



**FITTING NOTES FOR**  
**ROLL OVER PROTECTION (ROP) IN THE FOLLOWING PART NUMBER SERIES.**  
**RTR9047, RTR9053 RTR9148 and RTR9177**

**IMPORTANT NOTE:**

A rollover bar or full cage **must not** be fitted to any car with significant rusting of the bodyshell near where the bar will be bolted down. For the main bar this applies to the rear wheel arches, base of door pillars and adjacent floor and to the floor toe-board near the front door pillars for the front cage. Further, if the vehicle has ever suffered any accident damage, the bodyshell may be distorted which may give rise to difficulties fitting the ROP. It is always more appropriate to straighten the car than modify the bars!

These notes are not intended as detailed fitting instructions rather, they are intended to give general assistance as the ROP's will generally only fit in one ideal location. RTR9148 and RTR9177 series ROP's when bought with our fibreglass backlight frame as a kit, come with a specific instruction sheet covering installation.

Please read these notes all the way through before starting, since the order of work is important.

**Fitting Notes:**

1. Unwrap the bar and check the fitting kit.
2. Remove from the car: - Front seats  
Carpets, underfelt, trim etc., to bare metal floor/wheel arches  
Rear seat cushion.  
Seat belts, if necessary.

The ROP must not be fitted on top of carpets, underfelt or other trim - it must bolt directly onto the body metal. Carpet and underfelt can be trimmed around the bar later.

3. With an assistant, if necessary, place the rear hoop inside the cockpit of the car so that it sits on its four feet. Since the rear hoop legs are set as wide apart as possible; these tend to be a tight fit between the door pillars or wheel arches. The next stage, therefore, needs care to ease the bar to an upright position and at the same time move it rearwards. It should finish up standing with the rear hoop approximately upright and the backstay feet on the rear wheel arches or rear seat floor depending on which bar you have. It may be necessary to use a ratchet strap around the legs of the hoop to bring the legs closer to one another to ease positioning without damaging the interior trim.
4. If a front hoop of a full cage is also to be fitted, this must be done before proceeding further. With the rear hoop now sitting approximately in its correct location, for the front hoop legs to be in the right position, tilt the rear hoop back slightly and fit the door bars and roof bars jiggling everything about for best fit.

**Do not attempt to do any assembly work with the bar or front cage outside the car. Do not tighten the bolts.**

5. If the ROP is to be used for competition where FIA regulations apply (primarily RTR9177), the next step is to fit and weld the reinforcing plates to the bodyshell to which the feet of the main hoops and backstays will be bolted. With the backstay feet sitting squarely on the rear wheel arches and held down onto them, place a reinforcing plate under each front main bar foot and bolt the two together. Weld in place. In the case of RTR9177 ROP further brackets will be welded on as assembly progresses. RTR9148 does require some welding. The B post brackets need to be welded to the inside back of the B post. Position the bracket by bolting to the rear hoop using two or three washers between the two parts to allow space for trim if trim is to be refitted ( with spacers so that the rear hoop is attached directly to these brackets). This process applies to RTR9177 too.
6. The fitting kits with RTR9053 series ROP's include two narrow spacer plates. These go between the two feet and the rear deck

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where the pressings in the floor would be crushed otherwise.

7. Drill through (10mm drill) the holes in the feet into the floor or wheel arch.
8. Paint all drilled holes to avoid corrosion before offering up a backing plate under each wheel arch or floor, and securing with the nuts, washers and screws to tighten down the main hoop and backstays. The feet of the rear hoops of RTR9148 and RTR9177 are designed to fit to the chassis mounting on TR4. For TR4A-6 nut plates are provided.
9. Full Cage. In some cases, it is necessary to re-site the mirror and sun visors onto the front cross brace with clips **do not drill the cage**.  
RTR9177 front cross brace had 4 pads welded on to accept Mini type sun visors.
10. Finally, replace the seats and trim, which you removed at the start.

**DO NOT DRILL HOLES IN YOUR ROP**

Revington TR ROP's are an integrated design structure, therefore any alteration to the assembly by welding, repositioning, removal or addition of fittings, incorrect fitment to vehicle or use or assembly other than its design purpose, releases the producer from any and all responsibility in the event of performance failure of these goods.

Remember: A 'ROP' is no substitute for careful and considered driving.

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