

# UKRO Advancing Professional Rescue - Lesson Guide

<b>SUBJECT</b>	Extrication – Space Creation - Dashboard Lift		
<b>Aim</b>	<b>Essential understanding</b>	<b>Resources</b>	
Dashboard displacement – Lift (Dashboard lift)	<ul style="list-style-type: none"> <li>• Application of technique</li> <li>• Tools required and safe operation</li> <li>• Impact on the casualty</li> <li>• Influence the vehicle has on the technique</li> <li>• Tool positioning and the sequence of actions</li> </ul>	<ul style="list-style-type: none"> <li>• Scrap vehicle</li> <li>• Casualty (dummy)</li> <li>• Equipment: Stabilisation equipment, Hydraulic Cutter and Spreader, Hand tools, Glass management kit</li> </ul>	
<b>Instructor Input</b>			
<b>Theory</b>	<b>Information Gathering</b>	<b>Concept</b>	<b>Demonstration</b>
Where can the techniques be applied and what influences the outcome?	How does the vehicles structure impact on the success of the lift?	What are the rescue tool requirements/consideration?	Describe/demonstrate the sequence of tool operations and actions
<b>Application</b>	<b>Vehicle Knowledge</b>	<b>Tool Selection</b>	<b>Technique</b>
<ul style="list-style-type: none"> <li>• Entrapment – Dashboard or Steering wheel</li> <li>• Lift v Roll</li> <li>• Safety – PPE/Casualty protection</li> <li>• Maintaining a safe working area</li> <li>• Use of equipment and part dumps</li> <li>• Surrounding obstruction</li> <li>• Impact on other techniques, i.e. Roof removal</li> <li>• Benefits – Release entrapment, creates space</li> <li>• Disadvantage – Vehicle construction, access to tools, time</li> </ul>	<ul style="list-style-type: none"> <li>• Structural strength and size of the 'A' post</li> <li>• Front chassis structure and suspension positioning – viability of a cut</li> <li>• Influence of dash stabiliser bars</li> <li>• The impact of related components - Floor pan, bulkhead</li> <li>• Vehicle hazards – safety systems</li> </ul>	<p>Rescue tools:</p> <ul style="list-style-type: none"> <li>• Dedicated cutter</li> <li>• Dedicated spreader</li> <li>• Glass management kit</li> <li>• Stabilisation equipment</li> </ul> <p>Tool consideration:</p> <ul style="list-style-type: none"> <li>• Position/type of operation</li> <li>• Tip positioning</li> <li>• The angle of the tools</li> <li>• Opening shut-lines</li> <li>• Forces of the spreader</li> <li>• Impact of the spreading arc</li> <li>• Relative structural strengths</li> </ul>	<ul style="list-style-type: none"> <li>• Vehicle preparation - Glass, Stability, Peel and Reveal</li> <li>• Additional stability beneath the 'A' post</li> <li>• Cut to chassis rail, if plausible (time and access consideration)</li> <li>• Cut out a section at the base of the 'A' post, surrounding cut</li> <li>• Insert and open spreaders to support the dash</li> <li>• Cut the top of the 'A' post</li> <li>• Observe the impact on the casualty</li> <li>• Lift the dash</li> <li>• Protect sharp edges</li> </ul>
<b>Delegate understanding</b>			
<ul style="list-style-type: none"> <li>• Application and sequence of actions</li> <li>• Key considerations</li> <li>• Points of safety</li> <li>• Impact on the casualty</li> </ul>	<ul style="list-style-type: none"> <li>• Be able to analyse vehicle structural factors and respond accordingly</li> <li>• Identify suitability of the technique</li> </ul>	<ul style="list-style-type: none"> <li>• Formulate a sequence of tool operation</li> <li>• Apply effective, safe use of tools</li> <li>• Recognise limitations</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and select appropriate tools</li> <li>• Demonstrate the safe and correct use of tools</li> <li>• Recognise limitation of tools</li> </ul>

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<ul style="list-style-type: none"><li>• Equipment requirements</li><li>• List advantages / disadvantages</li></ul>	<ul style="list-style-type: none"><li>• Plan location of tool operations and purchase points</li></ul>	<ul style="list-style-type: none"><li>• Demonstrate a successful outcome</li></ul>	<ul style="list-style-type: none"><li>• Illustrate an understanding of relative strengths</li></ul>
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