

Truck and Transport Mechanic NOA (2015) Subtask to Unit Comparison

| NOA Subtask | | Manitoba Unit(s) |
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| Task 1 – Performs safety-related functions. | | |
| 1.01 | Maintains safe work environment. | A2 Trade Safety Awareness |
| 1.02 | Uses personal protective equipment (PPE) and safety equipment. | A2 Trade Safety Awareness |
| Task 2 – Uses and maintains tools and equipment. | | |
| 2.01 | Maintains hand, power, measuring, testing, and diagnostic tools. | A3 Tools and Equipment |
| 2.02 | Maintains shop equipment. | A3 Tools and Equipment |
| 2.03 | Maintains hoisting and lifting equipment. | A8 Hoisting and Lifting |
| 2.04 | Uses welding and cutting equipment. | A5 Engine Principles A12 Welding I |
| Task 3 – Performs routine trade activities. | | |
| 3.01 | Uses documentation and reference materials. | A1 Learning About Work A4 Trade Communications, Documents and Computer Skills A5 Engine Principles D1 Journeyperson Trainer |
| 3.02 | Maintains fluids, lubricants and coolants. | A5 Engine Principles |
| 3.03 | Services hoses, tubing and fittings. | A5 Engine Principles |
| 3.04 | Services filters. | A5 Engine Principles |
| 3.05 | Services bearings, bushings and seals. | A5 Engine Principles |
| 3.06 | Uses fasteners, sealing devices, adhesives and gaskets. | A5 Engine Principles |
| Task 4 – Services, diagnoses and repairs base engine. | | |
| 4.01 | Services base engine. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 4.02 | Diagnoses base engine. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 4.03 | Repairs base engine. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| Task 5 – Services, diagnoses and repairs lubrication system. | | |
| 5.01 | Services lubrication systems. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 5.02 | Diagnoses lubrication systems. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 5.03 | Repairs lubrication systems. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| Task 6 – Services, diagnoses and repairs intake and exhaust systems. | | |
| 6.01 | Services intake and exhaust systems. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems |

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| | | C5 Engine Brakes and Retarders |
| 6.02 | Diagnoses intake and exhaust systems. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 6.03 | Repairs intake and exhaust systems. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| Task 7 – Services, diagnoses and repairs engine management system. | | |
| 7.01 | Services engine management system. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems D2 Electronics II: Vehicle/Engine Management Systems |
| 7.02 | Diagnoses engine management system. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems D2 Electronics II: Vehicle/Engine Management Systems |
| 7.03 | Repairs engine management system. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems D2 Electronics II: Vehicle/Engine Management Systems |
| Task 8 – Services, diagnoses and repairs fuel delivery systems. | | |
| 8.01 | Services fuel delivery system. | B3 Engines and Engine Support Systems B7 Alternate Fuels C3 Diesel Fuel Systems |
| 8.02 | Diagnoses fuel delivery system. | B3 Engines and Engine Support Systems B7 Alternate Fuels C3 Diesel Fuel Systems |
| 8.03 | Repairs fuel delivery system. | B3 Engines and Engine Support Systems B7 Alternate Fuels C3 Diesel Fuel Systems |
| Task 9 – Services, diagnoses and repairs emission systems for diesel engines. | | |
| 9.01 | Services emission systems for diesel engines. | B3 Engines and Engine Support Systems C4 Emission Control Systems |
| 9.02 | Diagnoses emission systems for diesel engines. | B3 Engines and Engine Support Systems C4 Emission Control Systems |
| 9.03 | Repairs emission systems for diesel engines. | B3 Engines and Engine Support Systems C4 Emission Control Systems |
| Task 10 – Services, diagnoses and repairs engine retarder systems. | | |
| 10.01 | Services and repairs engine retarder systems. | B3 Engines and Engine Support Systems C5 Engine Brakes and Retarders |
| 10.02 | Diagnoses engine retarder systems. | B3 Engines and Engine Support Systems C5 Engine Brakes and Retarders |
| Task 11 – Services, diagnoses and repairs cooling system. | | |
| 11.01 | Services cooling system. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 11.02 | Diagnoses cooling system. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| 11.03 | Repairs cooling system. | B3 Engines and Engine Support Systems C3 Diesel Fuel Systems C5 Engine Brakes and Retarders |
| Task 12 – Services, diagnoses and repairs air systems. | | |
| 12.01 | Services air systems. | A7 Braking Systems and Wheel-End Safety D4 Air Brake Systems |
| 12.02 | Diagnoses air systems. | A7 Braking Systems and Wheel-End Safety D4 Air Brake Systems |

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| 12.03 | Repairs air systems. | A7 Braking Systems and Wheel-End Safety D4 Air Brake Systems |
| Task 13 – Services, diagnoses and repairs brake systems. | | |
| 13.01 | Services brake systems. | A7 Braking Systems and Wheel-End Safety D4 Air Brake Systems |
| 13.02 | Diagnoses brake systems. | A7 Braking Systems and Wheel-End Safety D4 Air Brake Systems |
| 13.03 | Repairs brake systems. | A7 Braking Systems and Wheel-End Safety D4 Air Brake Systems |
| Task 14 – Services, diagnoses and repairs batteries. | | |
| 14.01 | Performs servicing and repair of batteries. | A5 Electrical Fundamentals |
| 14.02 | Diagnoses batteries. | A5 Electrical Fundamentals |
| Task 15 – Services, diagnoses and repairs charging systems. | | |
| 15.01 | Services charging systems. | A6 Electrical Fundamentals B2 Vehicle Electrical Systems |
| 15.02 | Diagnoses charging systems. | A6 Electrical Fundamentals B2 Vehicle Electrical Systems |
| 15.03 | Repairs charging systems. | A6 Electrical Fundamentals B2 Vehicle Electrical Systems |
| Task 16 – Services, diagnoses and repairs spark ignition systems. | | |
| 16.01 | Performs servicing and repair of spark ignition systems. | A6 Electrical Fundamentals B5 Electronics I: Fundamentals |
| 16.02 | Diagnoses spark ignition systems. | A6 Electrical Fundamentals B5 Electronics I: Fundamentals |
| Task 17 – Services, diagnoses and repairs starting systems. | | |
| 17.01 | Performs servicing and repairs of starting systems. | A6 Electrical Fundamentals B2 Vehicle Electrical Systems |
| 17.02 | Diagnoses starting systems. | A6 Electrical Fundamentals B2 Vehicle Electrical Systems |
| Task 18 – Services, diagnoses and repairs electrical components and accessories. | | |
| 18.01 | Performs servicing and repair of electrical components and accessories. | B2 Vehicle Electrical Systems |
| 18.02 | Diagnoses electrical components and accessories. | B2 Vehicle Electrical Systems |
| Task 19 – Services, diagnoses and repairs vehicle management systems and electronic components. | | |
| 19.01 | Services vehicle management systems and electronic components. | B5 Electronics I: Fundamentals D2 Electronics II: Vehicle/Engine Management Systems |
| 19.02 | Diagnoses vehicle management systems and electronic components. | B5 Electronics I: Fundamentals D2 Electronics II: Vehicle/Engine Management Systems |
| 19.03 | Repairs vehicle management systems and electronic components. | B5 Electronics I: Fundamentals D2 Electronics II: Vehicle/Engine Management Systems |
| Task 20 – Services, diagnoses and repairs clutches. | | |
| 20.01 | Services clutches. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 20.02 | Diagnoses clutches. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 20.03 | Repairs clutches. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| Task 21 – Services, diagnoses and repairs manual transmission and transfer cases. | | |

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| 21.01 | Services manual transmission and transfer cases. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 21.02 | Diagnoses manual transmission and transfer cases. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 21.03 | Repairs manual transmission and transfer cases. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| Task 22 – Services, diagnoses and repairs automatic transmissions. | | |
| 22.01 | Services automatic transmissions. | B4 Drivetrains I: Fundamentals C8 Automatic Transmissions |
| 22.02 | Diagnoses automatic transmissions. | B4 Drivetrains I: Fundamentals C8 Automatic Transmissions |
| 22.03 | Repairs automatic transmissions. | B4 Drivetrains I: Fundamentals C8 Automatic Transmissions |
| Task 23 – Services, diagnoses and repairs automated transmissions. | | |
| 23.01 | Services automated transmissions. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 23.02 | Diagnoses automated transmissions. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 23.03 | Repairs automated transmissions. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| Task 24 – Services, diagnoses and repairs driveline systems. | | |
| 24.01 | Services driveline systems. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 24.02 | Diagnoses driveline systems. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| 24.03 | Repairs driveline systems. | B4 Drivetrains I: Fundamentals C6 Twin Countershaft Transmissions |
| Task 25 – Services, diagnoses and repairs differentials. | | |
| 25.01 | Services differentials. | B4 Drivetrains I: Fundamentals C7 Drive Axles and Differentials |
| 25.02 | Diagnoses differentials. | B4 Drivetrains I: Fundamentals C7 Drive Axles and Differentials |
| 25.03 | Repairs differentials. | B4 Drivetrains I: Fundamentals C7 Drive Axles and Differentials |
| Task 26 – Services, diagnoses and repairs drive train retarders. | | |
| 26.01 | Services drive train retarders. | B4 Drivetrains I: Fundamentals C5 Engine Brakes and Retarders |
| 26.02 | Diagnoses drive train retarders. | B4 Drivetrains I: Fundamentals C5 Engine Brakes and Retarders |
| 26.03 | Repairs drive train retarders. | B4 Drivetrains I: Fundamentals C5 Engine Brakes and Retarders |
| Task 27 – Services, diagnoses and repairs steering systems. | | |
| 27.01 | Services steering systems. | A10 Frames, Suspensions, and Structural Components B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| 27.02 | Diagnoses steering systems. | A10 Frames, Suspensions, and Structural Components B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| 27.03 | Repairs steering systems. | B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| Task 28 – Services, diagnoses and repairs chassis/frames. | | |
| 28.01 | Services chassis/frames. | A10 Frames, Suspensions, and Structural Components |

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| | | D3 Steering and Suspension Systems II |
| 28.02 | Diagnoses chassis/frames. | A10 Frames, Suspensions, and Structural Components D3 Steering and Suspension Systems II |
| 28.03 | Repairs chassis/frames. | D3 Steering and Suspension Systems II |
| Task 29 – Services, diagnoses and repairs suspension. | | |
| 29.01 | Services suspension. | A10 Frames, Suspensions, and Structural Components B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| 29.02 | Diagnoses suspension. | A10 Frames, Suspensions, and Structural Components B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| 29.03 | Repairs suspension. | B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| Task 30 – Services, diagnoses and repairs hitches and couplers. | | |
| 30.01 | Services hitches and couplers. | A10 Frames, Suspensions, and Structural Components D6 Interior Cabs, Coupling Devices and Accessories |
| 30.02 | Diagnoses hitches and couplers. | A10 Frames, Suspensions, and Structural Components D6 Interior Cabs, Coupling Devices and Accessories |
| 30.03 | Repairs hitches and couplers. | D6 Interior Cabs, Coupling Devices and Accessories |
| Task 31 – Services, diagnoses and repairs tires, wheels and hubs. | | |
| 31.01 | Services tires, wheels and hubs. | A7 Braking Systems and Wheel-End Safety B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| 31.02 | Diagnoses tires, wheels and hubs. | A7 Braking Systems and Wheel-End Safety B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| 31.03 | Repairs tires, wheels and hubs. | A7 Braking Systems and Wheel-End Safety B6 Steering and Suspension Systems I D3 Steering and Suspension Systems II |
| Task 32 – Services, diagnoses and repairs interior cab components. | | |
| 32.01 | Services interior cab components. | D6 Interior Cabs, Coupling Devices and Accessories |
| 32.02 | Diagnoses interior cab components. | D6 Interior Cabs, Coupling Devices and Accessories |
| 32.03 | Repairs interior cab components. | D6 Interior Cabs, Coupling Devices and Accessories |
| Task 33 – Services, diagnoses and repairs exterior cab components. | | |
| 33.01 | Services exterior cab components. | A10 Frames, Suspensions, and Structural Components |
| 33.02 | Diagnoses exterior cab components. | A10 Frames, Suspensions, and Structural Components |
| 33.03 | Repairs exterior cab components. | A10 Frames, Suspensions, and Structural Components |
| Task 34 – Services, diagnoses and repairs trailer components and accessories. | | |
| 34.01 | Services trailer components and accessories. | D7 Trailer Systems and HVAC |
| 34.02 | Diagnoses trailer components and accessories. | D7 Trailer Systems and HVAC |
| 34.03 | Repairs trailer components and accessories. | D7 Trailer Systems and HVAC |
| Task 35 – Services, diagnoses and repairs heating refrigeration systems. | | |
| 35.01 | Services heating and refrigeration systems. | D7 Trailer Systems and HVAC |
| 35.02 | Diagnoses heating and refrigeration systems. | D7 Trailer Systems and HVAC |
| 35.03 | Repairs heating and refrigeration systems. | D7 Trailer Systems and HVAC |

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| Task 36 – Services, diagnoses and repairs heating ventilation systems. | | |
| 36.01 | Services heating and ventilation systems. | A11 HVAC and Environmental Controls I C1 HVAC and Environmental Controls II D7 Trailer Systems and HVAC |
| 36.02 | Diagnoses heating and ventilation systems. | A11 HVAC and Environmental Controls I C1 HVAC and Environmental Controls II D7 Trailer Systems and HVAC |
| 36.03 | Repairs heating and ventilation systems. | A11 HVAC and Environmental Controls I C1 HVAC and Environmental Controls II D7 Trailer Systems and HVAC |
| Task 37 – Services, diagnoses and repairs air conditioning systems. | | |
| 37.01 | Services air conditioning systems. | A11 HVAC and Environmental Controls I C1 HVAC and Environmental Controls II |
| 37.02 | Diagnoses air conditioning systems. | A11 HVAC and Environmental Controls I C1 HVAC and Environmental Controls II |
| 37.03 | Repairs air conditioning systems. | A11 HVAC and Environmental Controls I C1 HVAC and Environmental Controls II |
| Task 38 – Services, diagnoses and repairs hydraulic components. | | |
| 38.01 | Services hydraulic components. | A9 Basic Hydraulic Systems D3 Steering and Suspension Systems II |
| 38.02 | Diagnoses hydraulic components. | A9 Basic Hydraulic Systems D3 Steering and Suspension Systems II |
| 38.03 | Repairs hydraulic components. | A9 Basic Hydraulic Systems D3 Steering and Suspension Systems II |



Rev. 04/2019