



AUTO MAINTENANCE

(revised 8-8-2005)

Purpose

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of automobile maintenance

First, refer to General Regulations, page 7.

Clothing Requirement

Clothing that is safe and appropriate to the automobile maintenance industry

Eligibility

The contest is open only to active secondary division SkillsUSA Virginia members enrolled in Trade and Industrial programs with entry-level job MIT's in the auto maintenance/ automotive service trade as an occupational objective. The contestant must be classified under the provisions of Public Law 94-142 entitled "Education for Handicapped Children Act of 1975". Contestants must have an IEP (Individual Education Plan) on file in their home schools.

Equipment and Materials

Supplied by the technical committee:

- a. All necessary equipment and tools for projects selected

Supplied by the contestant:

- a. Safety glasses or goggles
- b. Pen an /or pencil with eraser
- c. Tire pressure gauge 0-60 lbs.
- d. One page personal resume to be handed in at the beginning of the contest.

Scope of the Contest

1. Contestants will demonstrate their ability to perform maintenance procedures on automobiles by performing at least 4 of the following 8 activities:
 - a. The contestant will demonstrate correct exterior cleaning and drying of a car.
 - b. The contestant will demonstrate Island Services including checking fluid levels under the hood, cleaning windows, making change, and writing credit slips.
 - c. The contestant will demonstrate fluid checks, oil and filter changes, and chassis lubrication.
 - d. The contestant will demonstrate repairing a tire by dismounting, repairing, remounting tire, and checking for leaks.
 - e. The contestant will demonstrate the correct way to remove wheel and drum, disassemble brake (shoes, springs, self-adjust), and reassemble brake.
 - f. The contestant will demonstrate correct procedure for removal, cleaning, setting gap, and installing spark plugs to manufacturer's specifications.

- g. The contestant will inspect a car that is already on a lift. The car will have problems that the technical committee will prepare. The contestant shall observe and report on the following:
 - 1. loose parts
 - 2. missing parts
 - 3. exhaust system
 - 4. leaks
 - 5. shocks
 - 6. tire wear
 - 7. suspension.
- h. The contestant will balance tires.

Contestants must present a one page personal resume' at the beginning of the contest.

Auto Maintenance Rating Sheet

ITEMS EVALUATED	POSSIBLE POINTS
<u>ONE PAGE PERSONAL RESUME'</u>	10
 <u>OPERATION 1</u>	
Workmanship	10
Accuracy	10
Speed	10
Neatness	10
Safety	10
 <u>OPERATION 2</u>	
Workmanship	10
Accuracy	10
Speed	10
Neatness	10
Safety	10
 <u>OPERATION 3</u>	
Workmanship	10
Accuracy	10
Speed	10
Neatness	10
Safety	10
 <u>OPERATION 4</u>	
Workmanship	10
Accuracy	10
Speed	10
Neatness	10
Safety	10
 SUBTOTAL	 210
 TOTAL POINTS	