



Advancing Professional Rescue Lesson Guide

SUBJECT	Extrication – Space Creation - Dashboard Roll		
Aim	Essential understanding	Resources	
Dashboard displacement – Roll (Dashboard Roll)	<ul style="list-style-type: none"> • Application of technique • Tools required and safe operation • Impact on the casualty • Influence the vehicle has on the method • Tool positioning and the sequence of actions 	<ul style="list-style-type: none"> • Scrap vehicle • Casualty (dummy) • Equipment: Stabilisation equipment, Hydraulic Cutter and Spreader, Sill-Support, Hand tools, Glass management 	
Instructor Input			
Application	Information Gathering	Concept	Demonstration
It what circumstances is the technique appropriate?	How does the vehicles structure impact on the success of the lift?	What are the rescue tool requirements/influences?	Describe/demonstrate the sequence of tool operations and actions
Theory	Vehicle Knowledge	Tool Selection	Technique
<ul style="list-style-type: none"> • Entrapment – Dashboard or Steering wheel • Lift v Roll • Safety – PPE/Casualty protection • Maintaining a safe working area • Use of equipment and part dumps • Surrounding obstruction • Impact on other techniques, i.e. Roof removal • Benefits – Release entrapment, creates space • Disadvantage – Vehicle construction, access to tools, time 	<ul style="list-style-type: none"> • Structural strength in the ‘A’ post • Width and depth of the base of the ‘A’ post • Front chassis structure and influence • Influence of dash stabiliser bars • The structural strength of other related components 	<p>Rescue tools:</p> <ul style="list-style-type: none"> • Dedicated cutter • Ram • Sill support • Glass management kit <p>Tool considerations:</p> <ul style="list-style-type: none"> • Tool positioning • Forces of the ram • Opening shut-lines • The viability of using a combi tool • Relative structural strengths • Position/type of operation 	<ul style="list-style-type: none"> • Vehicle preparation Glass, Stability, Peel and Reveal • Add stability beneath the ‘B’ post • Insert the ram to support the load • Consider making a cut to the front chassis rail • Make a penetrating cut at the base of the ‘A’ post • Make top ‘A’ post cut • Observe the impact on the casualty • Extend the ram • Roll the dash to release the casualty • Protect sharp edges
Delegate understanding			
<ul style="list-style-type: none"> • Application and sequence of actions • Key considerations • Points of safety 	<ul style="list-style-type: none"> • Analyse vehicle structural factors • Identify suitability of the technique 	<ul style="list-style-type: none"> • Identify and select appropriate tools • Demonstrate the safe and correct use of tools 	<ul style="list-style-type: none"> • Formulate a sequence of tool operation • Apply effective, safe use of tools



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<ul style="list-style-type: none">• Impact on the casualty• Equipment requirements• Advantages / disadvantages	<ul style="list-style-type: none">• Plan location of tool operations and purchase points	<ul style="list-style-type: none">• Recognise limitation of tools Illustrate an understanding of relative strengths	<ul style="list-style-type: none">• Recognise limitations• Demonstrate a successful outcome
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