brake and filler dust, battery acid, Freon, gases, undeployed air bags, and welding tanks, by using personal protective equipment and specified handling, storage, and recycling procedures, so that individuals are protected from injury and the environment from contamination, and safety procedures are followed, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.04 Wear and maintain personal protective equipment (PPE), including eye, ear, hand, respiratory, body, and foot protection, ensuring that the fit is correct and optimum protection is provided to the wearer for the specific task performed, according to *Occupational Health and Safety Act*, manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.05 Comply with workplace-related legislation relating to occupational health, safety, environmental protection, and business and trade practices, including the *Occupational Health and Safety Act*, *Motive Vehicle Repair Act*, *Highway Traffic Act*, and *Environmental Protection Act*, by identifying the personal and legal liabilities of technicians and the employer when performing work estimates, repairing or replacing damaged parts, conducting vehicle safety and structural inspections, and conducting road testing, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.06 Interpret and apply service-related safety information, including service bulletins, manuals, and parts catalogues, by accessing computerized service information systems, so that service or repair is performed according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.07 Practice good housekeeping in the workplace by applying fire hazard prevention methods, including 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 using, storing, and maintaining tools and equipment to minimize accident or injury to self and others, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9021.08 Comply with Workplace Hazardous Materials Information System (WHMIS) guidelines, by reading and interpreting labels and Material Safety Data Sheets (MSDS) and ensuring training in WHMIS regulations and practices, according to the *Occupational Health and Safety Act*, and manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9021: PROTECT SELF AND OTHERS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9022.0 DETAIL INTERIOR AND EXTERIOR VEHICLE BODY AND COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Detail the interior and exterior vehicle body and components by performing a visual inspection and diagnosing and verifying the detailing performance according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9022.01 Perform a visual inspection of the condition of interior and exterior vehicle body and components, including trim, upholstery, carpet, trunk and engine compartment, exterior trim, wheels, stripes, decals, mouldings and glass, paint finish, underbody, and fasteners and mounting locations, by checking for staining, discolouration, mould growth, bacteria and other biological substances, dirt, glass fragments, odours, overspray, undercoating, paint imperfections, chemical discoloration, rail dust, environmental contamination, and loose, damaged, and missing components, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9022.02 Diagnose the condition of interior and exterior vehicle body and components, including trim, upholstery, carpet, trunk and engine compartment, exterior trim, wheels, stripes, decals, mouldings and glass, paint finish, underbody, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for types of stains, discolouration, mould growth, bacteria and biological substances, odours chemical and environmental contamination, and loose, damaged, and missing components; and using magnifying devices, lights, wipes, and chemical agents, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9022.03 Perform detailing of interior and exterior vehicle body and components, including trim, upholstery, carpet, trunk and engine compartment, exterior trim, wheels, stripes, decals, mouldings and glass, paint finish, underbody, and fasteners and mounting locations, by vacuuming, shampooing, and stain removing; disinfecting, deodorizing, buffing, and washing; and using chemical agents, air, hand, power and specialized tools and equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9022.04 Verify the detailing of interior and exterior vehicle body and components, including trim, upholstery, carpet, trunk and engine compartment, exterior trim, wheels, stripes, decals, mouldings and glass, paint finish, underbody, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function of detailing methods and materials; and using lighting and wipes, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9022: DETAIL INTERIOR AND EXTERIOR VEHICLE BODY AND COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9023.0 PREPARE VEHICLE FOR REFINISHING

GENERAL PERFORMANCE OBJECTIVE

Diagnose the condition of and prepare all vehicle body parts and components for refinishing, by visually inspecting and diagnosing the condition; applying protective masking; preparing the areas for the appropriate finish; and verifying the paint types and colour identification codes, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9023.01 Perform a visual inspection of all vehicle body parts and components for refinishing, by identifying the types, including, trim, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels; checking for scratches, delamination, swelling, oxidation, distortion, discoloration, and environmental damage, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9023.02 Diagnose the condition of all vehicle body parts and components for refinishing, including, trim, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels, by visually inspecting, testing, and analysing performance and function; checking for paint types, colour identification codes, paint thickness, and type of body material; and using paint gauge and proper lighting, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9023.03 Prepare all vehicle body parts and components to be refinished, including, trim, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels, by removing necessary trim, hardware, pinstriping, and decals; protecting non-affected areas; washing with detergent and chemicals; stripping and sanding; applying specified ground coats; resanding and cleaning; and apply final masking; and using hand, power, and specialized tools; spray guns; wipes; masking, sanding, and stripping materials; and primers and ground coats, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9023.04 Verify the preparation of all vehicle body parts and components to be refinished, including trim, bumpers, hoods, fenders, doors, roofs, quarter panels, trunk lids, floors, and structural panels, by visually inspecting, testing, and analysing readiness for refinishing; and verifying the paint types and colour identification codes, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9023: PREPARE VEHICLE FOR REFINISHING		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9024.0 REPAIR TRIM COMPONENTS AND HARDWARE

GENERAL PERFORMANCE OBJECTIVE

Repair and or replace trim components and hardware by visually inspecting, diagnosing, troubleshooting, repairing, and verifying the repair or replacement of trim components and hardware, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9024.01 Perform a visual inspection, identifying trim components and hardware, including exterior and interior trim, panels, handles, hinges, locks, latches, weather stripping, dashboard assemblies, headliners, all windows and glass, wheel covers and alloy wheels, bumper covers, windshield wiper assemblies, mirrors, sunroof, roof racks, convertible tops and related components, lighting and lighting trim assemblies, steps, handholds, floor coverings, seats, seat belts, switches, and fasteners and mounting locations, by checking for alignment, damage, wear, corrosion, distortion, fractures, burns, stains, noises, leaks, vibration, and missing components, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9024.02 Diagnose and troubleshoot trim components and hardware, including exterior and interior trim, panels, handles, hinges, locks, latches, weather stripping, dashboard assemblies, headliners, all windows and glass, wheel covers and alloy wheels, bumper covers, windshield wiper assemblies, mirrors, sunroof, roof racks, convertible tops and related components, lighting and lighting trim assemblies, steps, handholds, floor coverings, seats, seat belts, switches, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for alignment, damage, wear, corrosion, distortion, fractures, burns, stains, noise, leaks, vibration, and missing components; and using hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9024.03 Repair or replace trim components and hardware, including exterior and interior trim, panels, handles, hinges, locks, latches, weather stripping, dashboard assemblies, headliners, all windows and glass, wheel covers and alloy wheels, bumper covers, windshield wiper assemblies, mirrors, sunroof, roof racks, convertible tops and related components, lighting and lighting trim assemblies, steps, handholds, floor coverings, seats, seat belts, switches, and fasteners and mounting locations, by reconstructing, replacing, fitting, and cleaning; using hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9024.04 Verify the repair or replacement of trim components and hardware, including exterior and interior trim, panels, handles, hinges, locks, latches, weather stripping, dashboard assemblies, headliners, all windows and glass, wheel covers and alloy wheels, bumper covers, windshield wiper assemblies, mirrors, sunroof, roof racks, convertible tops and related components, lighting and lighting trim assemblies, steps, handholds, floor coverings, seats, seat belts, switches, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; and using hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9024: REPAIR TRIM COMPONENTS AND HARDWARE		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9025.0 INSPECT, REMOVE, AND REPLACE SUPPLEMENTAL RESTRAINT SYSTEMS

GENERAL PERFORMANCE OBJECTIVE

Repair or replace supplemental restraint systems (SRS) and related defective or damaged components by visually inspecting, diagnosing, troubleshooting, removing, and replacing defective or damaged systems and components; and verifying the systems’ performance and function, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9025.01 Perform a visual inspection, identifying the types of supplemental restraint systems (SRS) and defective or damaged related components, including batteries, circuit-protection devices, switches, sensors, diagnostic control modules, wiring harnesses, backup power supply, code lights, dash and instrument panels, air bag modules, clock spring, knee bolster, seat belt webbing, seat belt retractors, explosive, mechanical and motorized seat belt tensioners, seat assemblies, windshields, trim panels, steering wheel and column assembly, and fasteners and mounting locations, by checking for corrosion, worn, loose, damaged, missing, deployed, and defective components, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9025.02 Diagnose supplemental restraint systems (SRS) and related damaged or defective components, including batteries, circuit-protection devices, switches, sensors, diagnostic control modules, wiring harnesses, backup power supply, code lights, dash and instrument panels, air bag modules, clock spring, knee bolster, seat belt webbing, seat belt retractors, explosive, mechanical, and motorized seat belt tensioners, seat assemblies, windshields, trim panels, steering wheel and column assembly, and fasteners and mounting location, by visually inspecting, testing, and analysing performance and function; checking for shorts, opens, and grounds, code lights, corrosion, and worn, loose, damaged, missing, deployed, and defective components; using scanners, code lights, flow charts, and hand, power, electronic service, and specialized tools and equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9025.03 Remove, install or replace supplemental restraint systems (SRS) and related damaged or defective components, including batteries, circuit-protection devices, switches, sensors, diagnostic control modules, wiring harnesses, backup power supply, code lights, dash and instrument panels, air bag modules, clock spring, knee bolster, seat belt webbing, seat belt retractors, explosive, mechanical, and motorized seat belt tensioners, seat assemblies, windshields, trim panels, steering wheel and column assembly, and fasteners and mounting locations, by repairing, replacing, and refitting supplemental restraints and related components; and using hand, power, electronic service, and specialized tools and equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9025.04 Verify the installation, performance, and function of supplemental restraint systems (SRS) and damaged or replaced related components, including batteries, circuit-protection devices, switches, sensors, diagnostic control modules, wiring harnesses, backup power supply, code lights, dash and instrument panels, air bag modules, clock spring, knee bolster, seat belt webbing, seat belt retractors, explosive, mechanical, and motorized seat belt tensioners, seat assemblies, windshields, trim panels, steering wheel and column assembly, and fasteners and mounting location, by visually inspecting testing and analysing performance and function; and using code lights, flow charts, and electronic service and specialized tools, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9025: INSPECT, REMOVE, AND REPLACE SUPPLEMENTAL RESTRAINT SYSTEMS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9026.0 WELD, HEAT, AND CUT USING METAL INERT GAS WELDER (MIG)

GENERAL PERFORMANCE OBJECTIVE

Set up and safely operate and maintain metal inert gas welder (MIG) to join and produce welds on vehicle parts and components by visually inspecting, diagnosing, and troubleshooting equipment performance; preparing repair area; joining and welding vehicle parts and components; and verifying the strength of joins and welds to maintain the structural integrity of the vehicle, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9026.01 Perform a visual inspection of Metal Inert Gas welder (MIG) equipment, including power source, tanks, fittings, regulators, electrical connectors, cables, ground clamps, tips and nozzles, drive assemblies and cooling fans, guns, flow meters, and shielded gas hoses, by checking for pressure, cracks, leaks, corrosion, foreign matter, wear, proper settings, connections, obstructions, fan operation, and loose and missing parts, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9026.02 Diagnose damaged vehicle parts and components, including unibody structures, full and space frame structures, sheet metal parts, substrate types, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for cracks, tears, seams, broken spot welds, corrosion, and missing and loose components; and using vehicle specifications, hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers' recommendations, specifications, and safety requirements.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9026.03 Select Metal Inert Gas welder (MIG) equipment, including power source, tanks, fittings, regulators, electrical connectors, cables, ground clamps, tips and nozzles, drive assemblies and cooling fans, guns, liners, flow meters, and shielded gas hoses, by covering or removing exposed parts to prevent injuries and vehicle damage, preparing repair area, attaching ground clamp, installing consumables, selecting tip, turning on power or fuel, checking regulator for specified pressure, adjusting wire speed, selecting required amperage, fine-tuning the welder, adjusting the welder and weld timer, turning on power switch, adjusting amperage, and opening gas valve, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9026.04 Set up Metal Inert Gas welder (MIG) equipment, including power source, tanks, fittings, regulators, electrical connectors, cables, ground clamps, tips and nozzles, drive assemblies and cooling fans, guns, liners, flow meters, and shielded gas hoses, by covering or removing exposed parts to prevent injuries and vehicle damage, preparing repair area, attaching ground clamp, installing consumables, selecting tip, turning on power or fuel, checking regulator for specified pressure, adjusting wire speed, selecting required amperage, fine-tuning the welder, adjusting the welder and weld timer, turning on power switch, adjusting amperage, and opening gas valve, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9026.05 Repair damaged vehicle parts and components, including satin-coated, galvanized, and conventional metals; and high-strength steel, aluminium, and heavy-gauge steel frames and frame assemblies, by spot, stitch, and seam welding; silicon bronze welding for cosmetic repairs only; all-position welding; and cleaning and grinding all welds, using MIG equipment, consumable materials, wire brushes, descalers, abrasives, personal protective equipment, fire-retardant shielding, hand, power, specialized and precision tools, lifting devices, and safety stands, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9026.06 Verify the integrity of the repaired joints and welds on all vehicle parts and components, including satin-coated, galvanized, and conventional metals; and high-strength steel, aluminum, and heavy-gauge steel frames and frame assemblies, by visually inspecting, testing, and analysing performance and function; checking for correct penetration, visible cracks, undercuts, melt-through, porosity, craters, excessive spatter, edge defects, pinholes, plug welds, and damage to surrounding area, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9026: WELD, HEAT, AND CUT USING METAL INERT GAS WELDER (MIG)		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9027.0 WELD, HEAT, AND CUT USING SQUEEZE-TYPE RESISTANCE SPOT WELDER (STRSW)

GENERAL PERFORMANCE OBJECTIVE

Set up and safely operate and maintain squeeze-type resistance spot welder (STRSW) to join and produce welds on vehicle parts and components by visually inspecting, diagnosing, and troubleshooting equipment performance; preparing repair area; joining and welding vehicle parts and components; and verifying the strength of joints and welds to maintain the structural integrity of the vehicle, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

SKILLS

U9027.01 Perform a visual inspection of STRSW equipment, including power source, fittings, electrical connectors, cables, tips, and cooling fans, by checking for pressure, foreign matter, wear, proper settings, connections, fan operation, loose and missing parts, and misalignment, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9027.02 Diagnose damaged vehicle parts and components, including unibody structures, space frame structures, sheet metal parts, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for seams, broken spot welds, and damaged pinch welds; and using vehicle specifications, hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9027.03 Set up STRSW equipment, including power source, fittings, electrical connectors, cables, tips, and cooling fans, by checking for dressed and aligned electrodes and condition of power cables, covering or removing exposed parts to prevent injuries and vehicle damage, preparing repair area, installing consumables, selecting tip, turning on power or fuel, selecting required amperage, fine-tuning the welder, selecting required arm length and pressure, adjusting current and weld time, aligning electrodes, turning on power switch, and adjusting amperage, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9027.04 Repair damaged vehicle parts and components, including satin-coated, galvanized, and conventional metals, high-strength steel, and aluminium, by spot welding, all-position welding, and cleaning and grinding all welds; and using STRSW equipment, consumable materials, wire brushes, descalers, abrasives, personal protective equipment and fire-retardant shielding, hand, power, specialized, and precision tools, lifting devices, and safety stands, according to manufacturers’ recommendations and industry-approved repair procedures and safety requirements.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9027.05 Verify the integrity of the repaired joints and welds on all vehicle parts and components, including satin-coated, galvanized, and conventional metals, high- strength steel, and aluminium, by visually inspecting, testing, and analysing performance and function; and checking for correct penetration, visible cracks, undercuts, melt-through, craters, excessive spatter, spot weld size, denting, pinholes, and damage to surrounding area, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9027: WELD, HEAT, AND CUT USING SQUEEZE-TYPE RESISTANCE SPOT WELDER (STRSW)		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9028.0 WELD, HEAT, AND CUT USING SHIELDED METAL ARC WELDER (SMAW)

GENERAL PERFORMANCE OBJECTIVE

Set up and safely operate and maintain shielded metal arc welder to join and produce welds on vehicle parts and components by visually inspecting, diagnosing, and troubleshooting equipment performance; preparing the repair area; joining and welding vehicle parts and components; and verifying the strength of joins and welds to maintain the structural integrity of the vehicle, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

SKILLS

U9028.01 Perform a visual inspection of SMAW equipment, including power source, regulators, electrical connectors, cables, ground clamps, cooling fans, electrode holders, and electrodes, by checking for wear, proper settings connections, fan operation, and loose and missing parts, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9028.02 Diagnose the damaged vehicle parts and components, including heavy-gauge equipment frames, by visually inspecting, testing, and analysing performance and function; checking for cracks, tears, seams, and missing and loose components, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9028.03 Set up SMAW equipment, including power source, regulators, electrical connectors, cables, ground clamps, cooling fans, electrode holders and electrodes, by covering or removing exposed parts to prevent injuries and vehicle damage, preparing repair area, attaching ground clamp, installing consumables, turning on power or fuel, selecting required amperage, fine-tuning the welder, turning on power switch, selecting specified electrodes, and adjusting amperage, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9028.04 Repair damaged vehicle parts and components, including satin-coated, galvanized, and conventional metals, and heavy-gauge steel and frames, by stitch and seam welding, silicon bronze welding for cosmetic purposes only, all-position welding, and cleaning and grinding all welds; using SMAW equipment, consumable materials, wire brushes, descalers, abrasives, personal protective equipment, fire-retardant shielding, hand, power, specialized, and precision tools, lifting devices, and safety stands, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9028.05 Verify the integrity of the repaired joints and welds on all vehicle parts and components, including heavy-gauge equipment frames, by checking for correct penetration, visible cracks, undercuts, melt-through, porosity, craters, excessive spatter, slag, edge defects, pinholes, plug weld, and damage to surrounding area, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9028: WELD, HEAT, AND CUT USING SHIELDED METAL ARC WELDER (SMAW)

Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9029.0 WELD, HEAT, AND CUT USING OXYFUEL EQUIPMENT

GENERAL PERFORMANCE OBJECTIVE

Set up and safely operate and maintain oxyfuel heating and cutting equipment to heat and cut vehicle parts and components by visually inspecting, diagnosing, and troubleshooting equipment performance; preparing repair area; and heating and cutting vehicle parts and components, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

SKILLS

U9029.01 Perform a visual inspection of oxyfuel heating and cutting equipment, including tanks, fittings, regulators, tips, gauges, spark arrestors, and oxyacetylene valves, by checking for pressure, cracks, leaks, foreign matter, wear, proper settings, connections obstructions, burns, and loose and missing parts, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9029.02 Diagnose damaged vehicle parts and components, including unibody structures, full and space frame structures, sheet metal parts and substrates, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for distortion, bends, misalignment, dents, and seized parts; and using specifications, hand, power, specialized, and precision tools, lifting devices, and safety stands, according to manufacturers' recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9029.03 Set up oxyfuel heating and cutting equipment, including tanks, fittings, regulators, tips, gauges, and oxyacetylene valves, by covering or removing exposed parts to prevent injuries and vehicle damage, preparing repair area, installing consumables, turning on power or fuel, checking regulator for specified pressure, fine-tuning the heater/cutter, opening the gas valve, setting regulators for cutting or heating, selecting tip, setting mixture, igniting gas, and fine-tuning and adjusting flame, according to manufacturers' recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9029.04 Repair damaged vehicle parts and components, including satin-coated, galvanized, and conventional metals; and high-strength steel, aluminium, and heavy-gauge steel frames and frame assemblies, by heating or cutting seized nuts and bolts; heating frame assemblies as specified by manufacturers' repair procedures; and using oxyfuel heater/cutter, consumable materials, wire brushes, descalers, abrasives, personal protective equipment, fire-retardant shielding, hand, power, specialized, and precision service tools, lifting devices, and safety stands, according to manufacturers' recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9029.05 Verify the condition of heating and cutting repair area by visually inspecting all vehicle parts and components, checking for distortion and damage to the surrounding area, according to manufacturers’ recommendations, industry- approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9029: WELD, HEAT, AND CUT USING OXYFUEL EQUIPMENT		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9030.0 WELD, HEAT, AND CUT USING PLASMA ARC CUTTER

GENERAL PERFORMANCE OBJECTIVE

Set up and safely operate and maintain plasma arc cutter to cut vehicle parts and components by visually inspecting, diagnosing, and troubleshooting equipment performance; preparing repair area; and inspecting the cut to verify a clean and undistorted cut to maintain the structural integrity of the vehicle or components, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

SKILLS

U9030.01 Perform a visual inspection of plasma arc cutting equipment, including power source, tanks, air supply and pressure, fittings, regulators, electrical connectors, cables, ground clamps, tips and nozzles, drive assemblies, cooling fans, electrodes, guns, and gauges, by checking for pressure, cracks, leaks, foreign matter, wear, proper settings, connections, fan operation, and loose and missing parts, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9030.02 Diagnose damaged vehicle parts and components, including unibody structures, full and space frame structures, sheet metal parts, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for kinks, seams, broken spot welds, and corrosion; using specifications, hand, power, specialized, and precision tools, lifting devices, and safety stands, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9030.03 Set up plasma arc heating and cutting equipment, including power source, tanks, air supply and pressure, fittings, regulators, tips, gauges, and oxyacetylene valves, by covering or removing exposed parts to prevent injuries and vehicle damage, preparing repair area, installing consumables, turning on power or fuel, checking regulator for specified pressure, selecting required amperage, fine-tuning the heater/cutter, turning on power switch, adjusting amperage, opening compressed air valve, setting regulators for cutting or heating, selecting tip, and connecting compressed air supply, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9030.04 Repair damaged vehicle parts and components, including satin-coated, galvanized, and conventional metals; and high-strength steel and aluminium frame assemblies, where limited heat and distortion is required, by performing precision cutting, heating, and/or cutting of nuts and bolts; cleaning and grinding all cuts; and using plasma arc cutting equipment, consumable materials, wire brushes, abrasives, personal protective equipment, fire-retardant shielding, hand, power, specialized, and precision tools, lifting devices, and safety stands, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9030.05 Verify the condition of heating and cutting repair area by visually inspecting all vehicle parts and components, and checking for damage to surrounding area, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9030: WELD, HEAT, AND CUT PLASMA ARC CUTTER		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9031.0 REPAIR VEHICLE BODIES AND COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Repair vehicle bodies and components by visually inspecting, diagnosing, repairing, and verifying performance and function to restore the structural integrity of the vehicle, according to manufacturers’ recommendations, industry-approved repair procedures, specifications, and safety requirements, and government regulations.

SKILLS

U9031.01 Perform a visual inspection of vehicle body and components, identifying the types of body parts, including metal, aluminium, plastic, and fibreglass panels; glass components; unibody structures; full and space frame structures; and fasteners and mounting locations, by checking for damage, poor fit, distortion, fractures, metal and paint damage, and worn, loose, or missing components, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9031.02 Diagnose the condition of vehicle body and components, including metal, aluminium, plastic, and fibreglass panels; glass components; unibody structures; full and space frames structures; and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for damage to paint, alignment, distortion, fractures, burns, noise, leaks, vibration, wear, and corrosion; and using hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9031.03 Repair vehicle body and components, including metal, aluminium, plastic, and fibreglass panels; glass components; unibody structures; full and space frames structures; and fasteners and mounting locations, by reshaping, replacing, fitting, and aligning to restore the structural integrity of vehicle; and using specified repair materials, hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9031.04 Verify the repair of vehicle body and components, including metal, aluminium, plastic, and fibreglass panels; glass components; unibody; full frames and space frames structures; and fasteners and mounting locations, by visually inspecting; road testing to analyse performance and function; and using hand, power, specialized, precision, and electronic service tools, lifting devices, and safety stands to restore the structural integrity of the vehicle, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9031: REPAIR VEHICLE BODIES AND COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9032.0 PERFORM PAINTLESS DENT REPAIR (PDR)

GENERAL PERFORMANCE OBJECTIVE

Perform Paintless Dent Repair (PDR) by performing a visual inspection of exterior vehicle body panels; diagnosing and troubleshooting exterior vehicle body panels; repairing dents; and verifying the repair of dents on exterior vehicle body panels, according to safety requirements and manufacturer`s recommendations.

SKILLS

U9032.01 Perform a visual inspection of exterior vehicle body panels including doors, hoods, roofs, fenders, trunk lids, trim, bumpers and quarter panels, by washing vehicle; identifying substrate types, using lighting including LED, reflective and fluorescent at multiple angles; according to safety requirements and manufacturer`s recommendations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9032.02 Diagnose and troubleshoot exterior vehicle body panels including doors, hoods, roofs, fenders, trunk lids, trim, bumpers and quarter panels, by locating points of access, including disabling electronic components and removal of components obstructing access; selecting repair methods and tools including pry bars and glue pulling systems; according to safety requirements and manufacturers` recommendations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9032.03 Repair dents on exterior vehicle body panels including doors, hoods, roofs, fenders, trunk lids, quarter panels, trim and bumpers, using lighting and heating equipment; removing parts and components, securing removed parts on PDR stands and racks; using PDR hooks and rings, hand tools including pry bars and glue pulling systems, and specialized hammer and nylon accessories to repair dents; applying anti-corrosion compounds; according to safety requirements and manufacturers' recommendations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9032.04 Verify the repair of dents on exterior vehicle body panels including doors, hoods, roofs, fenders, trunk lids, quarter panels, trim and bumpers; by checking paint finish and substrate distortions; using lighting and magnifying equipment; checking the application of anti-corrosion compounds, according to safety requirements and manufacturers' recommendations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9032: PERFORM PAINTLESS DENT REPAIR (PDR)		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9033.0 REPAIR PLASTICS AND FIBREGLASS

GENERAL PERFORMANCE OBJECTIVE

Repair or replace plastic and fibreglass body parts by visually inspecting, diagnosing, repairing, and verifying performance and function, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9033.01 Perform a visual inspection of plastic and fibreglass body parts, identifying the substrate types including bumpers, hoods, fenders, doors, roofs, quarter panels, tailgates, trunk lids, metal space frames, and fasteners and mounting locations, checking for damage, misalignment, distortion, fractures, finish damage, and loose or missing components, by identifying the substrate types, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9033.02 Diagnose the condition of plastic and fibreglass body parts, including specific types of plastics and fibreglass, by visually inspecting, testing, and analysing performance and function; checking for finish damage, fractured, and loose and missing parts, misalignment, and distortion; and using lifting devices and safety stands, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9033.03 Prepare repair area to set up and perform structural bonding and finishing, including cleaning the work area; preparing the damaged area and panels to be replaced; identifying specific repair adhesives; and using hand, power, and specialized tools, specialized fasteners and clamps, lifting devices, and safety stands, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9033.04 Verify the repair of plastic and fibreglass body parts, including bumpers, hoods, fenders, doors, roofs, quarter panels, tailgates, trunk lids, metal space frames, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; and using lifting devices and safety stands, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyman Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9033: REPAIR PLASTICS AND FIBREGLASS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9034.0 REPAIR ELECTRICAL AND ELECTRONIC SYSTEMS AND COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Repair electrical and electronic systems and components by visually inspecting, diagnosing, troubleshooting, repairing, and verifying the performance and function, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9034.01 Perform a visual inspection of electrical and electronic systems and components, identifying system types and applications, including hybrid and electric systems, batteries, fuses, connectors, cables, circuit breakers, fusible links, lighting/illumination, alternators, motors, switches, actuators, relays, sensors and sensor systems, dash warning lamps, modules, wiring harnesses, and fasteners and mounting locations, by checking for worn, loose, damaged, missing, corroded, misaligned, distorted, or defective components, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9034.02 Diagnose and troubleshoot electrical and electronic systems and components, including hybrid and electric systems, batteries, fuses, connectors, cables, circuit breakers, fusible links, lighting/illumination, alternators, motors, switches, actuators, relays, sensors and sensor systems, dash warning lamps, modules, wiring harnesses, and fasteners and mounting locations, by visually inspecting, testing, reprogramming, and analysing performance and function; checking for open shorts and grounds, odour, discoloration, corrosion, vibrations, noise, and parasitic draws; and using hand, power, specialized, and electrical service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9034.03 Repair electrical and electronic systems and components, including hybrid and electric systems, batteries, fuses, connectors, cables, circuit breakers, fusible links, lighting/illumination, alternators, motors, switches, actuators, relays, sensors and systems, dash warning lamps, modules, wiring harnesses, and fasteners and mounting locations, by replacing, fitting, cleaning, splicing, connecting, soldering, insulating, and isolating; and using hand, power, specialized, and electrical service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9034.04 Verify the repair of electrical and electronic systems and components, including hybrid and electric systems, batteries, fuses, connectors, cables, circuit breakers, fusible links, lighting/illumination, alternators, motors, switches, actuators, relays, sensors and sensor systems, dash warning lamps, modules, wiring harnesses, and fasteners and mounting locations, by visually inspecting, testing, reprogramming, and analysing performance and function; and using hand, power, specialized, and electrical service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9034: REPAIR ELECTRICAL AND ELECTRONIC SYSTEMS AND COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9035.0 REPAIR ADVANCED ELECTRONIC SAFETY AND CONVENIENCE SYSTEMS AND COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Repair advanced electronic safety and convenience systems and components by performing a visual inspection; diagnosing, troubleshooting and repairing advanced electronic safety and convenience systems and components; and by verifying the repairs, according to manufacturers' recommendations, specifications and safety requirements and government regulations

SKILLS

U9035.01 Perform a visual inspection of advanced electronic safety and convenience systems and components, including Electronic Stability Control (ESC), Rollover Protection, Trailer Sway Control, Trailer Brake Control, Hill Start Assist, Hill Descent Control, Blind Spot Detection, Cross Traffic Alert, Parking Assist, Lane Departure Warning, Attention Assist, Adaptive Cruise Control, Pre-Collision systems, Adaptive Front Lighting, High Beam Assist, Night View Assist, Active Head Restraints, Knee Airbags, Keyless Entry, Theft Deterrence, Raining Sensing Wipers and Climate-Controlled Seats, by identifying sensor location within collision damage area; dash warning lamps and messages, malfunction codes, modules, wiring harnesses, fasteners and mounting locations, by checking for worn, loose, damaged, missing, corroded, misaligned, distorted or defective components, according to manufacturers' recommendations, specifications and safety requirements and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9035.02 Diagnose and troubleshoot advanced electronic safety and convenience systems and components, including Electronic Stability Control (ESC), Rollover Protection, Trailer Sway Control, Trailer Brake Control, Hill Start Assist, Hill Descent Control, Blind Spot Detection, Cross Traffic Alert, Parking Assist, Lane Departure Warning, Attention Assist, Adaptive Cruise Control, Pre-Collision systems, Adaptive Front Lighting, High Beam Assist, Night View Assist, Active Head Restraints, Knee Airbags, Keyless Entry, Theft Deterrence, Raining Sensing Wipers and Climate-Controlled Seats, by using a scan tool to check for system operation, according to manufacturers' recommendations, specifications and safety requirements and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9035.03 Repair advanced electronic safety and convenience systems and components, including Electronic Stability Control (ESC), Rollover Protection, Trailer Sway Control, Trailer Brake Control, Hill Start Assist, Hill Descent Control, Blind Spot Detection, Cross Traffic Alert, Parking Assist, Lane Departure Warning, Attention Assist, Adaptive Cruise Control, Pre-Collision systems, Adaptive Front Lighting, High Beam Assist, Night View Assist, Active Head Restraints, Knee Airbags, Keyless Entry, Theft Deterrence, Raining Sensing Wipers and Climate-Controlled Seats, by replacing switches, actuators, relays, sensors, modules, wiring harnesses, fasteners and repairing mounting locations, according to manufacturers’ recommendations, specifications and safety requirements and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9035.04 Verify the repair of advanced electronic safety and convenience systems and components, including Electronic Stability Control (ESC), Rollover Protection, Trailer Sway Control, Trailer Brake Control, Hill Start Assist, Hill Descent Control, Blind Spot Detection, Cross Traffic Alert, Parking Assist, Lane Departure Warning, Attention Assist, Adaptive Cruise Control, Pre-Collision systems, Adaptive Front Lighting, High Beam Assist, Night View Assist, Active Head Restraints, Knee Airbags, Keyless Entry, Theft Deterrence, Raining Sensing Wipers and Climate-Controlled Seats, by visually inspecting, testing, and analysing performance and function, using a scan tool; checking for system operation and test-driving vehicle for system operation; according to manufacturers’ recommendations, specifications and safety requirements and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9035: REPAIR ADVANCED ELECTRONIC SAFETY AND CONVENIENCE SYSTEMS AND COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9036.0 REPAIR COOLING, HEATING, AND AIR CONDITIONING SYSTEMS AND COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Repair cooling, heating, and air conditioning systems and components by visually inspecting, diagnosing, troubleshooting, repairing, and verifying performance and function, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9036.01 Perform a visual inspection of cooling, heating, and air conditioning systems and components, identifying system types, including condensers, radiators, pressure caps, coolant, refrigerant, lines, hoses, fittings, seals, compressors, water pumps, belts and pulleys, air conditioning evaporator cores, heater cores, thermostats, valves, accumulators, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit-protection devices, ducting, and fasteners and mounting locations, by checking for damaged, leaking, loose, missing components, types and levels of fluids, and types of refrigerants, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9036.02 Diagnose and troubleshoot cooling and heating systems and components, including radiators, pressure caps, coolant, lines, hoses fittings, seals, water pumps, belts and pulleys, heater cores, thermostats, valves, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit-protection devices, ducting, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for leaks, pressure, flow, temperature, corrosion, vibration, noise, wear, misalignment, fractures, odour, colour, and type of coolant; and using hand, power, specialized, and electronic service tools, pressure gauge, and leak-detection devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9036.03 Repair cooling and heating systems and components, including radiators, pressure caps, coolant, lines, hoses, fittings, seals, water pumps, belts and pulleys, heater cores, thermostats, valves, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit-protection devices, ducting, and fasteners and mounting locations, by replacing, refitting, reconditioning, or servicing; and using hand, power, specialized, and electronic service tools, pressure gauge, and leak-detection devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9036.04 Verify the repair of cooling and heating systems and components, including radiators, pressure caps, coolant, lines, hoses, fittings, seals, water pumps, belts and pulleys, heater cores, thermostats, valves, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit-protection devices, ducting, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; and using hand, power, specialized, electronic, and service tools, pressure gauge, and leak-detection devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9036.05 Diagnose and troubleshoot air conditioning systems and components, including condensers, compressors, refrigerants, lubricants, air conditioning evaporator cores, accumulators, lines, hoses, fittings, seals, o-rings, belts and pulleys, valves, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit- protection devices, ducting, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for leaks, pressure, temperature, corrosion, vibration, noise, wear, misalignment, fractures, refrigerant type, and charge; and using hand, power, specialized, and electronic service tools, pressure gauge, recover, recycle, vacuum and recharge equipment, and leak-detection devices and materials, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9036.06 Repair air conditioning systems and components, including condensers, compressors, refrigerants and lubricants, air conditioning evaporators cores, accumulators, lines, hoses, fittings, seals, o-rings, belts and pulleys, valves, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit-protection devices, ducting, and fasteners and mounting locations, by replacing, refitting, reconditioning, or servicing; and using hand, power, specialized, and electronic service tools, pressure gauge, recover, recycle, vacuum and recharge equipment, and leak-detection devices and materials, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9036.07 Verify the repair of air conditioning systems and components, including condensers, compressors, refrigerants, lubricants, air conditioning evaporator cores, accumulators, lines, hoses, fittings, seals, o-rings, belts and pulleys, valves, housings, heater blower assemblies, cooling fans, motors and shrouds, switches, relays, actuators, sensors, modules, wiring harnesses, vacuum lines, cables, circuit-protection devices, ducting, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; and using hand, power, specialized, and electronic service tools, recover, recycle, vacuum and recharge equipment, and leak-detection devices and materials, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson (Print Name)	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice (Print Name)	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9036: REPAIR COOLING, HEATING, AND AIR CONDITIONING SYSTEMS AND COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9037.0 REPAIR FRAMES AND UNIBODY ASSEMBLIES

GENERAL PERFORMANCE OBJECTIVE

Repair frames and unibody systems and components by visually inspecting, diagnosing, troubleshooting, repairing, and verifying the performance and function to ensure structural integrity of the vehicle, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9037.01 Perform a visual inspection of frames and unibody systems and components, identifying system types and applications, including full frames, space frame, sub- frame, unibody, body mounts, corrosion-protection coatings, and fasteners and mounting locations, by checking the type of damage, and checking for bends, kinks, distortion, tears, cracks, misalignment of exterior body panels and suspension, damaged corrosion protection, coatings and sealers, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	_____	_____
	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	_____	_____
	Apprentice Signature	College of Trades Member I.D.#

U9037.02 Diagnose and troubleshoot frames and unibody systems and components, including full frames, space frame, sub-frame, unibody, body mounts, corrosion protection coatings, and fasteners and mounting locations, by visually inspecting, measuring, and analysing performance and function; checking for the extent of damage, and bends, kinks, distortion, tears, cracks, misalignment of exterior body panels and suspension, damaged corrosion protection, coatings and sealers; and using hand, power, specialized, and electronic service tools, lifting, rigging, blocking, and anchoring devices, dimensional specifications chart, and pulling and three-dimensional measuring equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	_____	_____
	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	_____	_____
	Apprentice Signature	College of Trades Member I.D.#

U9037.03 Repair frames and unibody systems and components, including full-frames, space-frame, unibody, body mounts, sub-frame, corrosion protection coatings, sealers, fasteners and mounting locations, by replacing, heating, pulling, fitting, aligning, cutting, welding, bolting, riveting, and restoring corrosion protection; and using hand, power, and specialized tools, lifting, rigging, blocking, and anchoring and/or clamping devices, dimensional specifications chart, pulling and three-dimensional measuring equipment, and heating, cutting, and welding equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9037.04 Verify the repair of frames and unibody systems and components, including full frame, space frame, unibody, body mounts, sub-frame, corrosion-protection coatings, sealers, fasteners and mounting locations, by visually inspecting, measuring points, and analysing performance, function, and fit; and using hand, power, and specialized tools, lifting, rigging, blocking, and anchoring and/or clamping devices, dimensional specifications chart, and three-dimensional measuring equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9037: REPAIR FRAMES AND UNIBODY ASSEMBLIES		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9038.0 REPAIR STEERING AND SUSPENSION SYSTEMS

GENERAL PERFORMANCE OBJECTIVE

Repair steering and suspension components by visually inspecting, diagnosing, troubleshooting, repairing, and verifying performance and function, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9038.01 Perform a visual inspection of steering and suspension components, identifying type and application, including steering systems, seals, boots and bearings, power steering fluids, pump, hoses, lines and fittings, belts and pulleys, tie rod ends, column assemblies, steering knuckles and spindles, pitman and idler arms, centre link, and electronic steering assemblies, control arms, bushings, ball joints, spindles, brake assemblies, lines, hoses, and fittings, fluids, struts, springs, shackles, shocks, radius, track and traction bars, trailing axle, drive axle assemblies, rear differential, stabilizer, sway and torsion bars, sway bar links, kingpins, I-beams, wheel and tire assemblies, wheel nuts, electronic levelling controls, switches, relays, actuators, sensors, modules, wiring harnesses, air levelling pump, anti-lock assemblies, and fasteners and mounting locations, by checking for misalignment, fluid levels, leaks, and damaged, cracked, cut, worn, loose, and missing parts, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9038.02 Diagnose and troubleshoot steering systems and components, including steering systems, seals, boots and bearings, power-steering fluids, pump, hoses, lines and fittings, belts and pulleys, tie rod ends, column assemblies, control arms, stabilizer/sway bar links, bushings, ball joints, spindles, brake assemblies, wheel and tire assemblies, wheel nuts, struts, springs, shackles, shocks, radius, steering knuckles and spindles, pitman and idler arms, centre link, electronic steering assemblies, and fasteners and mounting locations, by visually inspecting, measuring, and analysing for performance and function; checking for the extent of damage, bends, distortion, wobble, tears, cracks, leaks, diagnostic codes, noise, vibration, misalignment of suspension, and damaged protective coatings; and using hand, power, specialized, and electronic service tools, alignment equipment, and lifting, rigging, and blocking devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9038.03 Repair steering systems and components, including steering systems, seals, boots and bearings, power-steering fluids, pump, hoses, lines and fittings, belts and pulleys, tie rod ends, column assemblies, control arms, stabilizer/sway bar links, bushings, ball joints, brake assemblies, wheel and tire assemblies, wheel nuts, struts, springs, shackles, shocks, radius, steering knuckles and spindles, pitman and idler arms, centre link, electronic steering assemblies, fasteners and mounting locations, by replacing, fitting, aligning, bolting, refilling fluids, and restoring damaged protective coatings; and using hand, power, specialized, and electronic service tools, alignment equipment, and lifting, rigging, and blocking devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9038.04 Verify the repair of steering systems and components, including steering systems, seals, boots and bearings, power-steering fluids, pump, hoses, lines and fittings, belts and pulleys, tie rod ends, column assemblies, control arms, stabilizer/sway bar links, bushings, ball joints, brake assemblies, wheel and tire assemblies, wheel nuts, struts, springs, shackles, shocks, radius, steering knuckles and spindles, pitman and idler arms, centre link, electronic steering assemblies, fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; and using hand, power, specialized, and electronic service tools, alignment equipment, and lifting, rigging, and blocking devices, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9038.05 Diagnose and troubleshoot suspension systems and components, including control arms, bushings, ball joints, spindles, brake assemblies, lines, hoses, fittings, fluids, struts, springs, shackles, shocks, radius, track and traction bars, trailing axle, drive axle assemblies, rear differential, sway and torsion bars, stabilizer/sway bar links, kingpins, I-beams, wheel and tire assemblies, wheel nuts, electronic levelling controls, switches, relays, actuators, sensors, modules, wiring harnesses, air levelling pump, anti-lock assemblies, and fasteners and mounting locations, by visually inspecting, measuring, and analysing performance and function; and using hand, power, specialized, and electronic service tools, tape measure, tram gauge, alignment equipment, and lifting, rigging, and blocking devices, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9038.06 Repair suspension systems and components, including control arms, bushings, ball joints, spindles, brake assemblies, lines, hoses, fittings, fluids, struts, springs, shackles, shocks, radius, track and traction bars, trailing axle, drive axle assemblies, rear differential, sway and torsion bars, stabilizer/sway bar links, kingpins, I-beams, wheel and tire assemblies, wheel nuts, electronic levelling controls, switches, relays, actuators, sensors, modules, wiring harnesses, air levelling pump, anti-lock assemblies, and fasteners and mounting locations, by replacing, bleeding, refilling, heating, pulling, fitting, aligning, cutting, bolting, riveting, and restoring corrosion protection; and using hand, power, specialized, and electronic service tools, and heating and cutting equipment, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9038.07 Verify the repair of suspension systems and components, including control arms, bushings, ball joints, spindles, brake assemblies, lines, hoses and fittings, fluids, struts, springs, shackles, shocks, radius, track and traction bars, trailing axle, rear differential, sway and torsion bars, stabilizer/sway bar links, kingpins, I-beams, wheel and tire assemblies, wheel nuts, electronic levelling controls, switches, relays, actuators, sensors, modules, wiring harnesses, air levelling pump, anti-lock assemblies, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; and using hand, power, specialized, and electronic service tools, according to manufacturers' recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9038: REPAIR STEERING AND SUSPENSION SYSTEMS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9039.0 REPAIR GLASS AND RELATED COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Remove and install vehicle glass and related components by visually inspecting, diagnosing, troubleshooting, replacing, and verifying the performance and function to ensure the structural integrity of vehicle, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9039.01 Perform a visual inspection of glass and related components, identifying the types and applications, including windshields, rear glass, side glass, glass tints, shade and frits, heated windshields, laminated and tempered glass, encapsulated glass, sunroofs, wipers, sun visors, rear-view mirror, mounting pads, switches, circuit-protection devices, relays, sensors, modules, cameras, motors, wiring harnesses, third brake light, defogger grids, trims, primers, damming tapes, urethanes, mouldings, channels, guides, regulator assemblies, weather strips and seals, and fasteners and mounting locations, by checking for cracks, pitting, scratches, bull’s-eye, distortion, delamination, clams, burrs, chips, corrosion, cohesion, adhesion, leaks, and worn, loose, damaged, missing, and defective components, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9039.02 Diagnose and troubleshoot glass and related components, including windshields, rear glass, side glass, glass tints, shade and frits, heated windshields, laminated and tempered glass, encapsulated glass, sunroofs, wipers, sun visors, rear-view mirror, mounting pads, switches, circuit-protection devices, relays, sensors, modules, cameras, motors, wiring harnesses, third break light defogger grids, trims, primers, damming tapes, urethanes, mouldings, channels, guides, regulator assemblies, weather strips and seals, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function; checking for cracks, pitting, scratches, bull’s eyes, distortion, delamination, clams, burrs, chips, corrosion, cohesion, adhesion, leaks, noise, worn, loose, damaged, missing, and defective components, electrical operation, misalignment, fit, and finish; and using hand, power, specialized, and electronic service tools, and personal protective equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9039.03 Repair or replace glass and related components, including windshields, rear glass, side glass, glass tints, shade and frits, heated windshields, laminated and tempered glass, encapsulated glass, sunroofs, wipers, sun visors, rear-view mirror, mounting pads, switches, circuit- protection devices, relays, sensors, modules, cameras, motors, wiring harnesses, third brake light defogger grids, trims, primers, damming tapes, urethanes, mouldings, channels, guides, regulator assemblies, weather strips and seals, and fasteners and mounting locations, by removing, repairing, replacing, cleaning, fitting, aligning, applying specified primers and urethanes, protecting installation from contamination, and using hand, power, specialized, and electronic service tools and materials, vehicle protection covers, and specified controlled environment and personal protective equipment, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9039.04 Verify the repair of glass and related components, including windshields, rear glass, side glass, glass tints, shade and frits, heated windshields, laminated and tempered glass, encapsulated glass, sunroofs, wipers, sun visors, rear-view mirror, mounting pads, switches, circuit- protection devices, relays, sensors, modules, cameras, motors, wiring harnesses, third brake light defogger grids, trims, primers, damming tapes, urethanes, mouldings, channels, guides, regulator assemblies, weather strips and seals, and fasteners and mounting locations, by visually inspecting, testing, and analysing performance and function to ensure the structural integrity of vehicle; and using specified air pressure, lighting, soap, water, specified curing times, and specified controlled environment, according to original equipment manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9039: REPAIR GLASS AND RELATED COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9040.0 REFINISH VEHICLE BODIES, TRIM, AND COMPONENTS

GENERAL PERFORMANCE OBJECTIVE

Refinish prepared interior and exterior of vehicle body parts and components by visually inspecting, troubleshooting, and diagnosing the prepared interior and exterior body parts; identifying paint types and colour identification codes; performing refinishing procedures; and verifying the finish and colour match according to manufacturer’s recommendations, specifications, and safety requirements.

SKILLS

U9040.01 Perform a visual inspection of repaired interior and exterior body parts for refinishing, including dashes, trims, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels, by checking for scratches, checking, swelling, pinholes, runs, rough edges, masking, colour match, paint types, and colour identification codes, according to manufacturers’ recommendations, specifications, and safety requirements.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9040.02 Diagnose and prepare imperfections in the repaired interior and exterior body parts, including dashes, trims, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels, by checking for scratches, checking, swelling, pinholes, rough edges, masking, and colour match; and using hand and specialized tools, spray guns, degreasers, wipes, masking, sanding, primers, and ground coats, according to manufacturers’ recommendations, specifications, and safety requirements.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9040.03 Refinish prepared interior and exterior body parts, including dashes, trims, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels, by mixing paint colours and clear coats with reducers and/or hardeners; applying paint colours and clear coats to surfaces; checking and adjusting spray booth environment, atomization, and pattern and flow of spray equipment; and using spray booth, spray guns, air hoses, personal safety equipment, ventilated mixing area, gun-cleaning equipment, and solvent recyclers, according to environmental, manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9040.04 Verify the final finish and colour match of interior and exterior body parts, including dashes, trims, bumpers, hoods, fenders, doors, roofs, quarter panels, trunks, floors, and structural panels, by checking for colour match, runs, sags, dust, gloss, texture, coverage, uniformity, fisheyes, orange peel, overspray, and dry spots; removing masking materials; reinstalling or replacing trim, hardware, pinstriping, and decals; performing required detail cleaning; and using lighting, visual check, solvents and compounds, run shavers, sanding and cleaning materials, hand, power, and specialized tools, and fasteners and mounting locations, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9040: REFINISH VEHICLE BODIES, TRIM, AND COMPONENTS		
Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature

U9041.0 ESTIMATE DAMAGE REPAIR

GENERAL PERFORMANCE OBJECTIVE

Estimate the cost of repairs by visually inspecting, diagnosing, and troubleshooting damaged vehicle parts and components; calculating and documenting material and labour costs; and verifying the cost of repairs using prescribed specification charts and manuals, according to manufacturers’ recommendations, specifications, safety requirements, and government regulations.

SKILLS

U9041.01 Perform a visual inspection of damaged vehicle interior and exterior parts and components, identifying the types and applications, including trim, hardware, glass, supplemental restraint systems, electrical and electronic systems, cooling, heating, and air conditioning systems, frames and unibody assemblies, and steering and suspension components, by checking for types of damage, paint finish, misalignment of exterior body panels and suspension, damaged corrosion protection, and damaged, leaking, loose, and missing components; photographing vehicle; recording the direction of impact; and recording direct, indirect, hidden and prior unrelated damage, according to original equipment manufacturers’ (OEM) recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9041.02 Diagnose and troubleshoot damaged vehicle interior and exterior parts and components, including trim, hardware, glass, supplemental restraint systems, electrical and electronic systems, cooling, heating, and air conditioning systems, frames and unibody assemblies, steering and suspension components, by visually inspecting, testing, and analysing performance and function, paint finish; checking for collision energy management, direct, indirect, hidden and prior unrelated damage; and using hand, power, specialized, and electronic tools, and measuring, lifting, rigging, and blocking devices, according to original equipment manufacturers' (OEM) recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9041.03 Estimate repair costs of damaged vehicle parts and components, including labour, parts, paint and materials, sublets, alignments, towing, storing, freight, rentals, disposals, and taxes, by identifying customer needs, calculating repair costs for direct, indirect, hidden and prior unrelated damages to vehicle parts and components, recording customer, vehicle, and insurance data, date of estimate, and name of estimator; and using damage repair estimating software and manuals, and parts and materials price lists, according to original equipment manufacturers' (OEM) recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

U9041.04 Verify the accuracy of estimated repair costs of damaged vehicle parts and components, 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; and using damage repair estimating software and manuals, and parts and materials price lists, according to original equipment manufacturers' (OEM) recommendations, specifications, safety requirements, and government regulations.

(mm/dd/yy)	Journeyperson Signature	College of Trades Member I.D.#
(mm/dd/yy)	Apprentice Signature	College of Trades Member I.D.#

SPONSOR CONFIRMATION FOR U9041: ESTIMATE DAMAGE REPAIR

Date Completed (mm/dd/yy)	Sponsor Name (Print)	Sponsor Signature
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DEFINITIONS

Apprentices Class

Individuals in this class:

- Hold one or more valid Registered Training Agreements with the Ministry of Training, Colleges and Universities in either compulsory or voluntary trades;
- Hold a valid statement of membership with the Ontario College of Trades in the Apprenticeship class;
- Are subject to any ratios or wage rates that have been set out in regulation for their trade(s);
- Can remain in this class until they receive their Certificate of Apprenticeship;
- Can hold themselves out as Apprentices.

Certificate of Apprenticeship (C of A)

A certificate issued by the Minister of Training, Colleges and Universities to individuals who have demonstrated that they have completed an apprenticeship program in Ontario.

Certificate of Qualification (C of Q)

A certificate issued by the Registrar on behalf of the College of Trades to a Journeyman. A Certificate of Qualification will serve as proof of having met any testing/program requirements and membership in the College's Journeymen Class.

Competence

The ability of an individual to perform a skill repeatedly and without assistance in the workplace as set out in the Log Book.

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.

Competent Person

A competent person is defined by the *Occupational Health and Safety Act* as being a person who:

- Is qualified because of their knowledge, training and experience to organize the work and its performance;
- Is familiar with the Occupational Health and Safety Act and its regulations that apply to the work; and has knowledge of any potential or actual danger to health or safety in the workplace.

Competent Worker

A competent worker is defined by the *Occupational Health and Safety Act* as being a person who:

- Is qualified because of knowledge, training and experience to perform the work;
- Is familiar with the *Occupational Health and Safety Act* and with the provisions of the regulations that apply to the work; and
- Has knowledge of all potential or actual danger to health or safety in the work.

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 established by the College of Trades.

Sponsor of Record

Refers to the Sponsor documented as being signatory to the current training agreement or contract. In order for a Sponsor to be considered for the training of Apprentices, they must identify that the workplace has qualified Journeypersons 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.

Incompetence

According to the *Ontario College of Trades and Apprenticeship Act, 2009*, a member of the College of Trades may be found to be incompetent by the College Of Trades Discipline Committee if the Committee feels that the member has displayed a lack of knowledge, skill or disregard for another person's welfare while practising their trade. If this happens, the individual may be found unfit to practise their trade and their Statement of Membership/Certificate of Qualification may be revoked, suspended, or be subject to terms, conditions or limitations.

Journeyperson

Compulsory Trades Journeyperson:

- Someone who holds a valid Certificate of Qualification in the trade and who is a member in good standing of the College of Trades Journeypersons Class for the same trade; or
- Someone who holds a valid Provisional Certificate of Qualification in the trade and who is a member in good standing of the College of Trades Journeypersons Class for the same trade.

Voluntary Trades Journeyperson:

- Someone who holds a valid Certificate of Qualification in the trade and who is a member in good standing of the College of Trades Journeypersons Class for the same trade; or
- Someone who holds a Certificate of Qualification in the trade that was issued by the Ministry of Training, Colleges and Universities prior to April 8, 2013 (membership in the College of Trades is not required in this scenario).

Journeyperson Candidates Class

An individual who has completed an Ontario apprenticeship program (Certificate of Apprenticeship) in a voluntary or compulsory trade that has a Certificate of Qualification examination, but has not passed the Certificate of Qualification examination for their trade. There is a maximum time limit of one year to remain in the Journeyperson Candidates Class. Individuals in this class:

- are subject to any ratios and/or wage rates that have been set out for their trade(s), if they practise a compulsory trade.
- Can continue to work legally in their trade if they are in a compulsory trade, as they prepare to write their examination (individuals in voluntary trades do not have to be members of the College of Trades to work legally); and can hold themselves out as Journeyperson Candidates (they are neither Apprentices nor Journeypersons).
- Can remain in this class for a maximum of one year or until they pass the Certificate of Qualification exam and become members of the Journeypersons class. However, they can only remain in this class for a maximum of one year. After one year they can move into the Tradespersons Class if they are in a voluntary trade. If they are in a compulsory trade and have been in the Journeyperson Candidates Class for one year, they can no longer work legally in that trade until they pass the Certificate of Qualification examination.

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.

OCTAA

Ontario College of Trades and Apprenticeship Act, 2009

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.

Ratios

For up to date information regarding Journeyperson to Apprentice ratios, please visit:

collegeoftrades.ca

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 successfully completing 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 skill described in the Log Book (note: does not mean the larger skill groups referred to in the Log Book as Skill Sets, Training Units, or General Performance Objectives, but the individual skills that make up those groups).

Skill Sets

Group of individual skills found in the Log Book (may also be called Training Unit or General Performance Objective).

Skill Set Completion for Sponsors

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

Supervisor

An individual who oversees the performance of a task and oversees the actions or work of others.

Trade Board

Under the *Ontario College of Trades and Apprenticeship Act, 2009*, the [College of Trades Appointments Council](#) (COTAC) may appoint a Trade Board for each designated trade, composed of Employee and Employer representatives from the industry. Trade Boards are responsible for advising and making recommendations to the College of Trades Divisional Boards on issues relating to their trade. When there is no appointed trade board for a trade, the respective sector Divisional Board will act as the default Trade Board for the trade.

Tradespersons Class

A Class of Membership for individuals who practise in a voluntary trade which may or may not have a Certificate of Qualification examination.

Individuals in this class:

Have been members of the Journeyman Candidates Class or are not eligible for Journeyman Candidates Class and have been assessed to have experience and/or qualifications that are equivalent to a Certificate of Apprenticeship in that trade

- Are preparing to write/have no plans to write/have not passed the available Certificate of Qualification exam for their trade(s);
- Can remain in this class indefinitely or until they pass the available Certificate of Qualification exam for their trade(s); and
- Can hold themselves out as tradespersons (they are neither apprentices nor journeymen).

Note: Individuals in the Tradespersons Class are considered Journeymen for the purpose of determining ratios for that trade.

Trainer

A qualified Trainer in a compulsory trade is a Journeyman with a Certificate of Qualification. In a voluntary trade, a Trainer is an individual who is considered equivalent to a Journeyman with a Certificate of Qualification.

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 join the Journeypersons class of members at the Ontario College of Trades 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

You will write an Ontario-only examination when your trade is not designated as Red Seal trade in Ontario.

Ontario's Exam Preparation Guide

collegeoftrades.ca

Basic Examination Details for You to Know

You will have **up to four hours to write your examination**. If you need more time, you must ask for it when you schedule the examination, not on the day of your examination. You can leave the examination centre if you complete the examination in less than four hours.

You need a mark of 70% to pass.

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.

Scheduling Your Examination

The examination scheduling process is currently outlined in detail on the College of Trades website: collegeoftrades.ca

Remember these 3 basic steps:

1. Confirm your eligibility to write the examination with the College of Trades.
2. Contact Client Services at the College of Trades to pay your examination fee.
3. Contact the local Ministry apprenticeship office to schedule your examination in their examination centre: <http://services.findhelp.ca/eo/tcu/appoff>

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 Ministry of Training, Colleges and Universities Apprenticeship Office immediately to update your sponsor record.
3. Please make sure you do record all of 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	
Registered Training Agreement #	
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 (e.g. UXXXX)	

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, please photocopy as needed or visit collegeoftrades.ca and search Sponsor Record Form.***

CHANGE OF SPONSOR RECORD #2

SPONSOR INFORMATION	
Apprentice Name	
Registered Training Agreement #	
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 (e.g. UXXXX)	

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, please photocopy as needed or visit collegeoftrades.ca and search Sponsor Record Form.***

CHANGE OF SPONSOR RECORD #3

SPONSOR INFORMATION	
Apprentice Name	
Registered Training Agreement #	
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 (e.g. UXXXX)	

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, please photocopy as needed or visit collegeoftrades.ca and search Sponsor Record Form.***

CHANGE OF SPONSOR RECORD #4

SPONSOR INFORMATION	
Apprentice Name	
Registered Training Agreement #	
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 (e.g. UXXXX)	

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, please photocopy as needed or visit collegeoftrades.ca and search Sponsor Record Form.***

INSTRUCTIONS FOR APPRENTICESHIP PROGRAM COMPLETION (Appendix A)

Once an Apprentice has completed all the classroom training and on-the-job hours specified for the trade, and has acquired all the mandatory skills included in this Log Book:

1. The Apprentice and the Sponsor complete the Apprentice Completion Form and the Skill Set Completion for Sponsors Form located on the following pages.
2. They sign the forms and submit them to their local Ministry of Training, Colleges and Universities apprenticeship office. To find the closest office, check the contact information at <http://services.findhelp.ca/eo/tcu/appoff> or call the Employment Ontario toll free number at (1-800-387-5656).
3. Since this trade is competency based, all mandatory skills in the Log Book must be signed off. If the Sponsor is completing the Apprentice before the industry recommended training hours are done, Ministry 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 Ministry of Training, Colleges and Universities apprenticeship office by mail, fax, or email (as a scanned document), they should not include their Log Book; if they are presenting this form in person at the local apprenticeship office, they should bring their Log Book with them.

After Ministry 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 Ministry will issue a Certificate of Apprenticeship to the Apprentice.

The Ontario College of Trades will receive notification of this completion, and complete the individual's membership in the Apprentices class for the trade. If the Apprentice has completed a program in a compulsory trade, the College of Trades will automatically register the Apprentice as a member of the Journeyperson Candidates class so the Apprentice can continue to work legally for one year while preparing for the certification examination. If an apprentice completes their apprenticeship in a voluntary trade **and** there is no Certificate of Qualification exam, they can apply for membership in the Journeypersons Class at the Ontario College of Trades. If there is a Certificate of Qualification exam, they must write and pass the exam in order to enter the Journeypersons Class at the Ontario College of Trades.

For permission to schedule an exam once completion is confirmed by the Ministry, the individual must first contact the College of Trades Client Services Department at 647-847-3000 or toll free at 1-855-299-0028 to pay the certification examination fee.

**SKILL SET COMPLETION FOR SPONSORS (Appendix C)
AUTO BODY AND COLLISION DAMAGE REPAIRER – 310B**

You will find the skill set numbers and titles in the Log Book'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
U9021	PROTECT SELF AND OTHERS	
U9022	DETAIL INTERIOR AND EXTERIOR VEHICLE BODY AND COMPONENTS	
U9023	PREPARE VEHICLE FOR REFINISHING	
U9024	REPAIR TRIM COMPONENTS AND HARDWARE	
U9025	INSPECT, REMOVE, AND REPLACE SUPPLEMENTAL RESTRAINT SYSTEMS	
U9026	WELD, HEAT, AND CUT USING METAL INERT GAS WELDER (MIG)	
U9027	WELD, HEAT, AND CUT USING SQUEEZE-TYPE RESISTANCE SPOT WELDER (STRSW)	
U9028	WELD, HEAT, AND CUT USING SHIELDED METAL ARC WELDER (SMAW)	
U9029	WELD, HEAT, AND CUT USING OXYFUEL EQUIPMENT	
U9030	WELD, HEAT, AND CUT USING PLASMA ARC CUTTER	
U9031	REPAIR VEHICLE BODIES AND COMPONENTS	
U9032	PERFORM PAINTLESS DENT REPAIR (PDR)	
U9033	REPAIR PLASTICS AND FIBREGLASS	
U9034	REPAIR ELECTRICAL AND ELECTRONIC SYSTEMS AND COMPONENTS	
U9035	REPAIR ADVANCED ELECTRONIC SAFETY AND CONVENIENCE SYSTEMS AND COMPONENTS	
U9036	REPAIR COOLING, HEATING, AND AIR CONDITIONING SYSTEMS AND COMPONENTS	
U9037	REPAIR FRAMES AND UNIBODY ASSEMBLIES	
U9038	REPAIR STEERING AND SUSPENSION SYSTEMS	
U9039	REPAIR GLASS AND RELATED COMPONENTS	
U9040	REFINISH VEHICLE BODIES, TRIM, AND COMPONENTS	
U9041	ESTIMATE DAMAGE REPAIR	

MINISTRY OF TRAINING, COLLEGES AND UNIVERSITIIES 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 _____

**MINISTRY OF TRAINING, COLLEGES AND UNIVERSITIES
APPRENTICESHIP OFFICES IN ONTARIO (Appendix D)**

Location	Contact	Location	Contact
Barrie 705-737-1431	55 Cedar Pointe Dr Unit 609, Barrie, ON L4N 5R7	North Bay 705-495-8515	200 First Ave West, North Bay, ON P1B 3B9
Belleville 613-968-5558	135 North Front St, Belleville, ON K8P 3B5	Ottawa 613-731-7100	Preston Square, 347 Preston St 3rd Flr, Ottawa, ON K1S 3H8
Brantford 519-756-5197	505 Park Rd North Suite 201, Brantford, ON N3R 7K8	Owen Sound 519-376-5790	1450 1st Ave West Suite 100, Owen Sound, ON N4K 6W2
Chatham 519-354-2766	870 Richmond St West 1st Floor, Chatham, ON N7M 5J5	Pembroke 613-735-3911	615 Pembroke St East, Pembroke, ON K8A 3L7
Cornwall 613-938-9702	132 Second St East Ste 202, Cornwall, ON K6H 1Y4	Peterborough 705-745-1918	901 Lansdowne St West, Peterborough, ON K9J 1Z5
Dryden 807-223-4632	Provincial Government Building, 479 Government St, Dryden, ON P8N 3K9	Pickering (City of) 905-837-7721	1420 Bayly St Unit 1, Pickering, ON L1W 3R4
Elliot Lake 705-848-4661	50 Hillside Dr North, Elliot Lake, ON P5A 1X4	Sarnia 519-542-7705	Bayside Mall, 150 Christina St North, Sarnia, ON N7T 7W5
Fort Frances 807-274-8634	922 Scott St 2nd Flr, Fort Frances, ON P9A 1J4	Sault Ste. Marie 705-945-6815	477 Queen St East 4th Flr, Sault Ste Marie, ON P6A 1Z5
Hamilton Central 905-521-7764	Ellen Fairclough Bldg, 119 King St West 8th Flr, Hamilton, ON L8P 4Y7	St Catharines 905-704-2991	Garden City Tower, 301 St Paul St 10th Flr, St Catharines, ON L2R 7R4
Kapuskasing 705-337-4381	Ontario Government Complex, 122 Government Rd West, Kapuskasing, ON P5N 2X8	Sudbury 705-564-3030	159 Cedar St Ste 506, Sudbury, ON P3E 6A5
Kenora 807-468-2879	227 1/2 Second St South, Kenora, ON P9N 1G4	Thunder Bay 807-346-1550	189 Red River Rd Suite 103, Thunder Bay, ON P7B 1A2
Kingston 613-548-1151	Cornell Corporate Centre, 299 Concession St Ste 201, Kingston, ON K7K 2B9	Timmins 705-235-1950	Ontario Government Complex, 5520 Highway 101 East Wing B, South Porcupine, ON P0N 1H0
Kitchener 519- 653-5758	4275 King St East Ste 200, Kitchener, ON N2P 2E9	Toronto Central 416-326-5800	625 Church St 1st Fl, Toronto, ON M7A 2B5
London 519-675-7788	1200 Commissioners Rd E Unit 72, London, ON N5Z 4R3	Windsor Central 519-973-1441	Roundhouse Centre, 3155 Howard Ave 2nd Fl, Ste 200, Windsor, ON N8X 4Y8
Mississauga (City of) 905-279-7333	The Emerald Centre, 10 Kingsbridge Garden Cir Ste 404, Mississauga, ON L5R 3K6		

For current office listings, please visit: <http://services.findhelp.ca/eo/tcu/appoff>

Completing Your Apprenticeship Program

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

- ✔ Check the Ontario College of Trades Public Register to make sure your Apprentices class membership is still active:
<https://tmsportal.collegeoftrades.ca/web/ocot-public-services-v3/public-registry>
- ✔ Follow the completion instructions on the Completion Form (Appendix A) in the Log Book.
- ✔ Answer any questions that MTCU staff may have, and provide any additional completion documentation they may require.
- ✔ Once they confirm completion, MTCU will issue you a Certificate of Apprenticeship and notify the Ontario College of Trades of your completion.

After Your Apprenticeship

If you are in a trade with a certification exam, the College of Trades will **automatically** complete your membership in the Apprentices class and activate your 12-month membership in the Journeyman Candidates class. This change will be reflected on your account with the College as well as on the College's Public Register.

Membership in the Journeyman Candidates class will allow you to continue practising in a compulsory trade for 12 months while you prepare for and write your exam; if you are in a voluntary trade, it is your automatic approval to challenge the certification exam.

The College will send you a Journeyman Candidates class welcome letter within 3 weeks of completion that outlines any/all of your future requirements for membership and examination as appropriate (different situations for voluntary and compulsory trades).

If you complete an apprenticeship program for which there is no exam, you can submit an application to become a member of the College's Journeymen class on the basis of having earned a Certificate of Apprenticeship in the trade.

Preparing For Your Exam

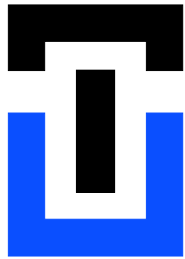
Find out if your trade has a Certificate of Qualification exam at:

www.collegeoftrades.ca/wp-content/uploads/tradesOntarioTradesCodes_En.pdf

For permission to schedule an exam once completion is confirmed by MTCU, you must first contact the College's Client Services Department at 647-847-3000 or toll free at 1-855-299-0028 to pay the certification exam fee. Once you have paid, contact your local MTCU Apprenticeship office to book your exam.

Download Ontario College of Trades exam preparation guide at:

www.collegeoftrades.ca/resources/exam-process and/or view the exam preparation guide for Red Seal trades at: www.red-seal.ca/w.2lc.4m.2@-eng.jsp



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Motor Vehicle Body Repairer (Metal and Paint)



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