

Automotive Service Technician RSOS (2016) Subtask-to-Unit Comparison

RSOS Subtask		Manitoba Unit(s)
Task A-1 Performs safety-related functions.		
1.01	Maintains safe work environment.	A1 Learning About Work A2 Trade Safety Awareness
1.02	Uses personal protective equipment (PPE) and safety equipment.	A1 Learning About Work A2 Trade Safety Awareness
Task A-2 Uses tools, equipment and documentation.		
2.01	Uses tools and equipment.	A3 Tools, Equipment, Materials and Documentation
2.02	Uses fasteners, tubing, hoses and fittings.	A3 Tools, Equipment, Materials and Documentation
2.03	Uses hoisting and lifting equipment.	A3 Tools, Equipment, Materials and Documentation
2.04	Uses technical information.	A1 Learning About Work A3 Tools, Equipment, Materials and Documentation A4 Trade Related Communications D1 Journeyperson Trainer
Task A-3 Uses communication and mentoring techniques.		
3.01	Uses communication techniques.	A1 Learning About Work A4 Trade Related Communications D1 Journeyperson Trainer
3.02	Uses mentoring techniques.	A1 Learning About Work D1 Journeyperson Trainer
Task B-4 Diagnoses engine systems.		
4.01	Diagnoses cooling systems.	B2 Cooling and Accessory Drive Systems
4.02	Diagnoses lubricating systems.	B1 Engine Diagnoses and Repair
4.03	Diagnoses engine assembly.	B1 Engine Diagnoses and Repair
4.04	Diagnoses accessory drive systems.	B2 Cooling and Accessory Drive Systems
Task B-5 Repairs engine systems.		
5.01	Repairs cooling systems.	B2 Cooling and Accessory Drive Systems
5.02	Repairs lubricating systems.	B1 Engine Diagnoses and Repair
5.03	Repairs engine assembly.	B1 Engine Diagnoses and Repair
5.04	Repairs accessory drive systems.	B2 Cooling and Accessory Drive Systems
Task B-6 Diagnoses gasoline engine support systems.		
6.01	Diagnoses gasoline fuel delivery and injection systems.	C2 Gasoline Fuel Systems
6.02	Diagnoses gasoline ignition systems.	C1 Ignition Systems
6.03	Diagnoses gasoline intake/exhaust systems.	C4 Intake and Exhaust Systems
6.04	Diagnoses gasoline emission control systems.	C3 Gasoline Emission Control Systems
Task B-7 Repairs gasoline engine support systems.		
7.01	Repairs gasoline fuel delivery and injection systems.	C2 Gasoline Fuel Systems
7.02	Repairs gasoline ignition systems.	C1 Ignition Systems
7.03	Repairs gasoline intake/exhaust systems.	C4 Intake and Exhaust Systems

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7.04	Repairs gasoline emission control systems.	C3 Gasoline Emission Control Systems
Task B-8 Diagnoses diesel engine support systems.		
8.01	Diagnoses diesel fuel delivery and injection systems.	D4 Diesel Engine Support Systems
8.02	Diagnoses diesel intake/exhaust systems.	D4 Diesel Engine Support Systems
8.03	Diagnoses diesel emission control systems.	D4 Diesel Engine Support Systems
Task B-9 Repairs diesel engine support systems.		
9.01	Repairs diesel fuel delivery and injection systems.	D4 Diesel Engine Support Systems
9.02	Repairs diesel intake/exhaust systems.	D4 Diesel Engine Support Systems
9.03	Repairs diesel emission control systems.	D4 Diesel Engine Support Systems
Task C-10 Diagnoses vehicle networking systems.		
10.01	Reads diagnostic trouble codes (DTCs)	C5 Vehicle Management Systems
10.02	Monitors data.	C5 Vehicle Management Systems
10.03	Interprets test results.	C5 Vehicle Management Systems
10.04	Tests system circuitry and components.	C5 Vehicle Management Systems
Task C-11 Repairs vehicle networking systems.		
11.01	Updates component software.	C5 Vehicle Management Systems
11.02	Replaces components.	C5 Vehicle Management Systems
11.03	Verifies vehicle module communications system repair.	C5 Vehicle Management Systems
Task D-12 Diagnoses driveline systems.		
12.01	Diagnoses drive shafts and axles.	A9 Drive Shafts and Axles
12.02	Diagnoses manual transmissions/transaxles.	B8 Manual Transmissions and Transaxles
12.03	Diagnoses automatic transmissions/transaxles.	D3 Advanced 4WD/AWD Systems D5 Automatic Transmissions and Transaxles
12.04	Diagnoses clutches.	B7 Clutches and Flywheels
12.05	Diagnoses transfer cases.	C6 Transfer Cases and 4WD/AWD Systems
12.06	Diagnoses final drive assemblies.	B9 Differentials and Final Drive Assemblies
Task D-13 Repairs driveline systems.		
13.01	Repairs drive shafts and axles.	A9 Drive Shafts and Axles
13.02	Repairs manual transmissions/transaxles.	B8 Manual Transmissions and Transaxles
13.03	Repairs automatic transmissions/transaxles.	D3 Advanced 4WD/AWD Systems D5 Automatic Transmissions and Transaxles
13.04	Repairs clutches.	B7 Clutches and Flywheels
13.05	Repairs transfer cases.	C6 Transfer Cases and 4WD/AWD Systems
13.06	Repairs final drive assemblies.	B9 Differentials and Final Drive Assemblies
Task E-14 Diagnoses electrical systems and components.		
14.01	Diagnoses basic wiring and electrical systems.	A5 Trade Related Mathematics A7 Electrical Systems I: Fundamentals
14.02	Diagnoses starting/charging systems and batteries.	A5 Trade Related Mathematics A7 Electrical Systems I: Fundamentals B3 Starting and Charging Systems
14.03	Diagnoses lighting and wiper systems.	B4 Lighting and Wiper Systems
14.04	Diagnoses entertainment systems.	D2 Instrumentation and Information Displays and Entertainment Systems

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14.05	Diagnoses electrical options.	C7 Electrical Options and Accessories
14.06	Diagnoses instrumentation and information displays.	D2 Instrumentation and Information Displays and Entertainment Systems
14.07	Diagnoses electrical accessories.	C7 Electrical Options and Accessories
Task E-15 Repairs electrical systems and components.		
15.01	Repairs basic wiring and electrical systems.	A7 Electrical Systems I: Fundamentals
15.02	Repairs starting/charging systems and batteries.	A7 Electrical Systems I: Fundamentals B3 Starting and Charging Systems
15.03	Repairs lighting and wiper systems.	B4 Lighting and Wiper Systems
15.04	Repairs entertainment systems.	D2 Instrumentation and Information Displays and Entertainment Systems
15.05	Repairs electrical options.	C7 Electrical Options and Accessories
15.06	Repairs instrumentation and information displays.	D2 Instrumentation and Information Displays and Entertainment Systems
15.07	Installs electrical accessories.	C7 Electrical Options and Accessories
15.08	Repairs electrical accessories.	C7 Electrical Options and Accessories
Task E-16 Diagnoses heating, ventilation and air conditioning (HVAC) and comfort control systems.		
16.01	Diagnoses air flow control systems.	D6 Heating, Ventilation and Air Conditioning Systems
16.02	Diagnoses refrigerant systems.	D6 Heating, Ventilation and Air Conditioning Systems
16.03	Diagnoses heating systems.	D6 Heating, Ventilation and Air Conditioning Systems
Task E-17 Repairs HVAC and comfort control systems.		
17.01	Repairs air flow control systems.	D6 Heating, Ventilation and Air Conditioning Systems
17.02	Repairs refrigerant systems.	D6 Heating, Ventilation and Air Conditioning Systems
17.03	Repairs heating systems.	D6 Heating, Ventilation and Air Conditioning Systems
Task F-18 Diagnoses steering and suspension, braking, control systems, tires, wheels, hubs and wheel bearings.		
18.01	Diagnoses steering, suspension and control systems.	A8 Steering and Suspension Systems I B5 Steering and Suspension Systems II B6 Wheel Alignments
18.02	Diagnoses braking and control systems.	A10 Braking Systems I B10 Braking Systems II (ABS)
18.03	Diagnoses tires, wheels, hubs and wheel bearings.	A11 Tires, Wheels and Hubs
Task F-19 Repairs steering and suspension, braking, control systems, tires, wheels, hubs and wheel bearings.		
19.01	Repairs steering, suspension and control systems.	A8 Steering and Suspension Systems I B5 Steering and Suspension Systems II B6 Wheel Alignments
19.02	Repairs braking and control systems.	A10 Braking Systems I B10 Braking Systems II (ABS)
19.03	Repairs tires, wheels, hubs and wheel bearings.	A11 Tires, Wheels and Hubs
Task G-20 Diagnoses restraint systems, body components, accessories and trim.		
20.01	Diagnoses restraint systems.	D7 Restraint Systems
20.02	Diagnoses wind noises, rattles and water leaks.	A12 Body Components and Trim
20.03	Diagnoses interior and exterior components, accessories and trim.	A12 Body Components and Trim
20.04	Diagnoses latches, locks and movable glass.	A12 Body Components and Trim
Task G-21 Repairs restraint systems, body components, accessories and trim.		

RSOS Subtask		Manitoba Unit(s)
21.01	Repairs restraint systems.	D7 Restraint Systems
21.02	Repairs wind noises, rattles and water leaks.	A12 Body Components and Trim
21.03	Repairs interior and exterior components, accessories and trim.	A12 Body Components and Trim
21.04	Repairs latches, locks and movable glass.	A12 Body Components and Trim
Task H-22 Diagnoses hybrid and EV.		
22.01	Implements specific safety protocols for hybrid and EV.	A13 Hybrid and Electric Vehicle Systems I D8 Hybrid and Electric Vehicle Systems II
22.02	Diagnoses hybrid and EV systems.	A13 Hybrid and Electric Vehicle Systems I D8 Hybrid and Electric Vehicle Systems II
Task H-23 Repairs hybrid and EV.		
23.01	Repairs hybrid vehicle systems.	A13 Hybrid and Electric Vehicle Systems I D8 Hybrid and Electric Vehicle Systems II
23.02	Repairs EV systems.	A13 Hybrid and Electric Vehicle Systems I D8 Hybrid and Electric Vehicle Systems II