



Automotive Maintenance and Light Repair



Date	Friday, March 13, 2025	Orientation Time	8:00 a.m. (CLOSED to instructors)
Location	C-TEC of Licking County 150 Price Road Newark, OH 43055	Contest Time	Immediately following orientation (CLOSED contest)
Scope of Contest		<ul style="list-style-type: none">The competition will include a series of workstations. Workstations may consist of a vehicle and/or simulators, components, service publications (All Data or Mitchell ProDemand) and/or identification.A variety of vehicles sold in the United States will be used in the competition. This could include both domestic and imported vehicles.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.A total of six to eight stations will be assigned. Each station must be broken down into specific task criteria and separate steps based on the task. For example: Station No. 1 Wire test and repair segments<ul style="list-style-type: none">Identify faulty circuit = x pointsRepair condition = x pointsAssemble/retest = x pointsResistor board tests = x pointsCompare values to specs = x pointsWorkmanship = x pointsSafety practices = x pointsTime limits will be assigned for each task, but no bonus points will be awarded for early completion.	
<i>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</i>			<ul style="list-style-type: none">No cellphones in the contest area.No contact with anyone outside of the contest area once the contest begins.No inappropriate communication between contestants such as verbally degrading another contestant.No cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.
Testing	Yes - the written exam will be from ASE Auto Maintenance and Light Repair (G1) content.		
Eligibility	2 competitors per building IRN (Chapter)		
Clothing	Clothing Classification Guide: CLASS D		
Provided by Contestant	<ul style="list-style-type: none">Professional Resumé – Typed HardcopyEmergency Medical Form (Contestants must have this to compete)Safety glasses with side shields or goggles (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)#2 PencilsDigital Multi-Meter		

	<ul style="list-style-type: none"> • Safety equipment (Nonskid, safety toe work boots or shoes.) • Scan Tool -- Contestants MUST use their own scan-tool. It should be updated to 2023 and be capable of communicating with a Domestic or Asian vehicle. NOTE: A global OBD2 scan tool may not provide all the information or perform the functional tests as required." 	
Contest Standards	<p>Contest Skilled Performance Standards</p> <p>MLR 1.0 — Perform vehicle HVAC system inspection and maintenance to related tasks in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards — Heating and Air Conditioning section of the ASE MLR (G1) Test Task List</p> <p>MLR 2.0 — Perform vehicle engine performance diagnosis and testing to related tasks in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards</p> <p>MLR 3.0 — 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>MLR 5.0 — Complete a mock job interview for maintenance and light repair related position</p> <p>MLR 6.0 — Perform suspension and steering related tasks identified in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards — Suspension and Steering section of the ASE MLR (G1) Test Task List</p> <p>MLR 7.0 — Perform manual drive train service, testing and diagnosis to related tasks identified in the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards— Manual Drive Train and Axles section of the ASE MLR (G1) Test Task List</p> <p>MLR 8.0 — Perform brake inspection and service for the related tasks identified in</p>	<p>Aligned ODEW Transportation Career Field Technical Content Standard Outcomes</p> <p>Outcome 12.2 Vehicle Inspection and Diagnosis</p> <p>Outcome 3.3 Ignition System</p> <p>Outcome 4.5 Electrical and Electronic Systems</p> <p>Outcome 4.2 Drum and Disc</p> <p>Outcome 4.4 Antilock Brakes</p> <p>Outcome 3.1 Engine Cylinder Head and Block Assemblies</p> <p>Above Outcomes can be found in the following ODEW courses:</p> <p>177001 Ground Transportation: Engine and Powertrain</p> <p>177002 Ground Transportation Electrical/Electronics</p> <p>177009 Collision Electrical and Mechanical Systems</p> <p>177031 Automotive Braking Systems</p>

	<p>the ASE Education Foundation Maintenance and Light Repair (MLR) Program Standards— Brake Systems section of the ASE MLR (G1) Test Task List</p> <p>MLR 10.0 — 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>MLR 11.0 — Use electrical service information resources</p> <p>MLR 12.0 — Vehicle lifting and support</p>	
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