

2020 SkillsUSA State Competition South Carolina

AUTOMOTIVE REFINISHING TECHNOLOGY

This contest is hosted by John Harris Body Shops. It is located at the Greer Shop Location (635 West Wade Hampton Blvd, Greer, SC 29650).

Please review this guide for changes to the 2020 South Carolina SkillsUSA Collision Repair Technology competition from the previous years.

Information for Career Centers/ High School (Secondary)

The competition will be open to TWO contestants from each career center/high school for EACH area. Meaning that each secondary school can bring two contestants for Collision Repair and two contestants for Automotive Refinishing.

The competition will be held on one day, Saturday, March 21, 2020.

Brief Schedule

Saturday, March 21

- Start check-in at 8:00 AM
- Contest will begin promptly at 9:00 AM
- Contest will conclude at 5:00 PM

Saturday, March 28

- Awards Ceremony

Clothing Requirement

Official SkillsUSA light blue work shirt and navy pants; black, brown or tan leather work shoes; and safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)



These regulations refer to clothing items that are pictured and described at: www.skillsusastore.org. If you have questions about clothing or other logo items, call 800.401.1560 or 703.956.3723.

Note: Contestants must wear their official contest clothing to the contest orientation meeting.

Equipment and Materials

Supplied by contestant:

- Hard copy of Resume
- Paint Suit
- SafetyGlasses
- Cartridge Respirator (optional)
- Spray Gun (optional - must be HVLP and OSHA compliant)
- Air Pressure Gauge (optional - depending on the spraygun)
- Sanding Blocks (dry and water)

If a contestant wants to bring their own DA sander, it must have a 'sticky' pad.

Supplied by committee and ABR department:

- Safety Glasses
- Fresh air respirator for spraying
- Various grits of sandpaper and grinding discs
- Prep scuff gel
- Clean-up thinner
- Strainers
- Reducer
- Paint
- Primer surfacer
- Clearcoat
- DA sanders
- Abrasive sanding pads
- Ultrafine sandpaper
- Paint Paddles
- Necessary masking materials
- Razor blades
- Cleaning towels
- Tack cloths
- Painter's gloves
- Solvent cleaner
- Waterborne cleaner
- Sanding masks

Standards and Competencies

The contest aligns identically to the current national standards. See their documents for specific details. For each portion of the competition listed below, the national standards that are met will be in *italics* beside each title.

Scope of the Contest

Saturday, March 21, 2020

The competition consists of seven different segments, three of an administrative nature and four technical proficiencies:

1. Knowledge Performance (100 points)- 50 question written ASE exam
2. Written Estimate (100 points) - *Standard 21*
3. Job Interview (100 points) - fill out a job application and have a 5-minute interview. *Standards 22 - 26*

Station 1: Spot Repair (maximum points: 175)

Standards 1 - 4

Waterborne Basecoat is used in this segment.

1. Prepare a fender for blending, to include the blend area and surrounding areas that will have clearcoat applied (58 points)
2. Blending the basecoat (59points)
3. Clearcoat application - apply two full coats of clear to the blended panel (58 points)

Station 2: Color Tinting (maximum points: 175)

Standards 5 - 6

Waterborne basecoat is used for this segment.

All toners and descriptions will be given.

1. Evaluate and identify color mismatch problems with specific details. (87 points)
2. Color adjustment - select correct toner and adjust to achieve a blendable match. (88 points)

Station 3: Featheredge, Priming, and Blocking (Scratched Bumper Cover) (maximum points:175)

Standards 9 -12

1. Repair and featheredge damaged area in preparation for primer. (58 points)
2. Apply 2-K primer using correct technique. (58 points)
3. Perform proper block sanding technique and final sand for basecoat application (59 points)

Station 4: Paint ID and Masking (maximum points: 175) *Standards 13 -15*

1. Locate, identify, and record paint code. (87 points)
2. Appropriate masking techniques for refinishing fender and blending into adjacent panel (front door). (88 points)

The competition will be in five rotations, each rotation is fifty minutes plus the written exam and interview phase. The times and rotations are as follows:

- **Written Test: 9:00AM – 10:15AM**
 - 5 minutes for rotation
- **Interviews: 10:20AM – 11:25AM**
- **Lunch: 11:25AM - 12:10PM**
- **Rotation 1: 12:10PM - 1:00PM**
 - 10 minutes for rotation
- **Rotation 2: 1:10PM - 2:00PM**
 - 10 minutes for rotation
- **Rotation 3: 2:10PM - 3:00PM**
 - 10 minutes for rotation
- **Rotation 4: 3:10PM - 4:00PM**
 - 10 minutes for rotation
- **Rotation 5: 4:10PM - 5:00PM**

Lunch will be provided for competitors and instructors ONLY.

This will conclude the competition.

Upon any time contingencies, all rotational time will be adjusted. The amount of time for each station will not be affected.

IMPORTANT

INSTRUCTORS ARE NOT TO HAVE ANY CONTACT OR COMMUNICATION WITH COMPETITORS AT ANY POINT DURING THE COMPETITION. Contact between instructors and competitors during the time of competition, or during breaks, will be grounds of **DISQUALIFICATION** from the SC SkillsUSA competition.