



# COLLISION REPAIR PROFESSIONALS: ALUMINUM STRUCTURAL TECHNICIAN



An Aluminum Structural Technician restores aluminum structural dimensions and integrity to collision damaged vehicles. He or she uses three-dimensional measuring and straightening equipment to diagnose damage and return damaged unibody parts to manufacturer's specifications. Hand tools and power tools are used to remove or repair damaged aluminum parts, weld, and properly install new parts. This individual also works with a variety of metals and plastics, as well as glass, electrical, and mechanical parts.

To be recognized as an I-CAR Platinum Individual® in the Aluminum Structural Technician role, you must fulfill training requirements for each I-CAR® ProLevel™ before your renewal date in the year specified below. This document provides a partial list of training options to fulfill knowledge areas. For a comprehensive list of options, reference the Training Planner in *myI-CAR*. To retain your designation, you must complete training from each subsequent training level within 12 months of the date when the original I-CAR Platinum Individual® designation was awarded.

2012 	2013 	2014 	<b>ONGOING TRAINING</b>
<b>KNOWLEDGE</b>			
<ul style="list-style-type: none"> <li>Analyze structural repair damage</li> <li>GMA (MIG) weld qualified</li> <li>Repair and/or replace outer body panels</li> <li>Three-dimensional measuring</li> </ul>	<ul style="list-style-type: none"> <li>Heating, cooling, and air conditioning systems</li> <li>Pillars, rocker panels, rails, front structures, and floor pan replacement</li> <li>Stationary glass replacement</li> <li>Straighten structural damage</li> </ul>	<ul style="list-style-type: none"> <li>Develop and follow an appropriate repair plan</li> <li>Partial replacement of structural parts</li> <li>Receive role-relevant annual training</li> <li>Steering and suspension systems and angles</li> <li>Strongly encouraged to maintain ASE Structural (B4) certification</li> </ul>	<p>Once your training requirements for I-CAR® ProLevel™ 3 have been met, you need to take six (6) credit hours of role relevant training (not previously taken) on an annual basis to maintain your designation. Options can come from either Training or New Technology Training.</p>
<b>TRAINING</b>			
<ul style="list-style-type: none"> <li><input type="checkbox"/> Aluminum GMA (MIG) Welding Qualification Series (WCA03) *</li> <li><input type="checkbox"/> Automotive Foams (FOM01)</li> <li><input type="checkbox"/> Corrosion Protection (CPS01)</li> <li><input type="checkbox"/> Hazardous Materials, Personal Safety, and Refinish Safety (WKR01)</li> <li><input type="checkbox"/> Measuring (MEA01)</li> <li><input type="checkbox"/> Replacing Aluminum Exterior Panels (PRA01)</li> <li><input type="checkbox"/> Structural Aluminum Design and Repair Processes (SPA01)</li> <li><input type="checkbox"/> Structural Aluminum Repair Processes (SPA02)</li> <li><input type="checkbox"/> Plus one New Technology course</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Air Conditioning (AIR01)</li> <li><input type="checkbox"/> Heating and Cooling Systems (HEA01)</li> <li><input type="checkbox"/> Stationary Glass (GLA02)</li> <li><input type="checkbox"/> Structural Straightening Aluminum (SSA01)</li> <li><input type="checkbox"/> Plus one New Technology course</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Rack and Pinion and Parallelogram Steering Systems (STE03)</li> <li><input type="checkbox"/> Suspension Systems (STE02)</li> <li><input type="checkbox"/> Wheel Alignment and Diagnostic Angles (STE04)</li> <li><input type="checkbox"/> Plus one New Technology course</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> I-CAR® Industry Training Alliance role-relevant training</li> </ul>
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><b>Training Course Key:</b>            ▲ Online Course            * In-Shop Welding Course</p> </div>			

## NEW TECHNOLOGY TRAINING

One course from this section not taken for another level must be taken to complete training for each I-CAR® ProLevel™; Ongoing Training may include any courses not previously taken.

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| <ul style="list-style-type: none"> <li><input type="checkbox"/> Collision Repair Overview for the 2006 Corvette Z06 (GEN01)</li> <li><input type="checkbox"/> Electric and Electric Hybrid Vehicles (ALT01) <b>-OR-</b> (ALT01e) ▲</li> <li><input type="checkbox"/> Hybrid Electric and Alternative Fuel Vehicles (ALT02) <b>-OR-</b> (ALT02e) ▲</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Overview of Cycle Time Improvements for the Collision Repair Process (CYC01)</li> <li><input type="checkbox"/> Vehicle Technology and Trends 2010 (NEW10)</li> <li><input type="checkbox"/> Vehicle Technology and Trends 2011 (NEW11)</li> </ul> |
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Certain training through the I-CAR® Industry Training Alliance may also be used to meet your training requirements. Contact I-CAR® Customer Care at 800.422.7872 or [customercare@i-car.com](mailto:customercare@i-car.com) to learn more.