

Truck and Transport Mechanic NOA (2000) Subtask to Unit Comparison

NOA Subtask		Manitoba Unit(s)
Task 1 – Completes maintenance records and documents.		
1.01	Documents work performed.	A3 Inspection Procedures – Truck and Bus
		B1 Basic Computer Skills, Information Retrieval and Communications
		B2 Customer Relations and Communications
1.02	Completes maintenance schedules and checklists.	A3 Inspection Procedures – Truck and Bus
		B1 Basic Computer Skills, Information Retrieval and Communications
		B2 Customer Relations and Communications
1.03	Records road test results.	A3 Inspection Procedures – Truck and Bus
1.04	Records inspection results.	A3 Inspection Procedures – Truck and Bus
Task 2 – Operates and maintains tools and equipment.		
2.01	Uses general hand tools.	D1 Engine Systems and Repair Procedures
2.02	Operates power tools.	D1 Engine Systems and Repair Procedures
		E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
2.03	Operates/uses measuring devices.	D1 Engine Systems and Repair Procedures
2.04	Operates lifting and supporting equipment.	A2 Equipment Access / Transport and Related Procedures
2.05	Sets up and operates diagnostic and testing equipment.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
2.06	Sets up and operates staging equipment.	A2 Equipment Access / Transport and Related Procedures
Task 3 – Inspects and cleans vehicle components.		
3.01	Inspects vehicle operating systems and related components.	A3 Inspection Procedures – Truck and Bus
3.02	Cleans vehicle components for inspection purposes.	A3 Inspection Procedures – Truck and Bus
3.03	Interprets inspection results.	A3 Inspection Procedures – Truck and Bus
Task 4 – Conducts road tests.		
4.01	Determines type of road test required.	A3 Inspection Procedures – Truck and Bus
4.02	Selects road test diagnostic equipment.	A3 Inspection Procedures – Truck and Bus
4.03	Hooks-up road test diagnostic equipment.	A3 Inspection Procedures – Truck and Bus
4.04	Drives vehicle.	A3 Inspection Procedures – Truck and Bus
		E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
4.05	Interprets road test results.	A3 Inspection Procedures – Truck and Bus
Task 5 – Maintains vehicle.		
5.01	Replenishes fluids.	D1 Engine Systems and Repair Procedures
		E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives

NOA Subtask		Manitoba Unit(s)
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		F2 Steering Systems and Alignment
		G2 HVAC and MOPIA
		H1 Brake Fundamentals and Components
		H2 Hydraulic Accessories, Components and Circuits
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
5.02	Replaces filters.	D1 Engine Systems and Repair Procedures
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		F2 Steering Systems and Alignment
		H2 Hydraulic Accessories, Components and Circuits
		J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
5.03	Lubricates assemblies and components.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		F2 Steering Systems and Alignment
		H2 Hydraulic Accessories, Components and Circuits
		J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
5.04	Consults required documentation.	B1 Basic Computer Skills, Information Retrieval and Communications
Task 6 – Modifies length and height of frames.		
6.01	Cuts frames.	F3 Suspension Systems and Frames
6.02	Drills frames.	F3 Suspension Systems and Frames
6.03	Welds frames and components.	C1 Welding (Oxyacetylene) & Metallurgy
		C2 Welding (Electric/Arc/MIG)
		F3 Suspension Systems and Frames
6.04	Replaces components.	F3 Suspension Systems and Frames
Task 7 – Works on suspensions.		
7.01	Repairs suspensions.	F3 Suspension Systems and Frames
7.02	Modifies suspensions.	F3 Suspension Systems and Frames
7.03	Rebuilds suspensions.	F3 Suspension Systems and Frames
Task 8 – Works on hitches and couplers.		
8.01	Troubleshoots hitches and couplers.	G1 Cabs, Restraint Systems and Attached Equipment
8.02	Removes hitches and couplers.	G1 Cabs, Restraint Systems and Attached Equipment
8.03	Repairs hitches and couplers.	G1 Cabs, Restraint Systems and Attached Equipment
8.04	Installs hitches and couplers.	G1 Cabs, Restraint Systems and Attached Equipment
Task 9 – Works on air systems.		
9.01	Troubleshoots air systems.	H1 Brake Fundamentals and Components
9.02	Disassembles air systems.	H1 Brake Fundamentals and Components
9.03	Repairs air systems.	H1 Brake Fundamentals and Components
		H3 Air Brake Systems and Power Assist Units
9.04	Rebuilds air systems.	H1 Brake Fundamentals and Components
9.05	Installs air systems.	H3 Air Brake Systems and Power Assist Units
Task 10 – Works on braking systems.		
10.01	Troubleshoots braking systems.	H1 Brake Fundamentals and Components
		H3 Air Brake Systems and Power Assist Units

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		H4 ABS System Fundamentals and Traction Control
10.02	Disassembles and assembles braking systems.	H1 Brake Fundamentals and Components
		H3 Air Brake Systems and Power Assist Units
		H4 ABS System Fundamentals and Traction Control
10.03	Repairs braking systems.	H1 Brake Fundamentals and Components
		H3 Air Brake Systems and Power Assist Units
		H4 ABS System Fundamentals and Traction Control
10.04	Rebuilds braking systems.	H3 Air Brake Systems and Power Assist Units
Task 11 – Works on steering systems.		
11.01	Troubleshoots steering systems.	F2 Steering Systems and Alignment
11.02	Disassembles and reassembles steering systems.	F2 Steering Systems and Alignment
11.03	Repairs steering systems.	F2 Steering Systems and Alignment
11.04	Rebuilds steering system components.	F2 Steering Systems and Alignment
Task 12 – Works on tires, wheels, rims and hubs.		
12.01	Troubleshoots tires, wheels, rims and hubs.	F1 Tires and Wheel Assemblies
12.02	Removes tires, wheels, rims and hubs.	F1 Tires and Wheel Assemblies
12.03	Repairs tires, wheels, rims and hubs.	F1 Tires and Wheel Assemblies
12.04	Installs tires, wheels, rims and hubs.	F1 Tires and Wheel Assemblies
Task 13 – Works on electrical systems.		
13.01	Maintains batteries.	I1 Electrical Fundamentals
		I4 Charging Systems
13.02	Maintains belts.	
13.03	Maintains components and connections.	I2 Basic Electronic Components
Task 14 – Works on charging systems.		
14.01	Troubleshoots and tests charging systems and components.	I4 Charging Systems
14.02	Disassembles charging systems and components.	I4 Charging Systems
14.03	Repairs charging systems and components.	I4 Charging Systems
14.04	Reassembles charging systems and components.	I4 Charging Systems
Task 15 – Works on starting systems.		
15.01	Troubleshoots and tests starting systems and components.	I3 Starting Systems
15.02	Disassembles starting systems and components.	I3 Starting Systems
15.03	Repairs starting systems and components.	I3 Starting Systems
15.04	Reassembles starting systems and components.	I3 Starting Systems
Task 16 – Works on ignition systems.		
16.01	Troubleshoots and tests ignition systems and components.	I6 Spark Ignition Systems
16.02	Disassembles ignition systems and components.	I6 Spark Ignition Systems
16.03	Repairs ignition systems and components.	I6 Spark Ignition Systems
16.04	Reassembles ignition systems and components.	I6 Spark Ignition Systems

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Task 17 – Works on electrical conductors and connectors.		
17.01	Troubleshoots and tests electrical conductors.	I1 Electrical Fundamentals
		I2 Basic Electronic Components
		I5 Body Electrical and Lighting Systems
		I7 Electronic Controls Systems, Programming and Scan Tools
17.02	Disassembles electrical conductors.	I1 Electrical Fundamentals
		I2 Basic Electronic Components
		I5 Body Electrical and Lighting Systems
17.03	Repairs electrical conductors.	I1 Electrical Fundamentals
		I2 Basic Electronic Components
		I5 Body Electrical and Lighting Systems
17.04	Reassembles electrical conductors.	I1 Electrical Fundamentals
		I2 Basic Electronic Components
		I5 Body Electrical and Lighting Systems
Task 18 – Works on electronic components.		
18.01	Troubleshoots and tests electronic components.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
		I2 Basic Electronic Components
		I5 Body Electrical and Lighting Systems
		I7 Electronic Controls Systems, Programming and Scan Tools
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
18.02	Replaces electronic components.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
		I2 Basic Electronic Components
		I5 Body Electrical and Lighting Systems
		I7 Electronic Controls Systems, Programming and Scan Tools
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
Task 19 – Works on electrical and electronic accessories.		
19.01	Troubleshoots electrical and electronic accessories.	I5 Body Electrical and Lighting Systems
		I7 Electronic Controls Systems, Programming and Scan Tools
19.02	Disassembles electrical and electronic accessories.	I5 Body Electrical and Lighting Systems
19.03	Repairs electrical and electronic accessories.	I5 Body Electrical and Lighting Systems
19.04	Reassembles electrical and electronic accessories.	I5 Body Electrical and Lighting Systems
Task 20 – Works on HVAC (heating, ventilation, air conditioning) and refrigeration systems.		
20.01	Troubleshoots HVAC and refrigeration systems.	G2 HVAC and MOPIA
		G3 Trailer Fundamentals and Transport Refrigeration
20.02	Disassembles HVAC and refrigeration systems.	G2 HVAC and MOPIA
		G3 Trailer Fundamentals and Transport Refrigeration
20.03	Repairs HVAC and refrigeration systems.	G2 HVAC and MOPIA
		G3 Trailer Fundamentals and Transport Refrigeration
20.04	Installs HVAC and refrigeration systems.	G2 HVAC and MOPIA
		G3 Trailer Fundamentals and Transport Refrigeration
Task 21 – Works on trailer bodies.		
21.01	Troubleshoots trailer body components.	G3 Trailer Fundamentals and Transport Refrigeration
21.02	Removes trailer body components.	G3 Trailer Fundamentals and Transport Refrigeration

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21.03	Repairs trailer body components.	G3 Trailer Fundamentals and Transport Refrigeration
21.04	Installs trailer body mechanical components.	G3 Trailer Fundamentals and Transport Refrigeration
Task 22 – Works on cab body and trim.		
22.01	Removes cab body trim and components.	G1 Cabs, Restraint Systems and Attached Equipment
22.02	Repairs cab body and trim.	G1 Cabs, Restraint Systems and Attached Equipment
22.03	Installs cab body and trim.	G1 Cabs, Restraint Systems and Attached Equipment
Task 23 – Works on engines.		
23.01	Troubleshoots engine operation.	D1 Engine Systems and Repair Procedures D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
23.02	Disassembles engines.	D1 Engine Systems and Repair Procedures D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
23.03	Repairs engines.	D1 Engine Systems and Repair Procedures D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
23.04	Installs engines.	D1 Engine Systems and Repair Procedures
23.05	Rebuilds engine components.	D1 Engine Systems and Repair Procedures
Task 24 – Works on cooling systems.		
24.01	Troubleshoots cooling systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
24.02	Disassembles cooling systems.	D1 Engine Systems and Repair Procedures
24.03	Repairs cooling systems.	D1 Engine Systems and Repair Procedures
24.04	Installs cooling systems.	D1 Engine Systems and Repair Procedures
24.05	Rebuilds cooling system components.	D1 Engine Systems and Repair Procedures
Task 25 – Troubleshoots lubrication systems.		
25.01	Troubleshoots lubrication systems.	D1 Engine Systems and Repair Procedures
25.02	Disassembles lubrication systems.	D1 Engine Systems and Repair Procedures
25.03	Repairs lubrication systems.	D1 Engine Systems and Repair Procedures
25.04	Installs lubrication systems.	D1 Engine Systems and Repair Procedures
25.05	Rebuilds lubrication system components.	D1 Engine Systems and Repair Procedures
Task 26 – Works on fuel systems.		
26.01	Troubleshoots fuel systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
26.02	Disassembles fuel systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
26.03	Repairs fuel systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
26.04	Reassembles fuel systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
26.05	Rebuilds fuel system components.	J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems

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Task 27 – Works on intake, exhaust and emission systems.		
27.01	Troubleshoots intake, exhaust and emission systems.	J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
27.02	Disassembles intake, exhaust and emission systems.	J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
27.03	Repairs intake, exhaust and emission systems.	J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
		J2 Diesel Fuel Injection, Engine Management, and Exhaust Systems
27.04	Reassembles intake, exhaust and emission systems.	J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
27.05	Rebuilds intake, exhaust and emission system components.	J1 Fuel System Fundamentals, Gasoline Fuel Systems and Alternative Fuels
Task 28 – Works on auxiliary braking systems.		
28.01	Troubleshoots auxiliary braking systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
28.02	Disassembles auxiliary braking systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
28.03	Repairs auxiliary braking systems components.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
28.04	Rebuilds auxiliary braking systems.	D2 Engine Diagnosis, Startup, Tuneup and Engine Brakes
Task 29 – Works on clutches.		
29.01	Troubleshoots clutches.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
29.02	Removes clutches.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
29.03	Repairs clutches.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
29.04	Installs clutches.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
29.05	Rebuilds clutch components.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
Task 30 – Works on standard transmissions.		
30.01	Troubleshoots standard transmissions.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
30.02	Removes standard transmissions.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
30.03	Repairs standard transmissions.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
30.04	Installs standard transmissions.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
30.05	Rebuilds standard transmission components.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift

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Task 31 – Works on automatic transmissions.		
31.01	Troubleshoots automatic transmissions.	E3 Manual Transmissions: Multi Countershaft and Autoshift E4 Hydraulic Transmissions, Torque Converters and Related Components
31.02	Removes automatic transmissions.	E3 Manual Transmissions: Multi Countershaft and Autoshift E4 Hydraulic Transmissions, Torque Converters and Related Components
31.03	Repairs automatic transmissions.	E3 Manual Transmissions: Multi Countershaft and Autoshift E4 Hydraulic Transmissions, Torque Converters and Related Components
31.04	Installs automatic transmissions.	E3 Manual Transmissions: Multi Countershaft and Autoshift
31.05	Rebuilds automatic transmission components.	E3 Manual Transmissions: Multi Countershaft and Autoshift
Task 32 – Works on drive lines.		
32.01	Troubleshoots drive lines.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
32.02	Removes drive lines.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
32.03	Repairs drive lines.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
32.04	Installs drive lines.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
Task 33 – Works on differentials and transfer cases.		
33.01	Troubleshoots differentials and transfer cases.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives
33.02	Removes differentials and transfer cases.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives
33.03	Repairs differentials and transfer cases.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives
33.04	Installs differentials and transfer cases.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives
33.05	Rebuilds differential and transfer case components.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives
Task 34 – Works on accessories.		
34.01	Troubleshoots accessories.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives E3 Manual Transmissions: Multi Countershaft and Autoshift H2 Hydraulic Accessories, Components and Circuits H3 Air Brake Systems and Power Assist Units I1 Electrical Fundamentals
34.02	Removes accessories.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs E2 Differentials, Drive Axles and Final Drives E3 Manual Transmissions: Multi Countershaft and Autoshift H2 Hydraulic Accessories, Components and Circuits H3 Air Brake Systems and Power Assist Units I1 Electrical Fundamentals
34.03	Repairs accessories.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs

NOA Subtask		Manitoba Unit(s)
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		H2 Hydraulic Accessories, Components and Circuits
		H3 Air Brake Systems and Power Assist Units
		I1 Electrical Fundamentals
34.04	Installs accessories.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		H2 Hydraulic Accessories, Components and Circuits
		H3 Air Brake Systems and Power Assist Units
		I1 Electrical Fundamentals
34.05	Rebuilds accessory components.	E1 Standard Transmission Systems, Drivelines, Transfer Cases and PTOs
		E2 Differentials, Drive Axles and Final Drives
		E3 Manual Transmissions: Multi Countershaft and Autoshift
		H2 Hydraulic Accessories, Components and Circuits
		H3 Air Brake Systems and Power Assist Units
		I1 Electrical Fundamentals
Task 35 – Works on hydraulic systems.		
35.01	Troubleshoots hydraulic systems.	H2 Hydraulic Accessories, Components and Circuits
		H3 Air Brake Systems and Power Assist Units
35.02	Disassembles hydraulic systems.	H2 Hydraulic Accessories, Components and Circuits
		H3 Air Brake Systems and Power Assist Units
35.03	Repairs hydraulic systems.	H2 Hydraulic Accessories, Components and Circuits
		H3 Air Brake Systems and Power Assist Units
35.04	Installs hydraulic systems.	H3 Air Brake Systems and Power Assist Units