



ALBERTA VEHICLE EXTRICATION ASSOCIATION

Presents the

WESTERN CANADIAN RESCUE SYMPOSIUM

June 20, 21, 22, 2025

**Presented at the Olds Fire Department
Training Grounds - North Entrance
3501 70th Ave. Olds, AB.**

STUDENT REGISTRATION

Registration confirmation and check in will take place on Friday June 20, 2025, from 1130 hrs to 1300 hrs. Check in will be located at the Olds Fire Dept Training Grounds North Entrance 3501 70th Ave. Olds, AB. **Note: Students must be registered and paid prior to attending.**

PERSONAL PROTECTIVE EQUIPMENT / CLOTHING

Participants must supply their own PPE such as turn out gear or Nomex style coveralls (long sleeves only), CSA footwear, hand and eye protection and helmet / head protection.

ACCOMMODATIONS

We suggest attendees of the 2025 Western Canadian Rescue Symposium book their stay at the Pomeroy Inn & Suites 4601 46 Ave. Olds, AB for the event.

Book your room before May 1, 2025, to avoid disappointment!

WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION

WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION

RESCUE SYMPOSIUM

Participants will select two full-day, in-depth sessions from five specialized topics

- Heavy Vehicle Rescue
- Advanced Vehicle Rescue Techniques
- Confined Rescue
- “Left Hanging”
- Machinery Rescue
- **Bonus for all students** - Electric Vehicle Response Program (1/2 day Friday June 20th)

HERE IS HOW REGISTRATION WORKS

Each student will select five sessions in order of preference, and AVEA will do our best to ensure each student gets one of their top two choices and hopefully more!

This is your chance to gain valuable rescue skills in an immersive, interactive environment.

BASIC SCHEDULE

Olds Fire Dept Training Grounds North Entrance 3501-70th Ave. Olds, AB.

Day 1: Friday June 20, 2025

1130 to 1300 hrs Registration (Table North Entrance)

1300 to 1600 hrs Electric Vehicle Response Program

Day 2 Sessions: Saturday June 21, 2025

0730 to 0800 hrs Student Arrival and deploy to Sessions

0800 to Lunch Session Workshops

Lunch to 1600 hrs Session Workshops

1600 to 1630 hrs Clean Up

Day 3 Sessions: Sunday June 21, 2025

0730 to 0800 hrs Student Arrival and deploy to Sessions

0800 to Lunch Session Workshops

Lunch to 1600 hrs Session Workshops

1600 to 1630 hrs Clean Up

1300 to 1700 hrs Closing / Certificates and Critiques

Please Travel Safe!

HEAVY VEHICLE RESCUE

This one-day session immerses students in challenging rescue scenarios involving heavy vehicles, such as B-train jackknives, cement mixer rollovers, and coach bus underrides. Participants will gain firsthand experience using a variety of stabilization tools, including heavy rescue struts and cribbing, to securely stabilize vehicles.

Students will also develop practical skills in lifting and maneuvering heavy vehicles using advanced extrication tools, such as hydraulic rescue tools, lifting bags, and hydraulic struts. These techniques will apply to safely lift heavy vehicles and create safe extrication zones by removing passenger vehicles from hazardous situations. This comprehensive training prepares students to manage complex heavy vehicle rescue operations confidently and effectively.

This is an advanced level session. Students must be competent in passenger vehicle rescue tools and techniques.



WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION



ADVANCED VEHICLE RESCUE TECHNIQUES

This one-day session will challenge students with realistic scenarios involving a range of vehicles, including light passenger vehicles, heavy truck cabs, and school buses. Students will develop advanced tactics and techniques for creating space for patient extrication, utilizing a variety of equipment such as hydraulic tools, pneumatic tools, and hand tools. A strong emphasis will be on metal relocation and understanding the reactions of extrication equipment, enabling students to build confidence to conduct safe and efficient extrication operations and managing complex extrications effectively and efficiently.

This is an advanced level session. Students must be competent in passenger vehicle rescue tools and techniques.

WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION



WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION

CONFINED EXTRICATION

This one-day session presents students with a variety of complex extrication challenges, including scenarios with limited or no access to vehicle doors, vehicles trapped in trenches or ditches, impaled patients, and more. Students are tasked with creating space for patient extrication through techniques such as vehicle movement, tunneling, and strategic metal movement using a wide range of tools. Responders will employ innovative tactics and utilize diverse equipment to overcome these challenges, preparing them to manage complex extrications effectively and safely.

This is an advanced level session. Students must be competent in passenger vehicle rescue tools and techniques.



WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION

“LEFT HANGING”

This one-day session covers scenarios where vehicles could be hanging from structures, trees, wires, off embankments etc. These scenarios are a low frequency event, however, when they occur, rescuers must use a variety of tactics from high angle rescue, ladders or just their training and imagination while utilizing a variety of tools to affect a rescue in demanding situations. Students will complete scenarios with vehicles and patients in suspended positions utilizing a variety of tools, tactics, and rope operations.

This is an advanced level session. Students must be competent in passenger vehicle rescue tools and techniques. Further, students must be competent in basic rope rescue procedures and comfortable working at heights.



MACHINERY RESCUE

Are you prepared to deal large machines in your first due area? This one-day session will challenge students with realistic scenarios involving machinery and the skills needed to respond to these rescue incidents safely and effectively. Participants will learn to assess complex rescue scenarios involving industrial equipment, agricultural machinery, and other mechanical entrapments, apply them to this equipment and extrapolate those skills to other machinery. At the end of the session, students will be prepared to confidently manage machinery rescue incidents, ensuring the safety of both patients and responders.

This is an advanced level session. Students must be competent in passenger vehicle rescue tools and techniques.

WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION



ELECTRIC VEHICLE RESPONSE PROGRAM

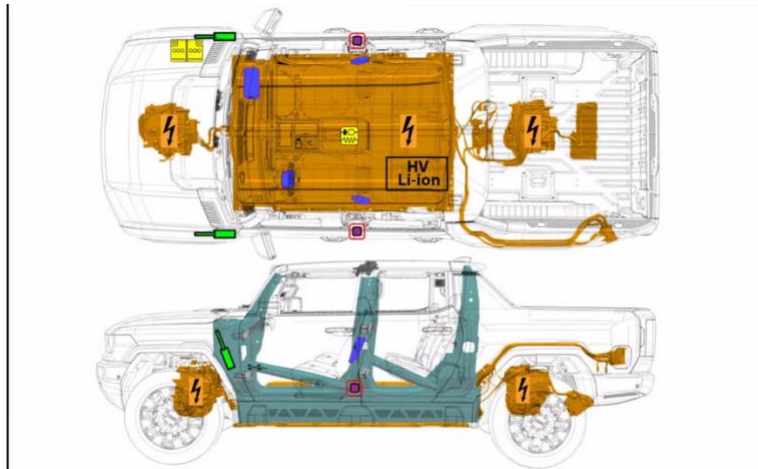
The automotive industry is undergoing a transformative shift toward electric vehicles (EVs), fueled by growing environmental awareness, rapid technological advancements, and supportive government policies. As EV adoption accelerates, it is crucial to understand the unique safety challenges they present.

Unlike traditional gasoline-powered vehicles, EVs have distinct features that impact fire risks, with high-voltage batteries playing a significant role in vehicle design. The new standard "Universal Skateboard Design," where the battery occupies the entire underside of the vehicle. This design not only optimizes battery performance but also integrates the battery as a structural component to enhance crash energy management while minimizing intrusion into the battery housing during impacts.

This session provides a review of these developments, focusing on EV fire risks and EV extrication risks, safety considerations, and emerging industry best practices.

Students should be familiar with passenger vehicle fires and extrication practices.

WESTERN CANADIAN RESCUE SYMPOSIUM – STUDENT INFORMATION



	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit		Pedestrian protection active system
	Automatic rollover protection system		Gas strut/Preloaded spring		High strength zone		Zone requiring special attention		
	Battery low voltage		Ultra capacitor, low voltage		Fuel tank		Gas tank		Safety valve
	High voltage battery pack		High voltage power cable component		High voltage disconnect		Fuse box disabling high voltage system		Ultra capacitor, high voltage

DO NOT CUT ANY ORANGE COLORED HIGH VOLTAGE CABLES.				Identification Number	Version Number	Page Number
				1GT-21101	2	1

