



Automotive Service Technology



Date	January 25, 2025 SNOW DATE: February 1, 2025	Orientation Time	8:30 AM (CLOSED to instructors)
Location	Sinclair Community College 220 S Edwin C Moses Blvd Dayton, OH 45402	Contest Time	Immediately following orientation (OPEN contest)
Scope of Contest	<p>The competition will include a series of workstations. Workstations may consist of a vehicle and/or simulators, components, service publications, and/or identification:</p> <ul style="list-style-type: none"> • 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 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: <ul style="list-style-type: none"> Station No. 1 Wire test and repair segments Identify faulty circuit = x points Repair condition = x points Assemble/retest = x points Resistor board tests = x points Compare values to specs = x points Workmanship = x points Safety practices = x points • Time limits will be assigned for each task, but no bonus points will be awarded for early completion. 		
Testing	Yes		
Eligibility	2 competitors per building IRN (Chapter)		
Clothing	Clothing Classification Guide – CLASS D		
Provided by Contestant	<ul style="list-style-type: none"> • Professional Resume – must be typed and physically produced as a hard copy • Emergency Medical Form is required to be on the contestant at all times during the competition and presented at the beginning of the contest. • Tools Provided-Tools will be provided to perform tasks associated with the contest. • All Data Service Information • Tools Required (Provided by the Contestant): <ul style="list-style-type: none"> ✓ Two # 2 pencils ✓ Digital Multimeter (DMM) ✓ OBD II Scan Tool (Backup will be provided if needed) 		
Contest Standards	Contest Skilled Performance Standards	Aligned ODEW Transportation Career Field Technical Content Standard Outcomes	

	<p>AST 2.0 - Perform vehicle engine performance diagnosis and testing to related tasks in the ASE Education Foundation Automobile Program Standards – Automobile Engine Performance Task List (ASE Test A8)</p> <p>AST 6.0 - Perform electronic circuit diagnosis, testing and wire repair to related tasks identified in the ASE Education Foundation Automobile Program Standards – Automobile Electrical/Electronic Systems Task List (ASE Test A6)</p> <p>AST 9.0 - Perform brake service, testing and diagnosis to related tasks identified in the ASE Education Foundation Automobile Program Standards – Automobile Brakes Task List (ASE Test A5)</p> <p>AST 11.0 - Perform engine measuring, inspecting, service and diagnosis on the head or block of an engine to related tasks identified in the ASE Education Foundation Automobile Program Standards – Automobile Engine Repair Task List (ASE Test A1)</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>
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