



# Collision Repair Technology



<b>Date</b>	February 6, 2026	<b>Orientation Time</b>	8:00 a.m. (CLOSED to instructors)
<b>Location</b>	Schottmiller's Auto Body 11478 Reading Rd. Cincinnati, OH 45241	<b>Contest Time</b>	Immediately following orientation (OPEN contest)
<b>Scope of Contest</b>	Competitors will demonstrate their ability to perform jobs and skills based on the task list outlined by I-CAR, ASE and the ASE Education Foundation. The competition includes a series of workstations to assess skills in the following areas: metal straightening, attachment methods, plastic repair and structural analysis. The overall appearance of the finished product, ability to follow published procedures, and proper safety practices will be judged. The competitors will participate in an interview.		
<b>Testing</b>	Yes		
<b>Eligibility</b>	2 contestants per building IRN (chapter)		
<b>Clothing</b>	Clothing Competition Guide: CLASS D		
<b>Provided by Contestant</b>	<p>Professional Resume – must be typed and physically produced as a hard copy Emergency Medical Form (Contestants must have this to compete) Verification of Tool Training and Safety (See form on SkillsOhio Web site)</p> <ul style="list-style-type: none"><li>• Safety glasses with side shields (prescription glasses must have side shields or be covered with goggles), Face shield</li><li>• Welding gloves, work gloves, welding helmet (grade 10 or higher), welding respirator, welding jacket</li><li>• Nitrile or rubber gloves for handling body fillers and various cleaning products</li><li>• Air fitting- Milton A style fitting</li><li>• Air hose, 25 feet</li><li>• Grinder with disk</li><li>• Side cutters, pliers, locking pliers (2 pair for welding)</li><li>• Metal finishing tools (body hammers, dollies, etc.)</li><li>• Sanding blocks (w/ sand paper)</li><li>• Dual action sander (w/ sand paper)</li><li>• Grinder (with grinding discs)</li><li>• Belt grinder</li><li>• Appropriate sand paper and disks</li><li>• Air file</li><li>• Blow gun</li><li>• Performance Manual Applicator Gun for plastic repair</li><li>• Body Filler Board</li><li>• Contestants may use any tools appropriate for dent repair (bulls eye pick, body picks, glue pulling tools, leverage bar)</li><li>• Vise grips (at least two pair)</li><li>• Dollies</li><li>• Clipboard</li><li>• Two #2 pencils, sharpened</li></ul>		

	<ul style="list-style-type: none"> <li>• Calculator</li> <li>• <b>Competitors are required to bring materials and PPE to complete repairs.</b></li> <li>• <b>Skills USA will not supply sandpaper for the competition.</b></li> </ul> <p><b>Equipment &amp; Materials Supplied by Technical Committee/Host Site</b></p> <ul style="list-style-type: none"> <li>• <b>Metalworking/Body Work</b> <ul style="list-style-type: none"> <li>• Fenders</li> <li>• Body filler with hardener</li> <li>• Basic shop equipment</li> <li>• Panel stands</li> </ul> </li> <li>• <b>Welding</b> <ul style="list-style-type: none"> <li>• 4 Miller Millermatic 141 welders</li> <li>• Welding coupons</li> </ul> </li> <li>• <b>Plastic Repair – Two-Sided Bumper Repair</b> <ul style="list-style-type: none"> <li>• Piece of a semi rigid plastic bumper with a gouge</li> <li>• Plastic Repair Material</li> </ul> </li> <li>• <b>3M™ Performance Manual Applicator Gun</b></li> </ul> <p><u>The following WILL NOT be tolerated and are grounds for disqualification from the competition:</u></p> <ul style="list-style-type: none"> <li>○ No smart watches, cellphones and/or other electronic devices in the contest area unless specifically stated in this document. These devices cannot be used as a calculator.</li> <li>○ No contact with anyone outside of the contest area once the contest begins.</li> <li>○ No inappropriate communication between contestants such as verbally degrading another contestant or informing another contestant of the skills/test prior to or during the competition.</li> <li>○ No cheating on any portion of the contest.</li> <li>○ The use of AI is strictly prohibited and will result in an automatic disqualification of the contestant.</li> </ul>	
<b>Contest Standards</b>	<p><b>Contest Skilled Performance Standards</b></p> <p><b>CRT 1.0</b> - Repair depressed area(s) on a steel panel with hammer and dolly techniques and body filler</p> <p><b>CRT 3.0</b> - Repair depressed areas using metal finishing techniques on a steel panel with hammer and dolly techniques and body filler</p> <p><b>CRT 5.0</b> - Prepare steel panel for primer</p>	<p><b>Aligned ODE Transportation Career Field Technical Standard Outcomes</b></p> <p><b>Outcome 6.5</b> Surface Preparation</p> <p><b>Outcome 6.5</b> Surface Preparation</p> <p><b>Outcome 6.5</b> Surface Preparation</p> <p><b>Outcome 6.3</b> Joining and Cutting Metals</p>

	<p><b>CRT 6.0</b> — Demonstrate the understanding and skills necessary for attachment methods needed for collision repair of steel and aluminum panels</p> <p><b>CRT 7.0</b> - Complete a two-sided repair on a plastic vehicle part. Mix and apply appropriate plastic repair material following product maker procedures</p> <p><b>CRT 20.0</b> - Demonstrate interview skills</p>	<p><b>Outcome 6.4</b> Plastics and Adhesives</p> <p>Above Outcomes can be found in the following ODE courses:  177010 Collision Non-Structural  177023 Collision Painting and Refinishing</p>
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