

Report Date: 01 Oct 2014

Summary Report for Individual Task
052-247-1327
Establish Access and Egress Openings for Light Vehicles and Small Machinery

Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the MSCOE/Ft. Leonard Wood MO foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: You are a member of an Urban Search and Rescue (US&R) team, given a light vehicle or machinery incident in varying positions, vehicle and machinery tool kit, personal protective equipment (PPE) and other US&R team members to assist. This task should not be trained in MOPP 4.

Standard: Create access and egress openings ensuring that the movement of rescuers and equipment compliments victim care and removal. The technique chosen is expedient, victim and rescuer protection is afforded, and vehicle stability is maintained.

Special Condition: None

Safety Risk: Medium

MOPP 4: Never

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: All required references and technical manuals will be provided by the local US&R command.

Notes: US&R activities are collective in nature, however, each individual US&R member must be able to complete all steps individually during the task at some point.

Performance Steps

1. Stabilize the vehicle(s)/machinery. (See task 052-247-1326)
2. Determine the access and egress points of vehicle(s)/machinery.
 - a. Determine entry and exit points.
 - b. Identify the victim's location(s).
 - c. Identify the equipment needed.
 - d. Ensure entry and exit points do not compromise stability of vehicle(s)/machinery.
3. Determine an emergency escape route.
4. Provide for victim's care and protection.
 - a. Reassure the victim.
 - b. Place blanket or tarp over victim for protection.
5. Create the opening(s).
 - a. Try existing entry points prior to creating openings.
 - b. Remove a door with hydraulic spreaders.
 - (1) Create a purchase point above the door lock using a prying tool.

CAUTION

When removing the door, ensure a rescuer maintains control of the door using a strap to prevent the door from striking anyone.

- (2) Insert the tips of the spreader slightly above the door lock (purchase point), at a downward angle ensuring the tips push the door outward and toward the ground.
 - (3) Operate the spreader arms until the door opens.

Note: Force the door down and away from victims and rescue personnel to prevent injuries.
 - (4) Insert the tips of the spreader beside the top hinge and open spreader until the first hinge fails or can be cut.
 - (5) Reposition the tool and repeat the spreading process to break the bottom hinge.
- c. Remove the windshields/windows.
 - (1) Remove tempered glass.
 - (a) Place a center punch in the lower corner of the window.

(b) Break the window with the center punch.

Note: Brace the hand holding the center punch with the opposite hand to prevent pushing the punch through the broken glass.

(c) Clear the remaining glass from the window opening.

(2) Remove laminated glass.

(a) Create an access hole at the top center of the windshield using a glass-cutting saw.

(b) Cut from the middle hole to one side along the top of the window.

(c) Repeat cutting the top to the other side of the vehicle.

(d) Create an access hole at the bottom center of the windshield using a glass-cutting saw.

(e) Cut from the middle hole to one side along the bottom of the window.

(f) Repeat cutting the bottom to the other side of the vehicle.

(g) Cut each side of the windshield from top to bottom.

(h) Remove the glass.

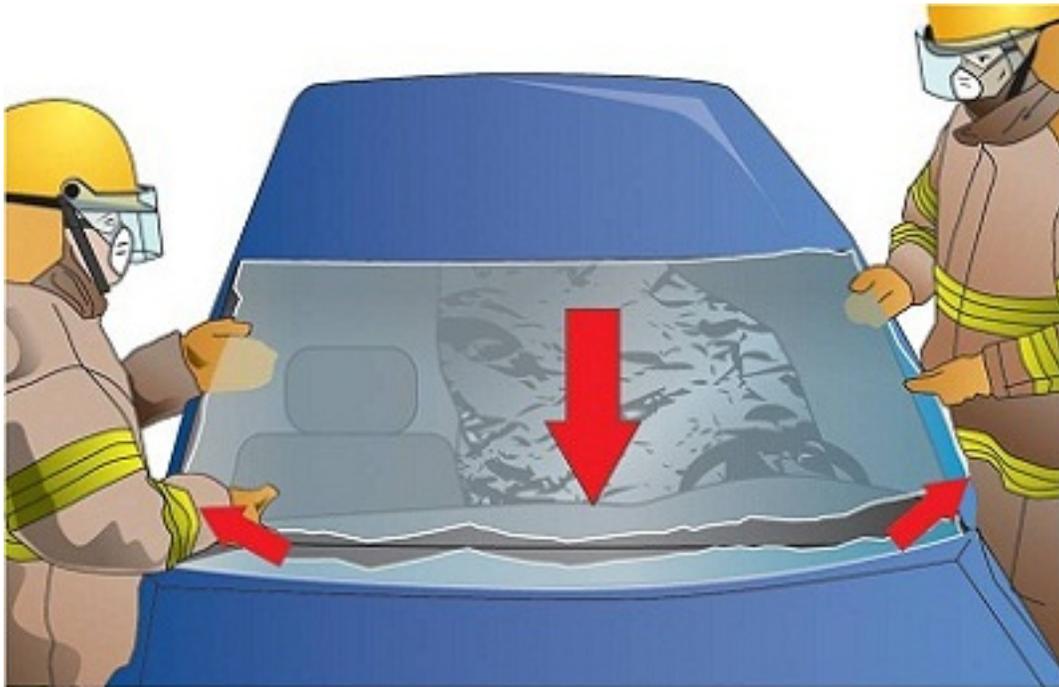


Figure 052-247-1327-1
Laminated Glass

d. Remove the roof.

(1) Remove the roof of a vehicle in the upright position.

(a) Remove the entire roof.

1 Remove all the glass.

2 Assign personnel to support the roof while the posts are being cut.

3 Cut the post furthest from the victim.

4 Cut the next two posts furthest from the victim without cutting into seat belt pretensioners or any side air bag inflation cylinders.

5 Cut the post closest to the victim.

6 Lift the roof clear and set it aside.

(b) Flapping the roof.

1 Cut front posts, seat belts and bottom of windshield.

2 Make a small cut on each side of the roof just slightly ahead of the rear posts with a cutting tool.

3 Create a crease between the two small cuts by pushing up on the roof front and pushing down between the cuts (bending points).

Note: Use long objects such as pike poles or backboards when performing this step.

4 Fold the roof back using a pike pole or backboard.

5 Secure the roof down with ropes, chains or straps.

(2) Remove the roof of a vehicle on its side.

Note: The side (driver or passenger) furthest away from the ground in this situation is considered the "top".

(a) Make an entry hole at the top of roof near the front or back windshield.

Note: Entry hole location (front or rear) does not matter since the roof will be flapped toward the ground.

(b) Insert the cutting tool at this location and drive it horizontally across the top.

(c) Make the first vertical cut toward the ground once the horizontal cut is complete.

(d) Make the second vertical cut from the entry hole toward the ground.

(e) Fold the flap down to the ground and remove the head liner and any remaining roof members.



Figure 052-247-1327-2
Vehicle on Side

(f) Place padding around any jagged edges.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all measures are passed (P). Score the Soldier NO-GO if any measure is failed (F). If the student fails any measure, show him how to do it correctly.

Evaluation Preparation: Provide the Soldier with all the items listed in the conditions. Tell the Soldier to neutralize establish access and egress openings for a light vehicle and machinery incident.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Stabilized the vehicle(s)/machinery. (See task 052-247-1326)			
2. Determined the access and egress points of vehicle(s)/machinery.			
3. Determined an emergency escape route.			
4. Provided for victim's care and protection.			
5. Created the opening(s).			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ISBN-10: 1449648827	Vehicle Extrication: Levels I & II: Principles And Practice	No	No
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	Yes	Yes
	NFPA 1670	Standard on Operations and Training for Technical Search and Rescue Incidents. 2009 Edition	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful

effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1326	Stabilize Vehicles and Machinery	052 - Engineer (Individual)	Approved
052-247-3201	Supervise Rescue Operations at an Urban Search and Rescue Incident	052 - Engineer (Individual)	Approved
052-247-4101	Develop an Incident Action Plan for an Urban Search and Rescue Incident	052 - Engineer (Individual)	Analysis
052-247-3101	Perform a Size Up of an Urban Search and Rescue Incident	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1225	Construct Cribbing System(s) to Stabilize a Load	052 - Engineer (Individual)	Analysis

Supported Collective Tasks : None