NYS SkillsUSA Collision Repair 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. Grading is based on tasks in the National Automotive Technicians Foundation (NATEF) Collision Repair/Refinishing Non-Structural Analysis and Damage Repair Technical Standards (ASE B3 Test)

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 how they are mixed prior to application. Proper techniques, safety procedures and speed will be noted as well.

*See SkillsUSA Virtual Technical Standards for competencies measured.

- **Contest Information** Contestant’s number must be visible at all times.

- **PDF Resume**
  - Upload one file with the contestant’s one-page resume. 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 given a link to send your 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 Dent Repair with plastic filler**

**Instructions:** Repair depressed area of a steel panel using plastic filler. The task will include final sanding in preparation for primer application but primer will not be applied to finished repair. Proper technique, surface preparation and mixing of plastic body filler will be displayed and the student will explain the process and specific materials used to prepare the surface prior to the primer stage of the repair.

1.1 Model proper safety procedures
1.2 Clean contaminants from a damaged panel
1.3 Locate surface irregularities on a damaged panel
1.4 Remove finish from the damaged area(s) as necessary
1.5 Apply hammer and dolly techniques to repair damage
1.6 Mix and apply plastic body filler on a steel panel
1.7 Rough sand cured body filler to contour
1.8 Finish sand

**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.

**Task #2 Dent Repair using shrinking techniques**

**Instructions:** Repair depressed area of a steel panel using heating techniques.

2.1 Model proper safety procedures
2.2 Clean contaminants from a damaged panel
2.3 Locate surface irregularities on a damaged panel
2.4 Remove finish from the damaged area(s) as necessary
2.5 Identify hammer and dolly techniques to repair damage
2.6 Describe the cold shrinking process as necessary
2.7 Describe the heat shrinking process as necessary
2.8 Demonstrate the cold shrinking process as necessary
2.9 Demonstrate the straightening process with heat application as necessary

**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 surface finish, smoothness and quality of the final repair.