



State Firefighters' and Fire Marshals' Association of Texas

Texas Volunteer Firefighters' and Fire Marshals' Certification Board

PO Box 1409 ♦ Manchaca, Texas 78652-1409

www.sffma.org ♦ 512.454.3473 (phone)

INSTRUCTIONAL SKILLS

RESCUE FFII-1

Manage Vehicle Extrication Hazards

Subject: Rescue Operations

NFPA 1001 5.4.1

REFERENCE

Extricate a victim entrapped in a motor vehicle as part of a team, given stabilization and extrication tools, so that the vehicle is stabilized, the victim disentangled without further injury, and hazards are managed. (5.4.1)

OBJECTIVE

Trainee, operating as part of a team, shall manage the hazards found on a vehicle extrication scene.

INSTRUCTIONS - procedures for achieving the objective

Operating as a team, you will demonstrate the following technique for extricating a victim entrapped in a motor vehicle; managing vehicle extrication hazards. You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

INSTRUCTOR NOTE

NFPA 1001 A.5.4.1 In the context of this standard, the term *extricate* refers to those activities required to allow emergency medical personnel access to the victim, stabilization of the vehicle, the displacement or removal of vehicle components obstructing victim removal, and the protection of the victim and response personnel from hazards associated with motor vehicle accidents and the use of hand and power tools on a motor vehicle.

PREPARATION & EQUIPMENT

Vehicle for extrication evolution

Hazards - battery, spilled fluid, leaks, etc. (may be simulated)

PPE appropriate for the skill



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INSTRUCTIONAL SKILLS

RESCUE FFII-1

Manage Vehicle Extrication Hazards

Trainee: _____

Department: _____

Trainee, operating as part of a team, shall manage the hazards found on a vehicle extrication scene. (5.4.1)			
	POSSIBLE POINTS	TEST	RETEST
a. Maintains team integrity	1		
b. Performs a size-up to identify safety hazards	1		
c. Determines the need for additional resources	1		
d. Identifies and controls traffic hazards	1		
e. Deploys 1½" or 1¾" hose for protection	1		
f. Identifies vehicle fuel type	1		
g. Chocks wheels to prevent vehicle movement	1		
h. Identifies air bag locations	1		
i. Ensures vehicle's gear selector is in "PARK" if possible	1		
j. Ensures vehicle ignition is turned off, if possible	1		
k. Disconnects battery, if possible	1		
l. Identifies other possible power sources (phone chargers, second battery, etc.)	1		
m. Identifies leaks and, if possible, controls leaks	1		
n. Manages spilled fluids creating extrication hazard	1		
o. Communicates identified hazards to team members	1		
p. Maintains situational awareness during skill	1		
q. Performs skill in a safe and proficient manner	1		
TOTAL POINTS:	17		

Points needed to pass: 12

Evaluator/Candidate Comments:

Instructor's Signature

Date



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INSTRUCTIONAL SKILLS

RESCUE FFII-2

Stabilize a Vehicle

Subject: Rescue Operations

NFPA 1001 5.4.1

REFERENCE

Extricate a victim entrapped in a motor vehicle as part of a team, given stabilization and extrication tools, so that the vehicle is stabilized, the victim disentangled without further injury, and hazards are managed. (5.4.1)

OBJECTIVE

Trainee, operating as a member of a team, shall stabilize the vehicle at a vehicle extrication scene.

INSTRUCTIONS - procedures for achieving the objective

Operating as a team, you will demonstrate the following technique for extricating a victim entrapped in a motor vehicle: vehicle stabilization. The extrication hazards have already been managed. You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

INSTRUCTOR NOTE

NFPA 1001, A.5.4.1 – In the context of this standard, the term *extricate* refers to those activities required to allow emergency medical personnel access to the victim, stabilization of the vehicle, the displacement or removal of vehicle components obstructing victim removal, and the protection of the victim and response personnel from hazards associated with motor vehicle accidents and the use of hand and power tools on a motor vehicle.

PREPARATION & EQUIPMENT

Cribbing and shoring materials Vehicle for extrication evolution
PPE appropriate for the skill



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INSTRUCTIONAL SKILLS

RESCUE FFII-2

Stabilize a Vehicle

Trainee: _____

Department: _____

Trainee, operating as a member of a team, shall stabilize the vehicle at a vehicle extrication scene. (5.4.1)			
	POSSIBLE POINTS	TEST	RETEST
a. Maintains team integrity	1		
b. Performs a size-up and determines need for stabilization	1		
c. Evaluates vehicle's orientation and condition	1		
d. Chocks wheels to prevent wheel movement	1		
e. Identifies support locations under vehicle	1		
f. Positions cribbing under support location	1		
g. Builds layers of cribbing, as needed	1		
h. Uses wedges or shims, as needed	1		
i. Deflates vehicle tires, if appropriate	1		
j. Stabilizes vehicle with four points of ground contact	1		
k. Evaluates and maintains cribbing integrity	1		
l. Maintains situational awareness during skill	1		
m. Performs skill in a safe and proficient manner	1		
TOTAL POINTS:	13		

Points needed to pass: 9

Evaluator/Candidate Comments:

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INSTRUCTIONAL SKILLS

RESCUE FFII-3

Disentangle a Victim

Subject: Rescue Operations

NFPA 1001 5.4.1

REFERENCE

Extricate a victim entrapped in a motor vehicle as part of a team, given stabilization and extrication tools, so that the vehicle is stabilized, the victim disentangled without further injury, and hazards are managed. (5.4.1)

OBJECTIVE

Trainee, operating as a member of a team, shall extricate a victim entrapped in a motor vehicle.

INSTRUCTIONS - procedures for achieving the objective

Operating as a team, you will demonstrate the following technique for extricating a victim entrapped in a motor vehicle; victim disentanglement. The extrication hazards have already been managed and the vehicle is stabilized. You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

INSTRUCTOR NOTE

NFPA 1001, A.5.4.1 – In the context of this standard, the term *extricate* refers to those activities required to allow emergency medical personnel access to the victim, stabilization of the vehicle, the displacement or removal of vehicle components obstructing victim removal, and the protection of the victim and response personnel from hazards associated with motor vehicle accidents and the use of hand and power tools on a motor vehicle.

PREPARATION & EQUIPMENT

Cribbing and shoring materials

Hydraulic devices

Pneumatic devices

Ratchet devices

Vehicle for extrication evolution

PPE appropriate for the skill



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INSTRUCTIONAL SKILLS

RESCUE FFII-3

Disentangle a Victim

Trainee: _____

Department: _____

Extricate a victim entrapped in a motor vehicle as part of a team, given stabilization and extrication tools, so that the vehicle is stabilized, the victim disentangled without further injury, and hazards are managed. (5.4.1)

	POSSIBLE POINTS	TEST	RETEST
a. Maintains team integrity	1		
b. Initiates patient contact	1		
c. Protects patient, as needed	1		
d. Determines appropriate extrication technique for disentanglement	1		
e. Selects correct tool(s) for extrication technique	1		
f. Removes vehicle window(s), windshield, fender(s), roof, door(s), pillar(s), places relief cuts or displaces the dashboard, as needed to disentangle victim	1		
g. Operates hand and power tool(s), as designed	1		
h. Performs proper extrication technique without further injury to the patient	1		
i. Maintains situational awareness during skill	1		
j. Performs skill in a safe and proficient manner	1		
TOTAL POINTS:	10		

Points needed to pass: 7

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INSTRUCTIONAL SKILLS

RESCUE FFII-4

Assist Rescue Operations Teams

Subject: Rescue Operations

NFPA 1001 5.4.2

REFERENCE

Assist rescue operation teams, given standard operating procedures, necessary rescue equipment, and an assignment, so that procedures are followed, rescue items are recognized and retrieved in the time as prescribed by the AHJ, and the assignment is completed. (5.4.2)

OBJECTIVE

Trainee shall assist rescue operation teams by recognizing and retrieving rescue items.

INSTRUCTIONS - procedures for achieving the objective

You will assist a rescue operation team, following standard operating procedures (SOP), by retrieving necessary rescue equipment. You will begin on my instruction to start. The skill will end when you state to me that you have completed all the identified steps. Do you understand these instructions?

INSTRUCTOR NOTE

NFPA 1001, A.5.4.2 – The Firefighter II is not expected to be proficient in technical rescue skills. The Firefighter II should be able to help technical rescue teams in their efforts to safely manage structural collapses, trench collapses, cave and tunnel emergencies, water and ice emergencies, elevator and escalator emergencies, energized electrical line emergencies, and industrial accidents.

PREPARATION & EQUIPMENT

Department rescue SOPs or recognized safety practices of the AHJ

Various rescue equipment used by AHJ

Scenarios based on equipment and SOPs used by AHJ

PPE appropriate for the skill



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INSTRUCTIONAL SKILLS

RESCUE FFII-4

Assist Rescue Operations Teams

Trainee: _____

Department: _____

Trainee shall assist rescue operation teams by recognizing and retrieving rescue items. (5.4.2)			
	POSSIBLE POINTS	TEST	RETEST
a. Maintains team integrity	1		
b. Sizes up the scene	1		
c. Identifies the hazards	1		
d. Identifies the need for special rescue operations	1		
e. Establishes public barriers	1		
f. Initiates patient contact, if possible	1		
g. Assists rescue teams as a member of the team when assigned	1		
h. Identifies and retrieves correct types of rescue tools for situation	1		
i. Maintains situational awareness during skill	1		
j. Performs skill in a safe and proficient manner	1		
TOTAL POINTS:		10	

Points needed to pass: 7

Evaluator/Candidate Comments:

Instructor's Signature

Date