

Notice of Change

New Product Implementation and Release Website Information

Trade/Occupation Name & Code: *Motorcycle Technician (310G)*

Implementation Date of New Standard: *December 18th, 2023*

Implementation Plan:

Apprenticeship Training Standards:

- Apprentices who began their apprenticeships on the former 2004 Apprenticeship Training Standard can complete their program using the performance objectives in that standard.
- All apprentices with Training Agreements registered on or after December 18th, 2023 must be trained to the new Training Standard.

Standard Access

Apprenticeship Training Standards:

- The new Apprenticeship Training Standard Logbook will be available on the Skilled Trades Ontario website.

General Description of Changes

The content and structure of the Motorcycle Technician Training Standard was revised to be harmonized with the 2022 Red Seal Occupational Standard (RSOS) for the trade.

The structure of the 2023 Apprenticeship Training Standard was reduced from 22 skill sets, in the 2004 Apprenticeship Training Standard, to 17 skill sets in the new standard. Many of the previous skills were integrated as steps/actions within a broader related performance objective (as the “how to” statements). Duplications were removed. The revised standard adheres to the current style guidelines for writing performance objectives.

One of the key changes to the new Apprenticeship Training Standard was the use of the word “service” to define multiple maintenance and repair activities performed by the Motorcycle Technician. Specifically, although the scope of practice for Motorcycle Technician designates service and repair as separate skills, for the purpose of the new Apprenticeship Training Standard, the term “service” was used to refer to actions and competencies including general service requirements such as preventative maintenance activities as well as relevant maintenance or repair activities needed to make the vehicle perform to expectation. The service requirements are determined in response to diagnosis and the specific procedures as indicated within the specific skills. This approach created a clear and cohesive standard and, most importantly, aligns and harmonizes the content with the approach in the Red Seal Occupational Standard (RSOS). This revision does not change the scope of practice/work for Motorcycle Technicians but provides clear language for training purposes.

The new Apprenticeship Training Standard for Motorcycle Technician includes the following 17 skill sets:

9765	Perform Safe Work Practices
9766	Use Tools and Equipment
9767	Perform Routine Work Practices
9768	Demonstrate Communication Skills
9769	Diagnose and Service Chassis
9770	Diagnose and Service Suspension Systems
9771	Diagnose and Service Wheels and Tires
9772	Diagnose and Service Braking Systems
9773	Diagnose and Service Engines
9774	Diagnose and Service Cooling and Lubrication Systems
9775	Diagnose and Service Clutches and Primary Drives
9776	Diagnose and Service Transmissions
9777	Diagnose and Service Final Drive
9778	Diagnose and Service Electrical Systems
9779	Diagnose and Service Vehicle Management Systems
9780	Diagnose and Service Fuel and Air Delivery Systems
9781	Diagnose and Service Exhaust Systems

Additional Details:

- Critical content gaps within the existing Apprenticeship Training Standard were addressed across the entire document considering the age of the existing standard.
- **Highlights of Skill Set structure changes:**
 - Existing content from prior skill set 4131 Apply General Work Practices and Procedures is now split into 3 separate skill sets:
 - 9766 Use Tools and Equipment
 - 9767 Perform Routine Work Practices
 - 9768 Demonstrate Communication Skills
 - Existing content from prior skill sets 4139 Diagnose and Repair steering system and 4149 Diagnose and Repair chassis and chassis components is now covered in a single skill set 9769 Diagnose and Service Chassis
 - Existing content from prior skill sets 4140 Diagnose and Repair Front Suspension and 4141 Diagnose and Repair Rear Suspension is now covered in a single skill set 9770 Diagnose and Service Suspension Systems
 - Existing content from prior skill sets 4142 Diagnose and Repair Mechanic Braking Systems and 4143 Diagnose and Repair Hydraulic Braking Systems is now covered in a single skill set 9772 Diagnose and Service Braking Systems

- Partial existing content from 4138 Diagnose and Repair Driveline is now into a 3 separate standalone skill sets- 9775 Diagnose and Service Clutches and Primary Drives, 9776 Diagnose and Service Transmissions and 9777 Diagnose and Service Final Drive
 - Previous existing content from 4145 Diagnose and Repair Charging System, 4146 Diagnose and Repair Electric Starting System, 4147 Diagnose and Repair Ignition System and 4148 Diagnose and Repair Electrical Ancillaries were merged into one skill set 9778 Diagnose and Service Electrical Systems
 - New skill set 9779 Diagnose and Service Vehicle Management Systems – reflects content gaps missing in the out-of-date 2004 standard.
 - Previous existing content from 4134 Diagnose and Repair Fuel Carburation System and 4135 Diagnose and Repair Fuel-Injection Systems is merged into skill set 9780 Diagnose and Service Fuel and Air Delivery Systems
 - The standalone skill set on service body parts (4150) was removed and relevant remaining content was integrated into 9767 Perform Routine Work Practices
 - Skill set 4151 Diagnose and Repair Sidecar was removed as sidecars are no longer common in 2023 and rarely manufactured.
- **Highlights of New Skills reflecting missing content:**
 These new skills do NOT reflect additions to the scope of work or scope of practice of a Motorcycle Technician. They simply fill gaps in content that were missing as a result of the outdated standard being from 2004 and align with related content in the RSOS. In addition, skills related to three-wheel motorcycles were made optional as it is newer technology and apprentices may not get exposure to the technology.
 - 9767.07 Verify repair of components on return from specialty shop
 - 9768.05 Mentor apprentices or colleagues
 - 9769.03 Diagnose steering systems for three-wheel motorcycles
 - 9769.08 Service steering systems for three-wheel motorcycles
 - 9770.02 Diagnose front suspension components on three-wheel motorcycles
 - 9770.06 Service front suspension components on three-wheel motorcycles
 - 9775.05 Diagnose automatic clutches
 - 9775.11 Service automatic clutches
 - 9779.01 Read fault codes
 - 9779.02 Interpret fault code results
 - 9779.03 Test system circuitry and components
 - 9779.04 Update software
 - 9769.03 Diagnose steering systems for three-wheel motorcycles
 - 9769.08 Service steering systems for three-wheel motorcycles

- 9770.02 Diagnose front suspension components for three-wheel motorcycles
- 9770.06 Service front suspension components for three-wheel motorcycles
- **Optional Skills content that became Mandatory through integration into a broader skill:**
 - 4141.06 Inspect, test, adjust, and replace auto levelling system components
 - This is a step/action is required to service rear suspension components and as such was integrated as part of 9770.07 Service Rear suspension components.
 - 4147.08 Inspect and replace points and condenser and 4147.10 Adjust timing of breaker-point ignition system
 - These steps/actions are part of servicing ignition systems and as such content was integrated into 9779.09 Service ignition systems.
- **Mandatory Skills that became Optional:**
 - The following skills content is related to old technology and as such, were made optional as apprentices may not get exposure to the wheels or related technology and very few motorcycle models have a front bevel gear design.
 - 9771.04 Diagnose multi-piece wheels
 - 9771.08 Service multi-piece wheels and components
 - 9773.03 Diagnose valve systems on two-stroke engine
 - 9773.10 Service valve systems on two-stroke engine
 - 9776.03 Diagnose front bevel gear
 - 9776.06 Service front bevel gear
- The CEO endorsed this Standard on June 6, 2023