



2024-2025

Technical Skills Assessment

Automotive Maintenance and Light Repair

Results by Standard

Legend (%)		
0-50%	51-75%	76-100%

Assessment: Automotive Maintenance and Light Repair	% Correct 24-25
Number tested: 327	
CONTENT STANDARD 2.0: SAFETY PROCEDURES FOR LAB AND TOOLS	81.61%
Performance Standard 2.1: General Lab Safety Rules and Procedures	88.01%
2.1.1 Identify and use proper placement of floor jacks and jack stands.	92.88%
2.1.2 Identify and use proper procedures for safe vehicle lift operation.	86.17%
2.1.8 Comply with the required personal protective equipment (PPE) requirements (e.g., safety glasses, ear protection, gloves, shoes).	93.58%
2.1.9 Secure hair and jewelry for lab/shop activities.	93.76%
2.1.10 Identify safety aspects of supplemental restraint systems (SRS), electronic brake control systems, and hybrid vehicle high voltage circuits (e.g., high intensity discharge (HID) lamps, ignition systems, injection systems).	67.74%
Performance Standard 2.2: Tool and Equipment Identification and Use	72.88%
2.2.1 Identify tools and equipment and their appropriate uses in automotive maintenance and repair.	74.49%
2.2.2 Identify standard and metric fasteners.	58.45%
2.2.4 Demonstrate the safe handling and appropriate use of tools and equipment.	86.10%
CONTENT STANDARD 3.0: BASIC VEHICLE SERVICE	84.43%
Performance Standard 3.1: Vehicle Service Information	84.43%
3.1.1 Reference vehicle service information, such as fluid type, vehicle service history when available, service precautions, technical service bulletins, and recalls, including for vehicles equipped with advanced driver assistance systems (ADAS).	78.91%
3.1.2 Retrieve and record diagnostic trouble codes (DTC), onboard diagnostics (OBD) monitor status, and freeze frame data, and clear codes and data when directed.	82.89%
3.1.3 Locate the vehicle identification number (VIN) and production data code.	89.39%
3.1.6 Reset maintenance notifications/reminders after services are completed.	90.78%
3.1.7 Verify and interpret vehicle warning indicators (e.g., messages, lights).	82.12%

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3.1.8 Identify policy requirements for return of a vehicle to customer (e.g., floor mats, steering wheel cover).	89.53%
CONTENT STANDARD 4.0: ENGINE REPAIR	81.42%
Performance Standard 4.1: General Engine Service	77.49%
4.1.1 Inspect engine assembly for fuel, oil, coolant, and other leaks.	85.68%
4.1.2 Install engine covers, using vehicle-specific gaskets, seals, and sealers as required.	80.38%
4.1.3 Describe the function of the timing belt/chain.	55.31%
Performance Standard 4.2: Lubrication and Cooling Systems	87.99%
4.2.1 Identify lubrication and cooling system components and configurations.	85.47%
4.2.12 Perform oil and filter change.	89.25%
CONTENT STANDARD 5.0: AUTOMATIC TRANSMISSION/TRANSAXLE	77.51%
Performance Standard 5.1: General Transmission/Transaxle	79.47%
5.1.3 Check transmission fluid condition.	79.47%
Performance Standard 5.2: In-Vehicle Transmission/Transaxle	76.54%
5.2.3 Drain and replace fluid and filter(s).	76.54%
CONTENT STANDARD 6.0: MANUAL DRIVE TRAIN AND AXELS	67.82%
Performance Standard 6.1: General Drive Train	78.91%
6.1.1 Check fluid condition and for leaks.	78.91%
Performance Standard 6.3: Drive Shaft and Half Shaft, Universal and Constant Velocity (CV) Joint	41.06%
6.3.3 Check for leaks at drive assembly and transfer case seals; check vents; check fluid level.	41.06%
Performance Standard 6.4: Differential Case Assembly	73.95%
6.4.2 Check and adjust differential housing fluid level.	75.84%
6.4.3 Drain and fill differential housing, per manufacturer specification.	72.07%
Performance Standard 6.6: Four-Wheel Drive/All-Wheel Drive	57.82%
6.6.2 Check transfer case/four-wheel drive fluid levels.	57.82%
CONTENT STANDARD 7.0: SUSPENSION AND STEERING SERVICE AND REPAIR	73.84%
Performance Standard 7.3: Wheel and Tire	73.25%
7.3.2 Measure tread depth, using tread-depth tool.	80.73%
7.3.4 Rotate tires, including using tire pressure monitoring system (TPMS) relearn procedure, according to manufacturer's recommendations.	65.78%
Performance Standard 7.4: Related Suspension and Steering	74.30%
7.4.2 Inspect power steering fluid level and condition.	74.30%
CONTENT STANDARD 8.0: BRAKE SYSTEMS	76.45%
Performance Standard 8.1: General Brake Systems	86.78%

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8.1.1 Identify brake system components and configuration.	79.19%
8.1.2 Describe procedure for performing a road test to check brake system operation, including the anti-lock brake system (ABS).	87.71%
8.1.4 Install wheel and torque lug nuts.	91.53%
Performance Standard 8.2: Hydraulic System	63.83%
8.2.4 Select, handle, store, and fill brake fluids to proper level.	63.83%
Performance Standard 8.3: Drum Brakes	55.03%
8.3.4 Inspect wheel cylinders for leaks and proper operation; remove and replace as needed.	55.03%
Performance Standard 8.6: Miscellaneous Brakes Systems	61.17%
8.6.4 Check operation of the external brake light system.	61.17%
CONTENT STANDARD 9.0: ELECTRICAL/ELECTRONIC SYSTEM	54.89%
Performance Standard 9.1: General Electronic Systems Service	69.41%
9.1.9 Inspect and test fusible links, circuit breakers, and fuses.	69.41%
Performance Standard 9.2: Battery Service	29.33%
9.2.6 Jump-start a vehicle, using jumper cables and a booster battery or an auxiliary power supply.	29.33%
Performance Standard 9.4: Charging System	51.40%
9.4.1 Perform charging system output test.	51.40%
CONTENT STANDARD 11.0: ENGINE PERFORMANCE	73.32%
Performance Standard 11.1: Ignition System	84.08%
11.1.2 Remove and replace spark plugs, inspecting secondary ignition components for wear and damage.	84.08%
Performance Standard 11.3: Fuel, Air Induction, and Exhaust Systems	61.17%
11.3.3 Inspect, service, or replace air filters, filter housing, and intake duct-work.	61.17%
Performance Standard 11.4: Emissions Control Systems	86.87%
11.4.3 Describe the process for checking and filling diesel exhaust fluid (DEF).	86.87%