

SkillsUSA District 8 Competition



Automotive Refinishing Technology Contest

Purpose

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

Clothing Requirements

1. All department and school names must be removed prior to the competition.
2. Work uniforms
3. Leather work shoes (Leather or canvas tennis shoes are not acceptable.)
4. Clear-lens goggles or safety glasses with side shields (Prescription glasses can be used only if they are equipped with side shields. Otherwise, they must be covered with goggles.)

Eligibility

Open to active SkillsUSA members who are enrolled in programs with automotive refinishing technology as the occupational objective

Equipment and Materials

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| <ol style="list-style-type: none">1. Supplied to contestant:<ol style="list-style-type: none">a. Various grits of sandpaperb. Scuff padsc. Paint - Solvent Based Paintd. Paint sticks/ strainere. Reducerf. Primerg. Clear coat - Solvent Basedh. Sanding bucketsi. Masking tape and paperj. Razor bladesk. Cleaning towelsl. Tack clothsm. Product information sheetsn. Gloveso. Solvent cleanerp. Blow gunq. Fresh-air supplied respirator | <ol style="list-style-type: none">2. Supplied by contestant:<ol style="list-style-type: none">a. 6-inch DA sanderb. Cartridge-type respirator (charcoal-filtered)c. Spray gund. Paint suite. Hook-it DA padf. Air pressure gaugeg. Sanding padsh. Sanding blocksi. Squeegeesj. Other equipment at the contestants discretion |
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Contest Specifications

The contest reflects current industry technical standards and is divided into three task sets:

- Task No. 1: A spot repair on a panel including featheredging, priming, blocking, and refinishing
- Task No. 2: Masking a vehicle per a work order

Task No. 1: Spot Repair

1. **Repair paint damage; mix and apply bare-metal primer to a damaged fender.**
A front fender will be affixed to a stand. There will be a 4-inch scratch on the fender. The contestant is to prepare the damaged area to receive a surface primer.
2. **Apply primer surfacer and sand.**
Using the same fender, the contestant should mix and then apply a primer surfacer to the damaged area. When the panel is dry, the contestant sands the surface until the area is ready to seal.
3. **Apply primer sealer.**
The contestant then mixes and applies the primer sealer to the damaged area.
4. **Apply basecoat.**
The contestant will prepare and apply basecoat to the damaged area, blending it out far enough to create an invisible repair, without painting the entire fender.
NOTE: The basecoat for this contest will be a solvent-borne product.
5. **Apply clear coat.**
The contestant then mixes and applies clear coat to the entire fender.

Task No. 2: Masking

1. **Mask a vehicle for a refinish repair using a repair order as a guide.**
Using a mock repair order that outlines damage on a vehicle, the contestant is to envision how they would repair and paint the vehicle and then mask it accordingly. The repair will consist of a two-panel repair that includes a blend onto the second panel.

		Contestants										
8. Masking	Value	1	2	3	4	5	6	7	8	9	10	11
Applied masking tape neatly and effectively	5											
Applied masking paper neatly and effectively	5											
Masked door jambs (aperture tape or masking tape)	5											
Applied masking materials to meet requirement or work order												
Scoring Subtotal	20											
Score Section 1	11											
Score Section 3	17											
Score Section 4	11											
Score Section 5	22											
Score Section 6	17											
Score Section 7	26											
Score Section 8	20											
Score Total	124											



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