




# SkillsUSA® Contest Scope

<b>Contest:</b>	<b>Automotive Service Technology</b>
<b>Contest Chair: Email:</b>	Zak Yankowski Zyankowski@rmctc.org
<b>Contest Location:</b> 	Reading Muhlenberg CTC 2615 Warren Rd. Reading, PA 19604 Phone: 610-921-7300
<b>Purpose:</b>	To evaluate each contestant's preparation for employment in the Automotive Service Industry. To recognize outstanding students for excellence and professionalism in the field of Automotive Service.
<b>Clothing:</b>	Contest appropriate clothing. Students will not be penalized for clothing unless it is a safety violation.

## EQUIPMENT AND MATERIALS:

<b>Provided by the Host School:</b>	D-TAC Elite battery charging, starter tester. Hunter wheel alignment system, MAXIMUS 3.0, Fluke DVOM, Hunter tire machine, Hunter Wheel balancer, all data service information, all hand tools, all measuring tools, shop rags, written exam.
<b>Provided by the Contestant:</b>	Nothing is needed.

## SCOPE OF CONTEST:

<b>Competitors may be required to test their skills in the following areas:</b>	<ol style="list-style-type: none"> <li>The contest will include a several work stations. Workstations consist of a vehicles and/or simulators, components and service publications. Safety, quality, ability to follow instructions and procedures, accuracy, workmanship, and other skills representative of the trades identified by industry leaders will be judged. Contestants will demonstrate their ability to perform jobs or skills selected from the standards listed below. A written exam will be used as a tiebreaker. <ul style="list-style-type: none"> <li><b>Perform scan tool diagnosis and testing:</b> Use a provided factory scan tool for the current model vehicle Read DTC with scan tool Read data with scan tool Perform actuator test with scan tool Use factory service information provided Identify correct test procedures</li> <li><b>Automotive parts identification:</b> Identify an assortment of common automotive components</li> <li><b>Perform Tire and Wheel Service according to automotive industry standards:</b> Identify tire and</li> </ul> </li> </ol>
---	---

	<p>wheel components, Dismount tire, Inspect wheel and tire, Identify tire balance problems Correct tire balance problems, Inflate tire to specifications, Measure wheel and tire assembly.</p> <ul style="list-style-type: none"> <li>- <b>Perform Electrical Circuit Diagnosis:</b> Identify connector pin-outs Identify component locations Use wiring schematics Use provided test equipment Use a DVOM or DMM.</li> <li>- <b>Perform Brake Service Measurements:</b> Using the proper tools and information the competitors will perform several brake measurements related to brake service procedures.</li> </ul>
--	---

**ADDITIONAL INFORMATION:**

<p><b>Anything else competitors may need to know:</b></p>	<ul style="list-style-type: none"> <li>• <u>Students will not be permitted to use the Internet or printed materials for reference.</u></li> </ul>
---	---