NYS SkillsUSA Automotive Refinishing Technology

Scope of the Contest
To evaluate each contestant’s preparation for employment and to recognize outstanding students for excellence and professionalism in the field of Collision Refinish and Repair. The overall appearance of the finished products, speed and proper safety practices is judged.

Knowledge Performance
The contest will include a Video with Oral Presentation. The video demonstration is a presentation of the refinishing equipment tasks to be completed. Contestants will ensure they are narrating the steps they are taking for the specific task. The narration should include equipment used, grit specifications of sandpaper, chemicals being applied and air pressures used at the spray gun. Proper techniques, safety procedures and speed will be noted as well.

*See SkillsUSA Virtual Technical Standards for competencies measured.

Contest Information (all items must be received by the due date)
Contestant number must be visible at all times.

• PDF Resume
  o Upload one file with all contestant’s one-page resume’s. Email to send them to will be given during zoom competition.

  “Written” Test
• Contestants are to all log onto Zoom call at time TBD. Contestants need to have an internet connection as well as a camera turned on. Students will be given a link to compete a multiple choice test, there will be no time limit.

  Zoom Interview/Role Play
You will receive a specified date/time to participate in a virtual interview/role play via Zoom with industry professionals. You should be dressed in your SkillsUSA attire for this session. Have a camera on your computer turned on. You will be asked questions about your resume and your completed tasks.
Video of Demonstrated Procedures

- Through a recorded Zoom session, record the contestant completing the tasks. One camera should show the entire lab/workspace the student is in, and the second camera should be focused on the student as they complete tasks. *Ensure lighting, audio and video are high quality. You will be provided with a link to send the video to by April 1, 2021.*
- The video may be recorded as one continuous recording, or it can be broken into segments if needed.

Scoring Information

The following items will be judged by industry professionals:

Task #1 Sealer Application

Instructions: The participant will apply sealer to the panel. Proper technique, spray gun and surface preparation will be displayed and the student will explain the process and specific materials used to prepare the surface prior to sealer application.

1. Demonstrate proper safety procedures
   1.1 Demonstrate proper safety procedures
   1.2 Clean the entire area of panel being repaired; use appropriate cleaner to remove contaminants
   1.3 Dry sand areas to be refinished to no gloss.
   1.5 Clean area to be refinished using a final cleaning solution
   1.6 Remove dust from the area to be refinished
   1.7 Remove, with a tack rag, any dust or lint particles from the area to be refinished
   1.8 Check and adjust spray gun operation
   1.9 Apply sealer using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed and spray pattern overlap) for sealer being applied

Task #2 Base Coat Application

Instructions: The participant will apply silver basecoat to the panel. Two coats at a minimum are recommended for proper coverage with a final top coat showing full coverage and an even, uniform application. Proper technique, spray gun and surface preparation will be displayed and the participant will explain the process and specific materials used to prepare the surface prior to basecoat application. The color doesn’t need to be a specific color code but is required to be a light metallic silver.

2.1 Demonstrate proper safety procedures
2.2 Remove, with a tack rag, any dust or lint particles from the area to be refinished
2.3 Check and adjust spray gun operation
2.4 Apply finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed and spray pattern overlap) for the finish being applied
2.5 Apply basecoat for panel refinishing

**Task #3 Clear Coat Application**

**Instructions:** The participant will apply clear coat to the panel. Proper spray technique, spray gun and surface preparation will be displayed and the participant will explain the process and specific materials used to prepare the surface prior to clear coat application.

3.1 Demonstrate proper safety procedures
3.2 Remove, with a tack rag, any dust or lint particles from the area to be refinished
3.3 Check and adjust spray gun operation
3.4 Apply clear coat finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed and spray pattern overlap of 75-90% for the finish being applied

**Note:** All final, finished panels will be shown fully in the individual’s video segment. The panel will be filmed from a distance of approximately 2 feet with a minimum of three camera passes across the surface to be able to display final surface finish, shine, even coverage of material and final appearance.

A tiebreaker will be available if needed. It will be a test provided through a zoom call. Contestants will need internet and to have their camera turned on. A link with questions will be provided at that time.