

UK Advancing Professional Rescue - Lesson Guide

SUBJECT	Extrication – Space Creation – Vehicle on its wheels – Door forced opening – Hinged Door		
Aim	Essential understanding	Resources	
To force a vehicle door open. Vehicle on its wheels	<ul style="list-style-type: none"> • Application of technique • Tools required and safe operation • Impact on the casualty • Influence the vehicle has on the technique • Tool positioning and the sequence of actions 	<ul style="list-style-type: none"> • Scrap vehicle • Casualty (dummy) • Equipment: Stabilisation equipment, Combination tool or Spreader, Hand tools, Glass management kit 	
Instructor Input			
Theory	Information Gathering	Concept	Demonstration
Where can the techniques be applied and what influences the outcome?	How does the vehicle structure impact on the success of the doors removal?	What are the rescue tool requirements/consideration?	Describe/demonstrate the sequence of tool operations and actions
Application	Vehicle Knowledge	Tool Selection	Technique
<ul style="list-style-type: none"> • Vehicle on its wheels with full access to the door(s) to be opened • Space creation for initial access, immediate or emergency plans • Will support the process of creating maximum space • Beneficial for all emergency service responders • Opening of shut-lines • The structural strength of the door and Posts. Weak points - door skin • The direction of forces applied • Safety – PPE/Casualty protection • Maintaining a safe working area • Use of equipment and debris dump • Time considerations • Impact on the casualty – 	<ul style="list-style-type: none"> • Vehicle Impact Kinematics • Try before you pry – check the handles inside and out (if possible), unlock doors, use the key • Glass management – Type of glass, how it is fixed, can the window be wound down • Type of door – Sliding door, Hinged door, Gulls wing etc • Age and make of the vehicle, the influence of structural strength, does the vehicle have a 'B' pillar • Vehicle safety devices – location/type 	<p>Rescue tools:</p> <ul style="list-style-type: none"> • Dedicated spreader or Combination tool • Glass management kit • Stabilisation equipment <p>Tool consideration:</p> <ul style="list-style-type: none"> • Position/type of operation • The angle of the tools • Opening of shut-lines • Relative structural strengths • Avoidance of hazards and obstruction 	<ul style="list-style-type: none"> • Vehicle preparation - Glass, Stability, Shut-lines • Try before you pry • Combination tool or spreader • Access above the latch • Use the window frame to gain access, unless access is available due to impact damage • Observe metal – try to prevent failure • Work the tool – Open, close, relocate • Once just above the latch open until failure. Relocate if metal fails around the latch • On failure open the door and cut check strap • Hyperextend the opening and secure the door • Ensure casualty protection • Protect sharp edges

Noise, time, exposure to the environment			
Delegate understanding			
<ul style="list-style-type: none"> • Application and sequence of actions • Key considerations • Points of safety • Impact on the casualty • Equipment requirements 	<ul style="list-style-type: none"> • Be able to analyse vehicle structural factors and respond accordingly • Plan location of tool operation and purchase points • Identify safety devices and mitigate the risk 	<ul style="list-style-type: none"> • Formulate a sequence of tool operation • Apply effective, safe use of tools • Recognise limitations • Demonstrate a successful outcome 	<ul style="list-style-type: none"> • Appropriate vehicle preparation • Identify and select appropriate tools • Demonstrate the safe and correct use of tools • Appropriate tool selection and recognise the limitation of tools • The correct sequence of tool operation • Successful completion of the technique