

UK Advancing Professional Rescue - Lesson Guide

SUBJECT	Extrication – Space Creation – Rear Seat removal		
Aim	Essential understanding	Resources	
To remove or displace that back of the rear seat to create internal space or provide an extrication pathway.	<ul style="list-style-type: none"> • Application of techniques • 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, Hydraulic Cutter, Combination tool or Spreader, Hand tools, Socket set 	
Instructor Input			
Theory	Information Gathering	Concept	Demonstration
When is it appropriate to use the technique and what influences the outcome?	How do the vehicle and seat structure impact on the success of the roof 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"> • Increase Internal Space <ul style="list-style-type: none"> ○ Remove seat base to allow the seat back to fold flat ○ Split seats ○ Spreading seats ○ Removal • Type of vehicle. Impact of a Saloon • May be required to provide a pathway for immediate, emergency or full plans to be effective • Will support the process of creating internal and maximum space • The structural design of the seat • Safety – PPE/Casualty protection • Impact on the casualty – Seat movement • Time consideration • Casualties injuries 	<ul style="list-style-type: none"> • Seat design • Seat mechanism • Types of operation – Electric / manual • Impact of vehicle damage on seat operation – floor pan deformation, side impact • Vehicle position • Vehicle safety devices -Seat-mounted airbags • Seat mountings; Type, accessibility and how they are secured 	<p>Rescue tools:</p> <ul style="list-style-type: none"> • Dedicated cutter • Dedicated Spreader • Combination tool • Hand tools • Socket set <p>Tool consideration:</p> <ul style="list-style-type: none"> • Position/type of operation • Tool access • The angle of the tools • Relative structural strengths • Impact of high strength steels – high impact steel (seat brackets) • Avoidance of hazards and obstruction – Airbags, seatbelt pre-tensioners 	<ul style="list-style-type: none"> • Inspect seat mechanism for damage and operation • Try before you pry <ul style="list-style-type: none"> ○ Identify the operating mechanism ○ Check seat operation, slide the seat forward, backwards or release(if possible) • Consider the best approach based on accident damage and the needs of the casualty • Seat back displacement – Consideration for immediate extrication or restricted access when the vehicle is on its side or roof <ul style="list-style-type: none"> ○ Dedicated Spreader ○ Provide suitable protection for the casualty ○ Remove the headrest (if possible) ○ Rest the tips on the top of the seat back and open the

			<p>spreaders forcing the seatback backwards</p> <ul style="list-style-type: none"> • Seat back removal – Consideration to support any extrication plan where suitable access is available • Establish the most appropriate means of dethatching the seat mounting brackets: Unbolt, spread or cut • Hard protection between the tool and casualty • Protect sharp edges
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 • Proper tool selection and recognise the limitation of tools • The correct sequence of tool operation • Successful completion of the technique