



AUBURN • CHARLTON • DUDLEY • NORTH BROOKFIELD • OXFORD • PAXTON
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Southern Worcester County Regional Vocational School District
BAY PATH REGIONAL VOCATIONAL TECHNICAL HIGH SCHOOL
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 Curriculum Coordinator

VT.VAUTO.2.V.02	S:Antilock Brake System	Depressurize high-pressure components of the antilock brake systems (ABS).
VT.VAUTO.2.Z.01	S:Antilock Brake System	Bleed the antilock brake system (ABS) front and rear hydraulic circuits.
VT.VAUTO.2.Z.01.01	T:General Electrical Systems	Research and identify electrical system concern; determine necessary action.
VT.VAUTO.2.Z.01.02	T:General Electrical Systems	Research applicable vehicle and service information, such as electrical/electronic system operation, vehicle service history, service precautions and technical service bulletins.
VT.VAUTO.2.Z.01.03	T:General Electrical Systems	Identify electrical integrity for series, parallel and series-parallel circuits using principles of electricity (Ohm's Law).
VT.VAUTO.2.Z.01.04	T:General Electrical Systems	Use wiring diagrams during diagnosis of electrical circuit problems.
VT.VAUTO.2.Z.02	T:General Electrical Systems	Perform basic diagnostic tests to electrical circuits.
VT.VAUTO.2.Z.02.01	T:General Electrical Systems	Check electrical circuits with a test light; determine necessary action.
VT.VAUTO.2.Z.02.02	T:General Electrical Systems	Measure source voltage and perform voltage drop tests in electrical circuits using the voltmeter scale on a digital multimeter (DMM); determine necessary action.
VT.VAUTO.2.Z.02.03	T:General Electrical Systems	Measure current flow in electrical circuits and components using the ammeter scale on a DMM; determine necessary action.
VT.VAUTO.2.Z.02.04	T:General Electrical Systems	Check continuity and measure resistance in electrical circuits and components using an ohmmeter scale on a DMM; determine necessary action.
VT.VAUTO.2.Z.02.05	T:General Electrical Systems	Check electrical circuits using fused jumper wires; determine necessary action.
VT.VAUTO.2.Z.02.06	T:General Electrical Systems	Locate shorts, grounds, opens and resistance problems in electrical; determine necessary action.
VT.VAUTO.2.Z.02.07	T:General Electrical Systems	Measure and identify the possible cause(s) of excessive key-off battery drain (parasitic draw).
VT.VAUTO.2.Z.02.08	T:General Electrical Systems	Repair common electrical circuits.
VT.VAUTO.2.Z.02.09	T:General Electrical Systems	Inspect and test fusible links, circuit breakers and fuses; determine necessary action.
VT.VAUTO.2.Z.02.10	T:General Electrical Systems	Inspect wiring harnesses and connectors; determine necessary action.
VT.VAUTO.2.Z.03	T:General Electrical Systems	Perform solder repair of electrical wiring.
VT.VAUTO.2.Z.03.01	T:General Electrical Systems	Inspect and test switches, connectors, relays, devices and wires of electrical circuits; perform necessary action.
VT.VAUTO.2.Z.03.02	U:Automotive Batteries	Identify, maintain and service the various types of commonly used automotive batteries.
VT.VAUTO.2.Z.03.03	U:Automotive Batteries	Perform battery state-of-charge test; determine necessary action.
VT.VAUTO.2.Z.03.04	U:Automotive Batteries	Perform battery capacity test; confirm proper battery capacity for vehicle application; determine necessary action.
VT.VAUTO.2.AA.01	U:Automotive Batteries	Maintain or restore electronic memory functions.
VT.VAUTO.2.AA.01.01	U:Automotive Batteries	Inspect, clean, fill and replace battery.
VT.VAUTO.2.AA.01.02	U:Automotive Batteries	Perform slow/fast battery charge.
VT.VAUTO.2.AA.01.03	U:Automotive Batteries	Inspect and clean battery cables, connectors, clamps and hold-downs; repair or replace as needed.
VT.VAUTO.2.AA.01.04	U:Automotive Batteries	Start a vehicle using jumper cables and a battery or auxiliary power supply.
VT.VAUTO.2.AA.01.05	V:Automotive Starting System	Diagnose and repair starting systems.
VT.VAUTO.2.AA.02	V:Automotive Starting System	Perform starter current draw tests; determine necessary action.
VT.VAUTO.2.AA.02.01	V:Automotive Starting System	Perform starter circuit voltage drop tests; determine necessary action.
VT.VAUTO.2.CC.01	V:Automotive Starting System	Inspect and test starter relays and solenoids; determine necessary action.
VT.VAUTO.2.CC.01.01	V:Automotive Starting System	Remove and install starter in a vehicle.
VT.VAUTO.2.CC.01.02	V:Automotive Starting System	Inspect and test switches, connectors and wires of starter control circuits; perform necessary action.
VT.VAUTO.2.CC.02	V:Automotive Starting System	Differentiate between electrical and engine mechanical problems that cause a slow-crank or no-crank condition.
VT.VAUTO.2.CC.02.01	W:Automotive Charging System	Diagnose and repair charging systems.
VT.VAUTO.2.CC.02.02	W:Automotive Charging System	Perform charging system output test; determine necessary action.
VT.VAUTO.2.CC.02.03	W:Automotive Charging System	Diagnose charging system for the cause of undercharge, no-charge and overcharge conditions.
VT.VAUTO.2.CC.03.01	W:Automotive Charging System	Inspect, adjust or replace generator (alternator) drive belts, pulleys and tensioners; check pulley and belt alignment.
VT.VAUTO.2.CC.03.02	W:Automotive Charging System	Remove, inspect and install generator (alternator).
VT.VAUTO.2.CC.03.03	W:Automotive Charging System	Perform charging circuit voltage drop tests; determine necessary action.
VT.VAUTO.2.CC.04	X:Electrical Accessories	Diagnose and repair lighting systems.
VT.VAUTO.2.CC.04.01	X:Electrical Accessories	Diagnose the cause of brighter than normal, intermittent, dim, or no light operation; determine necessary action.
VT.VAUTO.2.CC.04.02	X:Electrical Accessories	Inspect, replace and aim headlights and bulbs.
VT.VAUTO.2.CC.04.03	X:Electrical Accessories	Inspect and diagnose incorrect turn signal or hazard light operation; perform necessary action.
VT.VAUTO.2.CC.04.04	X:Electrical Accessories	Diagnose and repair gauges, warning devices and driver information systems.
VT.VAUTO.2.CC.04.05	X:Electrical Accessories	Diagnose the cause of incorrect operation of warning devices and other driver information systems; determine necessary action.
VT.VAUTO.2.CC.05	X:Electrical Accessories	Inspect and test sensors, connectors and wires of electronic instrument circuits; determine necessary action.
VT.VAUTO.2.CC.05.01	X:Electrical Accessories	Diagnose and repair horn and wiper/washer systems.
VT.VAUTO.2.CC.05.02	X:Electrical Accessories	Diagnose incorrect horn operation; perform necessary action.