



## *Maintenance and Light Repair, Automobile*

## Career Competition

**Career Cluster:** Transportation, Distribution and Logistics

**State Qualifying Exam:** No

**National Contest:** Yes

**Participation:** Individual

### Competition Description

Competitors demonstrate their ability to perform jobs and skills based on the task list outlined by the National Institute for Automotive Service Excellence and the National Automotive Technicians Education Foundation.

### Tasks To Be Evaluated

1. Basic electrical circuit be able to wire a basic series circuit and parallel circuit and use a multimeter to make measurements. A understanding of ohms law.
2. Be able to use a scanner to retrieve data from a vehicle.
3. Be able to do a safety inspection on a vehicle and retrieve data off of the vehicle
4. Basic alignment
5. On car brake lathe be able to cut a rotor and measure it
6. Alldata look up car info
7. Measurements be able to use a ruler, micrometer, dial indicator, feeler gauge, torque wrench and other measuring tools.
8. ASE type written test
9. Components I.D. various auto parts
10. Lighting circuit boards reading wiring diagram and measurements
11. MSDS sheets and safety test

### Provided by Competitor

- Multimeter CAT III equivalent
- Competitors will need to create a one-page resume

### Provided by Technical Committee

- All tools needed for competition



## Career Competition

### Clothing Requirement

#### National Requirement:

**Class D:** Competition Specific: Blue Attire

- Official SkillsUSA light blue work shirt
- Navy pants
- Black, brown, or tan leather work safety shoes (with protective toe cap).

#### State Requirement:

National Requirement OR

- Light blue work shirt
- Work pants of any kind are acceptable dress (no jeans)
- Black, brown, or tan leather work safety shoes (with protective toe cap).
- Any embroidered names or school patches must be covered if applicable.