

**COMPETENCY ANALYSIS PROFILE
TRUCK AND COACH TECHNICIAN 310T**

(All unshaded skill sets must be demonstrated/completed)

SKILL SETS

SKILLS

OCCUPATIONAL HEALTH AND SAFETY PROCEDURES U5135.0	Identify potential workplace health and safety hazards 5135.01	Handle, store and dispose of hazardous materials 5135.02	Wear and maintain personal protective equipment 5135.03	Comply with workplace-related legislation 5135.04	Interpret and apply service-related information 5135.05
	Practice good housekeeping in workplace 5135.06	Comply with WHMIS guidelines 5135.07			
ELECTRICAL SYSTEMS - STARTING AND CHARGING U5136.0	Perform visual inspection 5136.01	Diagnose and troubleshoot starting systems and components 5136.02	Repair starting systems and components 5136.03	Verify and document repair of starting system and components 5136.04	Diagnose and troubleshoot charging systems and components 5136.05
	Repair charging system and components 5136.06	Verify and document repair of charging system and components 5136.07			
ELECTRICAL SYSTEMS - BODY ELECTRICAL U5137.0	Perform visual inspection 5137.01	Diagnose and troubleshoot body electrical systems and components 5137.02	Repair body electrical systems and components 5137.03	Verify and document repair of body electrical systems and components 5137.04	Repair system warning devices 5137.05
	Verify and document repair of system warning devices 5137.06	Diagnose and troubleshoot fire suppression systems and components 5137.07	Repair fire suppression systems and components 5137.08	Verify and document repair of fire suppression systems and components 5137.09	Repair coach destination signs 5137.10
	Verify and document repair of coach destination signs 5137.11	Diagnose and troubleshoot supplemental restraint systems (SRS) and components 5137.12	Repair supplemental restraint systems (SRS) and components 5137.13	Verify and document repair of supplemental restraint systems (SRS) & components 5137.14	

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FUEL SYSTEMS	Perform visual inspection	Diagnose and troubleshoot fuel systems and components	Repair fuel systems and components	Verify and document repair of fuel systems and components	
U5138.0	5138.01	5138.02	5138.03	5138.04	
ENGINE SYSTEMS	Perform visual inspection	Diagnose and troubleshoot cooling systems and components	Repair cooling systems and components	Verify and document repair of cooling systems and components	Diagnose and troubleshoot engine lubricating systems and components
U5139.0	5139.01	5139.02	5139.03	5139.04	5139.05
	Repair engine lubricating systems and components	Verify and document repair of engine lubricating systems and components	Diagnose and troubleshoot cylinder head and components	Repair cylinder heads and components	Verify and document repair of cylinder head and components
	5139.06	5139.07	5139.08	5139.09	5139.10
	Diagnose and troubleshoot engine block and components	Repair engine block and components	Verify and document repair of engine block and components	Diagnose and troubleshoot auxiliary coolers and components	Repair auxiliary coolers and components
	5139.11	5139.12	5139.13	5139.14	5139.15
	Verify and document repair of auxiliary coolers and components				
	5139.16				

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ENGINE MANAGEMENT SYSTEMS U5140.0	Perform visual inspection	Diagnose and troubleshoot fuel control systems and components	Repair fuel control systems and components	Verify and document repair of fuel control systems and components	Diagnose and troubleshoot electronic ignition systems and components
	5140.01	5140.02	5140.03	5140.04	5140.05
	Repair electronic ignition systems and components	Verify and document repair of electronic ignition systems and components	Diagnose and troubleshoot electronically-controlled engine systems and components	Repair electronically-controlled engine systems and components	Verify and document repair of electronically-controlled engine systems and components
	5140.06	5140.07	5140.08	5140.09	5140.10
	Perform engine tune-ups				
	5140.11				
EXHAUST, INTAKE, AND EMISSION CONTROL SYSTEMS U5141.0	Perform visual inspection	Diagnose and troubleshoot exhaust, intake, and emission control systems and components	Repair exhaust, intake, and emission control systems and components	Verify and document repair of exhaust, intake, and emission control systems and components	Diagnose and troubleshoot turbocharger systems and components
	5141.01	5141.02	5141.03	5141.04	5141.05
	Repair/Replace turbocharger systems and components	Verify and document repair of turbocharger systems and components			
	5141.06	5141.07			
TRANSMISSION SYSTEMS U5142.0	Perform visual inspection	Diagnose and troubleshoot clutch systems and components	Repair/Replace clutch systems and components	Verify and document repair of clutch systems and components	Diagnose and troubleshoot manual systems and components
	5142.01	5142.02	5142.03	5142.04	5142.05
	Repair manual systems and components	Verify and document repair of manual transmissions and components	Diagnose and troubleshoot automatic/automated transmission systems and components	Repair/Replace automatic/automated transmission systems and components	Verify and document repair of automatic/automated transmission systems and components
	5142.06	5142.07	5142.08	5142.09	5142.10

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DRIVE SHAFTS AND DRIVE AXLE ASSEMBLIES	Perform visual inspection	Diagnose and troubleshoot drive shafts, drive axle assemblies and components	Repair/Replace drive shafts, drive axle assemblies and components	Verify and document repair of drive shafts, drive axle assemblies and components	
U5143.0	5143.01	5143.02	5143.03	5143.04	
FRAMES AND HITCHING-COUPLING SYSTEMS	Perform visual inspection	Diagnose and troubleshoot frames, hitching systems, and components	Repair frames and hitching systems and components	Verify and document repair of frames, hitching systems and components	
U5144.0	5144.01	5144.02	5144.03	5144.04	
BODY AND TRIM	Perform visual inspection	Diagnose and troubleshoot body and/or trim	Repair body and/or trim	Verify and document repair of body and/or trim	
U5145.0	5145.01	5145.02	5145.03	5145.04	
SUSPENSION SYSTEMS	Perform visual inspection	Diagnose and troubleshoot suspension systems and components	Repair suspension system and components	Verify and document repair of suspension systems and components	
U5146.0	5146.01	5146.02	5146.03	5146.04	
STEERING SYSTEMS	Perform visual inspection	Diagnose and troubleshoot steering systems and components	Repair/Replace steering systems and components	Verify and document repair of steering system and components	Align steering and axles
U5147.0	5147.01	5147.02	5147.03	5147.04	5147.05
TIRES, WHEELS, RIMS, AND HUBS	Perform visual inspection	Diagnose and troubleshoot tires, wheels, rims, hubs, and components	Repair tires, wheels, rims, hubs and components	Verify and document repair of tires, wheels, rims, hubs and components	
U5148.0	5148.01	5148.02	5148.03	5148.04	
AIR SUPPLY SYSTEM	Perform visual inspection	Diagnose and troubleshoot air supply systems and components	Repair/Replace air supply system and components	Verify and document repair of air supply system and components	Diagnose and troubleshoot auxiliary air components
U5149.0	5149.01	5149.02	5149.03	5149.04	5149.05

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	Repair/replace auxiliary air components 5149.06	Verify and document repair of auxiliary air components 5149.07			
BRAKING SYSTEMS U5150.0	Perform visual inspection 5150.01	Diagnose and troubleshoot brake system (air or hydraulic) 5150.02	Repair brake system (air or hydraulic) 5150.03	Verify and document repair of brake system (air or hydraulic) 5150.04	Resurface brake drums, lines and rotors 5150.05
HEATING, VENTILATION, AIR CONDITIONING (HVAC) & REFRIGERATION SYSTEMS U5151.0	Perform visual inspection 5151.01	Diagnose and troubleshoot HVAC systems and components 5151.02	Repair HVAC systems and components 5151.03	Verify and document repair of HVAC systems and components 5151.04	Diagnose and troubleshoot refrigeration systems and components 5151.05
	Repair refrigeration systems and components 5151.06	Verify and document repair of refrigeration systems and components 5151.07			
HYDRAULIC SYSTEMS U5152.0	Perform visual inspection 5152.01	Diagnose and troubleshoot hydraulic systems and components 5152.02	Repair hydraulic systems and components 5152.03	Verify and document repair of hydraulic systems and components 5152.04	