



# Automotive Maintenance and Light Repair



<b>Date</b>	February 7, 2026	<b>Orientation Time</b>	7:30 a.m. (CLOSED to instructors)
<b>Location</b>	Sinclair Community College 220 S Edwin C Moses Blvd Dayton, OH 45402	<b>Contest Time</b>	Immediately following orientation (CLOSED contest)
<b>Scope of Contest</b>	<ul style="list-style-type: none"><li>The competition will include a series of workstations. Workstations may consist of a vehicle and/or simulators, components, service publications, and/or identification.</li><li>A variety of vehicles sold in the United States will be used in the competition. This could include both domestic and imported vehicles.</li><li>Safety, quality, ability to follow instructions and procedures, accuracy (in comparison with factory specifications), workmanship, and other skills representative of the trades identified by industry leaders will be judged.</li><li>A total of eight to ten stations will be assigned. Each station must be broken down into specific task criteria and separate steps based on the task. For example: <b>Station No. 1 Wire test and repair segments</b><ul style="list-style-type: none"><li>Identify faulty circuit = x points</li><li>Repair condition = x points</li><li>Assemble/retest = x points</li><li>Resistor board tests = x points</li><li>Compare values to specs = x points</li><li>Workmanship = x points</li><li>Safety practices = x points</li></ul></li><li>Time limits will be assigned for each task, but no bonus points will be awarded for early completion.</li></ul> <p><u>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</u></p> <ul style="list-style-type: none"><li>No smart watches, cellphones and/or other electronic devices in the contest area unless specifically stated in this document. These devices cannot be used as a calculator.</li><li>No contact with anyone outside of the contest area once the contest begins.</li><li>No inappropriate communication between contestants such as verbally degrading another contestant or informing another contestant of the skills/test prior to or during the competition.</li><li>No cheating on any portion of the contest.</li><li>The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant.</li></ul>		
<b>Testing</b>	Yes - the written exam will be from ASE Auto Maintenance and Light Repair (G1) content.		
<b>Eligibility</b>	2 competitors per building IRN (Chapter)		
<b>Clothing</b>	Clothing Classification Guide: CLASS D		
<b>Provided by Contestant</b>	<ul style="list-style-type: none"><li>Professional Resumé – Typed Hardcopy</li><li>Emergency Medical Form (Contestants must have this to compete)</li></ul>		

	<ul style="list-style-type: none"> <li>• Safety Glasses</li> <li>• #2 Pencils</li> <li>• Digital Multi-Meter</li> <li>• Safety equipment (glasses and hard soled shoes)</li> <li>• Scan Tool -- Scan Tool – Sinclair will provide Scan Tools; competitors are able to bring their own if they would like.</li> </ul> <p><u>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</u></p> <ul style="list-style-type: none"> <li>○ No smart watches, cellphones and/or other electronic devices in the contest area unless specifically stated in this document. These devices cannot be used as a calculator.</li> <li>○ No contact with anyone outside of the contest area once the contest begins.</li> <li>○ No inappropriate communication between contestants such as verbally degrading another contestant or informing another contestant of the skills/test prior to or during the competition.</li> <li>○ No cheating on any portion of the contest.</li> <li>○ The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant.</li> </ul>	
<b>Contest Standards</b>	<p><b>Contest Skilled Performance Standards</b></p> <p><b>MLR 2.0</b> — Perform vehicle engine performance diagnosis and testing to related tasks in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards</p> <p><b>MLR 3.0</b> — Perform vehicle body electrical testing to related tasks identified in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards — Electrical/Electronic Systems section of the ASE MLR (G1) Test Task List</p> <p><b>MLR 4.0</b> — Demonstrate application of environment, health and safety knowledge in auto service situations to related OSHA 1910 and EPA standards.</p> <p><b>MLR 5.0</b> — Complete a mock job interview for maintenance and light repair related position</p> <p><b>MLR 6.0</b> — Perform suspension and steering related tasks identified in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards —</p>	<p><b>Aligned ODEW Transportation Career Field Technical Content Standard Outcomes</b></p> <p><b>Outcome 12.2</b> Vehicle Inspection and Diagnosis</p> <p><b>Outcome 3.3</b> Ignition System</p> <p><b>Outcome 4.5</b> Electrical and Electronic Systems</p>

	<p>Suspension and Steering section of the ASE MLR (G1) Test Task List</p> <p><b>MLR 8.0</b> — Perform brake inspection and service for the related tasks identified in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards— Brake Systems section of the ASE MLR (G1) Test Task List</p> <p><b>MLR 10.0</b> — Perform engine inspection and maintenance to related tasks identified in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards— MLR Engine Systems section of the ASE MLR (G1) Test Task List</p> <p><b>MLR 11.0</b> — Use electrical service information resources</p> <p><b>MLR 12.0</b> — Vehicle lifting and support</p>	<p><b>Outcome 4.2</b> Drum and Disc <b>Outcome 4.4</b> Antilock Brakes</p> <p><b>Outcome 3.1</b> Engine Cylinder Head and Block Assemblies</p> <p><b>Above Outcomes can be found in the following ODEW courses:</b>  177001 Ground Transportation: Engine and Powertrain  177002 Ground Transportation Electrical/Electronics  177009 Collision Electrical and Mechanical Systems  177031 Automotive Braking Systems</p>
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