

UKRO Advancing Professional Rescue - Lesson Guide

SUBJECT	Extrication – Space Creation – Glass Management		
Aim	Essential understanding	Resources	
Glass removal or breakage and control of the subsequent glass fragments and particles	<ul style="list-style-type: none"> Different types of glass Identification Methods of removal Hazards and safe systems of work 	<ul style="list-style-type: none"> Scrap vehicle Glass management kit Glass punch 	
Instructor Input			
Theory	Information Gathering	Concept	Demonstration
When is necessary to remove the glass and what hazards does the glass present?	What are the different types of glass, how are they identified?	What methods are deployed to manage the glass	Describe/demonstrate the sequence of tool operations and actions
Application	Vehicle Knowledge	Tool Selection	Technique
Reason for glass management <ul style="list-style-type: none"> Control of glass broken during the collision Quick access to the vehicle Immediate and emergency extrication pathways Controlled management to support other space creation methods Hazards <ul style="list-style-type: none"> Glass dust and small particles – inhalation, cuts, penetrate wounds or tool damage 	Types of glass <ul style="list-style-type: none"> Toughened (tempered) Laminated Polycarbonate Fitting <ul style="list-style-type: none"> Bonded Sealed gasket Marking <ul style="list-style-type: none"> European monograms Roman numerals indicators 	Methods <ul style="list-style-type: none"> Avoid if practical Controlled removal Controlled breakage Toughened Glass – remove or breakages - breakage will produce granular fragments Laminated – removal is by cutting the bonding seal or cutting the glass. Glass dust will be generated Polycarbonate – Will not break, cutting is the practical option	<ul style="list-style-type: none"> Avoid – Don't manage unless necessary, wind down the side window Protection – Casualty, other responders – Shielding, covering Controlled removal – Remove seals or unbolt component to remove as a complete unit Controlled breakage – Packaxe, glass protection sheets Removal of glass particles from rubber seals Covering or removal of glass particles to protect equipment Letterbox method – vehicle on its side Protect sharp edges
Delegate understanding			
<ul style="list-style-type: none"> Describe the purpose of managing the glass List hazards Application and sequence of actions 	<ul style="list-style-type: none"> Be able to analyse vehicle and identify the types of glass and how it is fitted to the vehicle 	<ul style="list-style-type: none"> Is able to describe the various methods of managing glass and where they would be applied. Demonstrate they understand 	<ul style="list-style-type: none"> Demonstrate they can apply the various methods at the appropriate times Is able to apply safe systems of work to protect themselves and

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<ul style="list-style-type: none">• Key considerations• Points of safety• Impact on the casualty• Equipment requirements		how the different types of glass need to be managed	others
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