

# 2022 POST-SECONDARY PROVINCIAL SKILLS CANADA COMPETITION



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## Contest Description

Edmonton Expo Centre, Edmonton

May 4 & May 5, 2022

<b>EVENT:</b> Auto Body Repair	<b>LEVEL:</b> Post-Secondary
<b>COMPETITION START TIMES:</b>  <b>May 4:</b> Orientation 7:30am - 8:30am Competition 8:30am - 3:30pm  <b>May 5:</b> Orientation 8:00am - 8:30am Competition 8:30am - 3:30pm	<b>LOCATION:</b>  Hall C, Edmonton Expo Centre, Edmonton
<b>DURATION:</b> 12 hrs. (Two Days)	
<b>WORLDSKILLS TRADE #: 13</b>	

*Please Note: Due to the uncertainty caused by COVID 19, the PSCC could be subject to change at any time based on the public health context. This document is subject to change as competition information is updated. Competitors are responsible for staying up to date with the most recent information. Check the footer for last updated date. Changes will be highlighted in yellow.*

### CONTEST INTRODUCTION

The purpose of the Auto Body Repair competition is to evaluate each competitor's competency to organize and execute a given number of work assignments accurately and safely in the field of Auto Body Repair, and to recognize outstanding competitors for excellence and professionalism.

### SKILLS AND KNOWLEDGE TO BE TESTED:

Competitors should possess the skills to be able to:

- Measure, cut, fit, and weld metal component assemblies using GMAW equipment and spot welders
- Interpret vehicle dimensions, specifications, and accurately measure given points on a vehicle
- Metal shape and finish a panel with the use of a hammer, dolly, file, and the use of plastic filler

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- Perform structural adhesive repairs on plastic components
- Aluminum riveting and welding techniques
- Aluminum dent repair

## PROJECT DESCRIPTION

Competitors will be asked to perform the following projects:

- Mock B panel sectioning and welding (3hrs)
- Dimensional assessment on a vehicle (1.5hrs)
- Structural composite repair (1.5hrs)
- Metal repair - working with dolly, pick, file and the use of plastic filler (3hrs)
- Aluminum riveting and welding project (1.5hrs)
- Aluminum dent repair (1.5hrs)

**Please note:** Posted projects may be subject to change up to 25% at the time of the competition

## EQUIPMENT & MATERIALS

Equipment and Materials Competitors Must Supply:

All personal Auto Body Repair Technicians Tools and Safety Equipment, Including:

CSA Approved Steel Toed Footwear	CSA Approved Safety Glasses	Safety Face Shield
Coveralls (one piece - cotton) Non Disposable	Mechanics Gloves	Welding Helmet and Leather MIG Welding Gloves
Charcoal Respirator P-100 HEPA cartridge or disposable ( <b>MUST fit under welding helmet</b> )	Straight Edge and Felt Marker Pencil	Grinder (air or electric)
Pistol Grip Sander	Die Grinder	Pistol Grip Grinder
Reciprocating Saw (optional)	Cut-Off Tool – <b>WITH GUARD</b>	Cold Chisels/Seam Splitter
Random Orbit Sander	Drill - air <u>or</u> electric <u>or</u> cordless	Dollies (all purpose and flat)
Sure-form File	Body Filler Mixing Board	Body Filler Spreader
Ball Peen Hammer	Body Hammers (Cross Peen and Pick)	Air Blow Gun
Center Punch (optional)	Assortment of Vise Grips	Body File (Vixen)

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Sanding Blocks	Hacksaw and Blade	Long Board Sander
Side Cutters or MIG Welding Pliers	Pliers and Needle Nose Pliers	Utility Knife and Blades
Metal Hand File	Metric Tape Measure	
<b>IMPORTANT:</b>		
<b>BRING A FEMALE AIR COUPLER END TO MATCH YOUR AIR TOOLS</b>		
<b>NO HOMEMADE OR ALTERED TOOLS OF ANY KIND PERMITTED</b>		

## Equipment and Materials Supplied by the Committee:

220 Amp 110V Power Supply	Compressed Air	Steel MIG, Aluminum MIG and Resistance Spot Welding Equipment
Air Control Equipment	All Repair Material Associated with the Project(s)	Stainless Steel Brush
Work Table	Vice	Heat Gun
Riveter (as required)	Drill Bits	Spot Weld Cutters
Measuring Tram Gauge	Trouble Light	

## JUDGING CRITERIA

Metal sectioning and welding skills, plastic repair skills, measuring and accuracy, metal repair techniques and aluminum riveting and welding skills.

- B Pillar Sectioning- 300 Points
- Metal Repair- 300 Points
- Aluminum Dent Repair- 100 Points
- Vehicle Measuring- 100 Points
- Plastic Repair- 100 Points
- Aluminum Welding Project- 100 Points

Total Points: 1000

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## TIE BREAKING PROCESS

All events within the competition will be timed. In the event of a tie, the total amount time taken for the entire competition by the tying competitors will be factored into the scoring process.

## CLOTHING REQUIREMENT

Appropriate work clothing must be worn to compete. All clothing must be neat and clean and free of rips and tears. Casual wear such as shorts and open toed shoes/sandals will not be permitted. No loose fitting clothes or jewelry.

## SAFETY

The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

## ADDITIONAL INFORMATION

### Skills Canada Alberta Regional and Provincial Rules and Regulations

#### [Regional and Provincial Rules and Regulations](#)

*Competitors must be prepared to adhere to all public health measures in place at the time of the PSCC.*

### Lunch

Lunch for competitors will be provided by Skills Canada Alberta.

### Parking & Venue Maps

<http://edmontonexpocentre.com/attend/parking/>

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## Competitor Registration

Competitor Registration for the PSCC will take place on Tuesday May 3, 2022 from 9:00am-6:00pm outside Hall B of the Edmonton EXPO Centre. Please note you will be required to present your COVID-19 proof of vaccination.

## Virtual Awards Ceremony

The Virtual Awards Ceremony will take place **Friday, May 6<sup>th</sup> at 6:30pm**. A link will be made available on the website with additional information prior to the ceremonies.

## Team Alberta Information

Team Alberta (Post-Secondary) will be selected at the PSCC happening on May 4 - May 5, 2022. Top eligible medalists will compete at the Skills Canada National Competition (SCNC) May 24-28, 2022 in Vancouver, BC. It is recommended that competitors review the SCNC contest description to be familiar with the national contest description and project at <http://www.skillsCanada.com/>.

If a competitor is not able to attend the SCNC, competitors MUST notify Victoria Anderson [Victoriaaa@skillsalberta.com](mailto:Victoriaaa@skillsalberta.com) prior to the start of competition. If a gold medalist is not able to attend the SCNC, the next top-ranking individual will be asked to participate.

## Test Project change at the Competition

Where the Test Project has been circulated to Competitors in advance, PTC can change a maximum of 30% of the work content.

## Questions?

Please contact Mike Sury [Mikes@skillsalberta.com](mailto:Mikes@skillsalberta.com) if you have any questions regarding the Contest Description.

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## PROVINCIAL TECHNICAL COMMITTEE (PTC) MEMBERS – AUTO BODY REPAIR

Stefano Liessi – Committee Chair	Jim Peterson
Ashley Pederson	Lisa Little
Chawki El-Homeira	Muhammad Afzal
Craig Mannell	Nathan Badry
Jason Budd	Roneel Karan
Jozef Lachkovic	
Justin Dambitis	

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