

VEHICLE EXTRICATION

A listing of materials available at the Justice Institute Library

GENERAL BOOKS

Electric Vehicle Emergency Field Guide. National Fire Protection Association. Quincy, MA: NFPA: NFPA. (TL 220 E38 E54 2012)

Hybrid Response Guide (HRG): 2000-2011. Seattle, WA: MGS Tech. (TL 221.15 H93 2011)

Road Accident Rescue: Australian Emergency Manual. Canberra, AU: Natural Disasters Organisation. (RC 88.9 R623 1992)

Vehicle Extrication by the International Fire Service Training Association. Stillwater, OK: Fire Protection Publications, Oklahoma State University. (TH 9402 V445 2017)

Vehicle Extrication: A Practical Guide by Brian G. Anderson. Tulsa, OK: PennWell Corp. (RC 88.9 T7 A538 2005)

Vehicle Extrication: A Training Manual by J. Steven Kidd and John D. Czajkowski. New York, NY: Fire Engineering. (RC 88.9 T7 K53 1991) **Study Guide** (RC 88.9 T7 K532 1991)

Vehicle Rescue by Harvey Grant and James Gargan. Upper Saddle River, NJ: Prentice-Hall. (RD 96.6 G7 1997)

Vehicle Rescue 1-2-3 by Ron Moore. Huntington Beach, CA: Firefighters Bookstore. (RC 88.9 T7 M66 2011)

Vehicle Rescue and Extrication by Ronald E. Moore. St. Louis, MO: Mosby. (RC 88.9 T7 M66 2003)

GENERAL DVDs

D1238 **Evolutions** (DVD, 38 minutes)

David Dalrymple addresses the overarching extrication process faced by first responders. Part three reviews the basic evolutions that every extrication responder should be able to perform. Dalrymple looks at the various tools available to most responders and discusses which ones are appropriate for each task. He addresses various side, roof, dash, and trench evolutions, as well as tunneling and ramming techniques. Responders must be familiar with as many extrication evolutions as possible. With the complexity of today's extrication events, it is important to have a Plan B and Plan C on-scene. (Annex Bookstore) (RC 88.9 T7 D341 2011 pt.3)

- D345 **Fireground: Big Rig Rescue** (DVD, 30 minutes)
Athens, Texas, firefighters respond to a tractor trailer truck crash with a driver trapped in the wreckage. Video of the step-by-step process of removing the truck's cab, piece by piece, shows how complex big rig rescues can be. (Trinity Workplace Learning) (RC 88.9 T7 F573 2006)
- D661 **Rescue Operations** (DVD, 27 minutes)
Demonstrates how to move injured victims using carries and drags. Presents various types of rescue tools, the dangers of vehicle restraint systems. Demonstrates methods to extricate an entrapped victim from a vehicle. (Action Training Systems Inc.) (TH 9402 R485 2007)
- D1237 **Scene Management** (DVD, 31 minutes)
David Dalrymple addresses the overarching extrication process faced by first responders. In part two he addresses the importance of proper scene size-up and management in order to set up a safe and efficient extrication. Dalrymple also covers scene safety, stabilization, and glass management, all skills important in allowing the responder to access and deal with patient considerations. (Annex Bookstore) (RC 88.9 T7 D341 2011 pt.2)
- D628 **School Bus Rescue. Part 1** (DVD, 30 minutes)
In this program, vehicle extrication specialist Ron Moore introduces what responders need to know about school buses and what sets them apart from other vehicles. Also discussed is how to react in case of an accident involving a school bus. (TWL Knowledge Group) (RC 88.9 T7 S363 2001 pt.1)
- D629 **School Bus Rescue. Part 2** (DVD, 30 minutes)
Did you know that over 450,000 yellow school buses are on the road daily? Chances are good that you have some in your district, and for that reason, you will want to join vehicle extrication specialist Ron Moore for part two of FETN's school bus rescue series. This program focuses on basic school bus vehicle rescue tasks, which can be accomplished with simple basic rescue tools, such as wood blocking and a hacksaw. (TWL Knowledge Group) (RC 88.9 T7 S363 2001 pt.2)
- D630 **School Bus Rescue. Part 3** (DVD, 30 minutes)
School bus vehicles are not just big, yellow cars. The first step in approaching a school bus rescue is to understand that common automobile extrication tools and techniques are not sufficient at these incidents. The tasks listed and demonstrated in part three of this series represent more complex bus rescue evolutions, which require multiple tools and techniques to accomplish successfully. (TWL Knowledge Group) (RC 88.9 T7 S363 2001 pt.3)
- D631 **School Bus Rescue. Part 4** (DVD, 30 minutes)
Part four of this series prepares you for some of the most difficult and challenging school bus rescue evolutions. When the tasks introduced in this course have to be accomplished at a real-world incident, responders will find themselves deeply involved in a very demanding and complex technical rescue. (TWL Knowledge Group) (RC 88.9 T7 S363 2001 pt.4)

- D400 **Vehicle Extrication, pt.1, Incident Overview** (DVD, 21 minutes)
This program is intended to prepare responders to control a vehicle extrication scene and begin rescue procedures. It discusses initial arrival and establishing command; defines how to size up the scene and locate hazards; and it gives an overview of patient access, disentanglement, and extrication. (Action Training Systems)
(RC 88.9 T7 V445 2006 pt.1)
- D401 **Vehicle Extrication, pt.2, Stabilization** (DVD, 20 minutes)
After a crash, vehicles often come to rest in unstable and dangerous positions. This program discusses basic vehicle stabilization techniques to help keep patients and rescuers safe throughout the rescue. It demonstrates how to stabilize a vehicle on four wheels, a side-resting vehicle and a roof-resting vehicle. It shows how to prevent forward movement and how to stabilize a vehicle on another object. As well, it discusses patient stabilization. (Action Training Systems) (RC 88.9 T7 V445 2006 pt.2)
- D402 **Vehicle Extrication, pt.3, Hazard Control and Safety** (DVD, 21 minutes)
At a motor vehicle accident scene, ensuring the safety of responders and the patient is the first priority. This program describes glass types and removal techniques. Identifies airbag locations and hazards. It demonstrates how to shutdown the vehicle's electrical system. It discusses restraint systems. It also describes how to mitigate the hazards of hybrid vehicles. (Action Training Systems) (RC 88.9 T7 V445 2006 pt.3)
- D403 **Vehicle Extrication, pt.4, Initial Procedures** (DVD, 16 minutes)
Responders at a vehicle incident need to know how to gain access to a patient quickly and efficiently. This program demonstrates various ways to access the patient, how to access the battery and how to open a jammed trunk. It also shows how to remove a windshield and how to create interior space. (Action Training Systems)
(RC 88.9 T7 V445 2006 pt.4)
- D404 **Vehicle Extrication, pt.5, Door and Sidewall Procedures** (DVD, 20 minutes)
Sometimes the quickest and safest way to extricate a patient from a motor vehicle is through a stuck door or a crushed sidewall. This program explains how to perform an extrication through the side of vehicle. It demonstrates how to open a jammed door. It presents a hinge attack and a latch attack. It shows how to do a vertical crush and how to create a third door. It also demonstrates a total door removal and a total sidewall removal. (Action Training Systems) (RC 88.9 T7 V445 2006 pt.5)
- D405 **Vehicle Extrication, pt.6, Roof and Trunk Procedures** (DVD, 17 minutes)
Severe crashes can leave a vehicle so mangled that simple access through a window or a door is impossible. In these cases, access must be established through the roof or trunk of a vehicle. This program demonstrates how to work with a collapsed roof. It presents the roof flap and the C-B-A roof pillar cut. It also shows the procedure for total roof removal. In addition, it demonstrates trunk tunneling. (Action Training Systems)
(RC 88.9 T7 V445 2006 pt.6)

- D406 **Vehicle Extrication, pt.7, Interior Procedures** (DVD, 18 minutes)
In a severe crash, victims may be trapped by the crushed interior of a vehicle. A steering column can pin patients' legs and the floor pedals can crush their feet. This program presents potential challenges with the interior of a vehicle and covers how to address them. It demonstrates how to relocate a steering column. It also shows how to move the dash, how to remove and relocate pedals, and how to remove and relocate seats. (Action Training Systems) (RC 88.9 T7 V445 2006 pt.7)
- D1478 **Vehicle Extrication, pt.8, Hybrid and Electric Vehicles** (DVD, 20 minutes)
Shows basic propulsion systems and common components of hybrid and electric vehicles. Demonstrates seven steps to approach and shutdown of crashed vehicles. Shows alternative procedures for shutdown when the ignition or keys are not accessible. (Action Training Systems) (RC 88.9 T7 V445 2012 pt.8)
- D1479 **Vehicle Extrication, pt.9, Advanced Steel** (DVD, 13 minutes)
Shows the rescue challenges presented by increased use of reinforced steel and ultra-high strength steel (UHSS) to protect passengers in vehicle crashes. Shows tools needed to penetrate advanced and reinforced steel, and how to use hydraulic power cutters to cut advanced and reinforced steel. Demonstrates "workaround" techniques to extricate patients trapped when advanced-steel-capable cutting tools aren't available. (Action Training Systems) (RC 88.9 T7 V445 2012 pt.9)
- D1480 **Vehicle Extrication, pt.10, Hand Tools Only** (DVD, 23 minutes)
Shows the components and general operating procedures for non-hydraulic rescue tools, such as rescue air chisels, reciprocating saws and manual jacks. Demonstrates alternative hand-tools-only methods for hood-opening, door and window techniques, roof access, trunk tunneling and interior procedures. (Action Training Systems) (RC 88.9 T7 V445 2012 pt.10)
- D1236 **Vehicle Technology: Alternative Fuel and Safety Systems** (DVD, 31 minutes)
David Dalrymple addresses the overarching extrication process faced by first responders. Part one addresses the challenges and concerns in performing extrication on traditional and alternative fuel vehicles. Manufacturers have introduced numerous structural and safety systems to make vehicles lighter, stronger, and safer than the vehicles of years past. Responders need to stay current with trends in automobile technologies such as airbags, rollover protection structures (ROPS), motive power, and construction considerations in order to maintain a safe extrication environment and increase the responders' chances of a swift, safe, and successful extrication. (Annex Bookstore) (RC 88.9 T7 D341 2011 PT.1)

CARBUSTERS 3! DVD SERIES

- D2001 **Advanced Extrication** (DVD, 30 minutes)
This program builds on the concepts developed in the first four volumes of the Carbusters training videos. The advanced techniques include: special situations, like heavy entrapment; cars on their sides, roofs, or each other; lifting and hoisting operations; multiple vehicle incidents; and vehicle underride situations. (Mosby) (RC 88.9 T7 C378 1999 pt.5)

- D1998 **Extrication Principles and Vehicle Design** (DVD, 30 minutes)
This program creates a foundation of safe rescue practices to help rescuers reduce extrication time and maintain the highest level of prehospital care. Issues addressed in this tape include: design trends in autos, mini-vans, and light trucks; supplemental restraint systems (e.g. front and side air bags, inflatable curtains, pretensioning belts); and rescue action plans. (Mosby) (RC 88.9 T7 C378 1999 pt.1)
- D2000 **Extrication Techniques** (DVD, 30 minutes)
This program provides thorough coverage of powered hydraulic rescue tools and illustrates techniques such as side removal. It also addresses the positioning of apparatus, issues of hazard control, new vehicle construction (mini-vans, light trucks, and SUVs), and scene termination duties. (Mosby) (RC 88.9 T7 C378 1999 pt.3)
- D1999 **Hand Tools and Pneumatics** (DVD, 30 minutes)
This program covers the safe operation of basic hand tools and pneumatic devices in conjunction with power hydraulic tools for safe, efficient extrication. Issues addressed in this tape include: cutting plastics; tips for "Plan B" when "Plan A" doesn't work; and tool care. (Mosby) (RC 88.9 T7 C378 1999 pt.2)

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