

## TR4-5 REAR ROLL OVER BAR HOOPS, FULL CAGES AND FIBREGLASS BACKLIGHT FRAMES

### SURRY TOP CLARIFICATION

First to clarify the correct description of Hardtops and Surrey Tops, although the general arrangement of fixed rear window with removable hard top is generally referred to as a 'Surrey Top' car, this is in fact not correct. The cloth section, which replaces the hard top is the 'Surrey Top' the rear window and frame is called the 'back light' and the hard top is self explanatory.

Revington TR have developed an ingenious new Backlight design which incorporates a roll-over bar. The Backlight frame is made from fibreglass, but uses for its strength an integral roll-over bar with two backstays. The bar fits right up inside the fibreglass frame, thus affording maximum roll over protection, along with better rear visibility than with any other roll-over bar available for use with a fixed backlight. The legs of the main hoop extend to the floor, whilst two rear stays attach to the top of the rear wheel arches.

**THE REAR HOOP IS CAREFULLY SHAPED SO THAT IT FITS INSIDE THE 'U' SECTION OF THE BACKLIGHT FRAME**

### ARRANGEMENTS

There are three ways the system can be used:-

1. FULL CAGE with *lightweight* fibreglass backlight.
2. REAR HOOP only with two backstays and lightweight fibreglass backlight.
3. NORMAL WEIGHT FIBREGLASS BACKLIGHT which is self supporting, needing no roll over bar.

**NOTE:** this arrangement is strong, but not as strong as the aluminium original casting, and nowhere near as strong or safe as the lightweight part with either the cage or the rear hoop.

### FULL CAGE

The system has been designed to 'hug' the shell and backlight frame as close as possible and is attached to the body and chassis in multiple places for maximum rigidity.

The full cage system consists of the following:

1. Front hoop, over windscreen attached to chassis and 'A' post. This incorporates roof bars.
2. Rear hoop with back stays mounted to a support plate on the vertical face of each rear wheelarch forward of the tank.
3. From here two support tubes pass down the side of the tank to the boot floor.
4. These are connected via two more support tubes down on to the top surface of the chassis just forward of the rear shackle mounting.
5. The rear hoop has bracket attaching it to the 'B' post.
6. The rear hoop can either have a fixed or removable diagonal.
7. Two door bars extend from the rear hoop to the front hoop completing the total cage assembly.

The fibreglass backlight assembly replaces the original cast aluminium product, is very light and gains its rigidity from the rear hoop, to which it is bolted.

As the backlight is a facsimile of the cast aluminium original, both glass and Perspex rear screens can be used.

The parts required are:-

RTR9177-1R	Full Cage 10 piece plus all fittings, doubler plates etc. Right Hand Drive
RTR9177-1L	Full Cage as RTR9177-1R for Left Hand Drive
RTR7153LW	Backlight Frame Lightweight Fibreglass
902343	Glass screen
	OR
RTR7123SW	Perspex Screen. A light weight version for racing is also available.
903979FG	Fibreglass Roof Panel bare
903979AL	Aluminium Roof Panel Bare

Fitting kits are recommended on the website against each part number

### **REAR HOOP**

The lightweight backlight frame can also be used with a simple rear hoop, snugly fitting into the frame, for road use.

Unlike the full cage, the back stays for this arrangement land on the top of the wheelarch thus affording maximum cockpit space.

In all cases the rear hoop main legs extend to the floor and bolt to the chassis (TR4) or just behind in the case of TR4A-6.

RTR9148-1 series TR4-6 Rear hoop and back stays

RTR9148-2 series TR4-6 Rear hoop and backstays with fixed diagonal

RTR9148-3 series TR4-6 Rear hoop and backstays with removable diagonal

With this arrangement we offer kits of parts which complement the basic frame and roll over bars.

RTR7172G Kit of parts to fit up detachable backlight including a glass rear screen

RTR7172F Kit of parts to fit up detachable backlight including a perspex rear screen

566330 Surrey top kit black vinyl including frames etc.

Please ask for a quote for colours and different materials.

RTR7173K Roof panel kit aluminium including headlining and fittings.

903979FG Roof panel fibreglass. Untrimmed.

### **FREE STANDING BACKLIGHT**

Replaces the aluminium casting and when trimmed will be indistinguishable from an original aluminium casting other than a slight amount of flex.

RTR7153 Heavyweight backlight frame only

RTR7153FK Heavyweight backlight frame kit including Perspex window and fittings

RTR7153GK Heavyweight backlight frame kit including Glass window and fittings

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