

## MOTORCYCLE MECHANIC SELF-ASSESSMENT GUIDE

This Self-Assessment Guide is an opportunity for aspiring tradespersons to reflect on what they know and what they still need to learn in order to prepare to challenge the Red Seal Inter-Provincial Exam.

Rate your experience for each sub-task based on the scale below. The number of questions in each section of the certification exam is identified next to each Block title. How you assess yourself is an important step to knowing where to focus your study as you prepare for the certification exam.

Select the Circle that best reflects your experience with that particular subtask:

if you have no experience performing this sub-task.

if you have a little experience performing this sub-task.

if you have a some experience performing this sub-task with help.

if you have some experience performing this sub-task alone and unaided.

if you have lots of experience performing this sub-task.

Then, focus your study efforts on the sub-task areas where you have less experience.

<b>A - COMMON OCCUPATIONAL SKILLS (10 Questions)</b>		
Task	Sub-Task	Rating
<b>Task 1 - Performs safety-related functions</b>	1.01 Maintains safe work environment	
	1.02 Uses personal protective equipment (PPE) and safety equipment.	
<b>Task 2 - Performs routine work practices</b>	2.01 Uses trade-related consumables	
	2.02 Performs periodic maintenance	
	2.03 Performs storage procedures	
	2.04 Prepares new units	
	2.05 Conducts safety inspections	
	2.06 Maintains tools and equipment	
	2.07 Verifies repairs	
	2.08 Prepares reports and recommendations	

**B - CHASSIS AND SUSPENSION (14 Questions)**

Task	Sub-Task	Rating
<b>Task 3 - Diagnoses chassis and components</b>	3.01 Diagnoses frame	
	3.02 Diagnoses steering head	
	3.03 Diagnoses handle bars, foot rests and controls	
	3.04 Diagnoses ancillary and accessory components	
<b>Task 4 - Services chassis and components</b>	4.01 Services frame	
	4.02 Services steering head	
	4.03 Services handle bars, foot rests and controls	
	4.04 Services ancillary and accessory components	
<b>Task 5 - Diagnoses suspension</b>	5.01 Diagnoses front suspension components	
	5.02 Diagnoses rear suspension components	
	5.03 Diagnoses swing arm	
<b>Task 6 - Services suspension system</b>	6.01 Services front suspension components	
	6.02 Services rear suspension components	
	6.03 Services swing arm	

<b>C - WHEELS AND TIRES (12 Questions)</b>		
Task	Sub-Task	Rating
<b>Task 7 - Diagnoses wheels and tires</b>	7.01 Diagnoses tires	
	7.02 Diagnoses spoked wheels	
	7.03 Diagnosis one piece wheels	
	7.04 Diagnoses multi-piece wheels	
<b>Task 8 - Services wheels and tires</b>	8.01 Services tires	
	8.02 Services spoked wheels	
	8.03 Services one piece wheels	
	8.04 Services multi-piece wheels	

<b>D - BRAKES (13 Questions)</b>		
Task	Sub-Task	Rating
<b>Task 9 - Diagnoses braking systems</b>	9.01 Diagnoses hydraulic braking systems	
	9.02 Diagnoses mechanical braking systems	
	9.03 Diagnoses braking control systems	
<b>Task 10 - Services braking systems</b>	10.01 Services hydraulic braking systems	
	10.02 Services mechanical braking systems	
	10.03 Services braking control systems	

**E - ENGINES (19 Questions)**

Task	Sub-Task	Rating
<b>Task 11 - Diagnoses two-stroke and four stroke engines</b>	11.01 Diagnoses cylinder heads	
	11.02 Diagnoses valve systems on two-stroke engine	
	11.03 Diagnoses valve train on four-stroke engine	
	11.04 Diagnoses cylinders and pistons	
	11.05 Diagnoses crankshaft assembly	
	11.06 Diagnoses counterbalance assemblies	
	11.07 Diagnoses engine cases	
	11.08 Diagnoses lubrication system	
	11.09 Diagnoses cooling system	
<b>Task 12 - Services two-stroke and four stroke engines</b>	12.01 Services cylinder heads	
	12.02 Services valve systems on two-stroke engine	
	12.03 Services valve train on four-stroke engine	
	12.04 Services cylinders and pistons	
	12.05 Services crankshaft assembly	
	12.06 Services counterbalance assemblies	
	12.07 Services engine cases	
	12.08 Services lubrication system	
	12.09 Services cooling system	

**F - POWER TRANSFER (16 Questions)**

Task	Sub-Task	Rating
<b>Task 13 - Diagnoses clutches and primary drive</b>	13.01 Diagnoses primary drive gears	
	13.02 Diagnoses primary drive chains and sprockets	
	13.03 Diagnoses primary drive belts and pulleys	
	13.04 Diagnoses manual clutches	
	13.05 Diagnoses automatic clutches	
	13.06 Diagnoses kick start	
<b>Task 14 - Services clutches and primary drive</b>	14.01 Services primary drive gears	
	14.02 Services primary drive chains and sprockets	
	14.03 Services primary drive belts and pulleys	
	14.04 Services manual clutches	
	14.05 Services automatic clutches	
	14.06 Services kick start	
<b>Task 15 - Diagnoses transmissions</b>	15.01 Diagnoses constant mesh transmissions	
	15.02 Diagnoses variable ratio belt transmissions	
	15.03 Diagnoses automatic transmissions	
<b>Task 16 - Services transmissions</b>	16.01 Services constant mesh transmissions	
	16.02 Services variable ratio belt transmissions	
	16.03 Services automatic transmissions	

<b>Task 17 - Diagnoses final drive</b>	17.01 Diagnoses final drive chains and sprockets	
	17.02 Diagnoses final drive shaft and gears	
	17.03 Diagnoses final drive belts and pulleys	
<b>Task 18 - Services final drive</b>	18.01 Services final drive chains and sprockets	
	18.02 Services final drive shaft and gears	
	18.03 Services final drive belts and pulleys	

<b>G - ELECTRICAL SYSTEMS (19 Questions)</b>		
<b>Task</b>	<b>Sub-Task</b>	<b>Rating</b>
<b>Task 19- Diagnoses electrical systems</b>	19.01 Diagnoses battery and charging system	
	19.02 Diagnoses ancillary and accessory components	
	19.03 Diagnoses wiring harness	
	19.04 Diagnoses ignition system	
	19.05 Diagnoses starting system	
<b>Task 20 - Services electrical systems</b>	20.01 Services battery and charging system	
	20.02 Services ancillary and accessory components	
	20.03 Services wiring harness	
	20.04 Services ignition system	
	20.05 Services starting system	

<b>H - VEHICLE MANAGEMENT SYSTEMS (12 Questions)</b>		
Task	Sub-Task	Rating
<b>Task 21 - Diagnoses vehicle management systems</b>	21.01 Read fault codes	
	21.02 Interprets test results	
<b>Task 22 - Services vehicle management systems</b>	22.01 Tests system circuitry and components	
	22.02 Services system circuitry and components	

<b>I - FUEL AND EXHAUST SYSTEMS (15 Questions)</b>		
Task	Sub-Task	Rating
<b>Task 23 - Diagnoses fuel and exhaust systems</b>	23.01 Diagnoses fuel tanks and components	
	23.02 Diagnoses air delivery systems	
	23.03 Diagnoses carburetor systems	
	23.04 Diagnoses fuel injection systems	
	23.05 Diagnoses exhaust system	
<b>Task 24 - Services fuel and exhaust systems</b>	24.01 Services fuel tanks and components	
	24.02 Services air delivery systems	
	24.03 Services carburetor systems	
	24.04 Services fuel injection systems	
	24.05 Services exhaust system	