

Auto Extrication
Training Course Syllabus
Imperial Valley College / Fire 117 / Fall 2012
Instructor: Robert Malek
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Date of Course: 11/09/12, 11/14/12, 11/17/12

Course Title

Auto Extrication

Hours

18

Description

This course provides students with hands-on experience in the procedures and systems utilized during an automobile extrication. Subjects covered include: Auto extrication, types of hand and power tools, removing windows, opening doors, removing roofs, pulling steering wheels, moving foot pedals, raising dashboards, pulling seats, stabilization of vehicles, and simulated rescues of trapped victims.

Prerequisites

None

Certification

State Certification

Restrictions

This course requires a site with adequate materials and equipment to deliver the training according to the course outline.

Student Learning Outcome

Upon completion of this course, the participant will be able to:

- 1) Identify information on the types of incident they might encounter and the procedures and systems used during an auto extrication.
- 2) Identify the types of auto extrication tools and their uses.
- 3) Understand the proper procedure for maintaining auto extrication tools.
- 4) Establish and perform a rescue and use auto extrication tools during an exercise involving simulated victims and damaged vehicles.

Course Content

1. Introduction and Course Procedures
2. Safety Precautions
3. Auto Extrication Size-up
4. Types of Incidents That May be Encountered
5. Types of Tools and Their Application
6. Incident Command System for Auto Extrication
7. How to Remove The Front Windshield
8. How to Remove Side and Rear Windows
9. How to Open a Door Using a Panel Cutter
10. How to Open a Door Using a Spreader and Wedge
11. How to Pull a Door Using a Come-along. How to Remove a Roof Using an Air Chisel
13. How to Cut "A" Pillars Using a Hacksaw 14. How to Remove a Roof Using an Air Chisel, Hacksaw, and High-lift Jack
15. How to Pull a Steering Wheel Using a Come-along

16. How to Pull a Steering Wheel Using a High-lift Jack
17. How to Pull a Steering Wheel Using Seatbelts and The Hood
18. How to Pull a Steering Wheel Using a Scissor Jack
19. How to Cut a Steering Wheel Ring With a Bolt Cutter
20. How to Move Foot Peddles Using Seatbelts.
21. How to Raise a Dash Using High-lift Jacks
22. How to Pull a Front Seat Using a Come-
23. How to Pull a Front Seat Using a High-lift Jack
24. How to Take Out a "B" Pillar Using an Air Chisel
25. How to Use Cribbing to Stabilize a Vehicle
26. How to Make a Three-door Out of a Two-door for Rear Seat Rescue
27. Maintenance of Auto Extrication Tools
28. Using Auto Extrication Tools on Vehicles
29. Simulation Rescues of Trapped Victims

Course Exam

The minimum score to receive a "pass" in an exam or course is 70%. If a student fails an exam, they may apply for one opportunity to re-write the exam. There are no retakes for this exam.

Evaluation

Written Test

Manipulative Test