



Porsche 911 – Short to Long Bonnet Conversion

Backdating Impact Bumper Porsche 911s is still relatively commonplace and there are still several methods used which have different advantages/disadvantages. These are:

1. Fit a new or good used Long bonnet – this is relatively costly and also means that the cross panel which also forms the slam panel needs to be changed adding further cost. A new bonnet catch would also be needed.
2. Fit a fibreglass Long Bonnet and also change the front cross panel. This saves some cost but also means that the air springs that open the bonnet need to be deleted as the spring force generated often causes the lightweight bonnet to bow upwards when latched. Deleting the springs means an alternative bonnet prop is required.
3. Fit a fibreglass Long Bonnet with a Short Bonnet Inner Frame. This will fit to an IB slam panel and will reduce cost. These Long/Short Bonnets are often poorly finished and the bonnet extension is usually a single skin of fibreglass. Fitting this type of bonnet also means that there is a 'gap' between the front cross panel and the RS Style bumper normally fitted as part of this conversion

The alternative is to adapt the existing Impact Bumper Short Bonnet by adding a steel extension and retaining the existing cross panel. By adapting the standard bonnet and adding a 'filler panel' to close the resulting gap excellent results can be achieved allowing the use of the standard air springs and the fit and finish quality of a steel panel.

We have manufactured the relevant panels and these instructions provide a method to enable the conversion to be carried out.

Fitting these panels requires the use of welding, grinding and cutting equipment and we strongly recommend that all relevant safety equipment is worn and that adequate precautions are taken whilst carrying out this work



The first stage requires the removal of original paint form the region where the bonnet extension will be fitted.



The next step is to fold over the flange on the inside of the bonnet



We use a pair of modified pincers to carry out this task.

This process requires some skill and a little patience but does produce a good result.



The flange needs to be folded over by 180° so it forms a 'joddled' edge.



Once this edge has been formed drill 4 small holes to allow the bonnet extension panel to be fitted.

The bonnet extension panel can then be fitted into place



To install this panel measure from the top corner to the folded edge of the extension - - 1345mm and check both sides.



Clamp the extension panel onto the bonnet using Mole or G clamps and fit the extension using 4 x self Tapping screws positions into the holes previously drilled into the joddled edge.



The bonnet can now be trial fitted to the car and any small adjustments made.





Once the fit is acceptable mark a line on the inside of the panel and apply masking tape to the extension panel.



Mark out a line approximately 10mm from the initial line marked on the panel as this will create the overlap with the joddled edge. Cut the extension panel to the correct length – we would suggest using an angle grinder with a 1mm disc - use eye protection during this cutting operation.

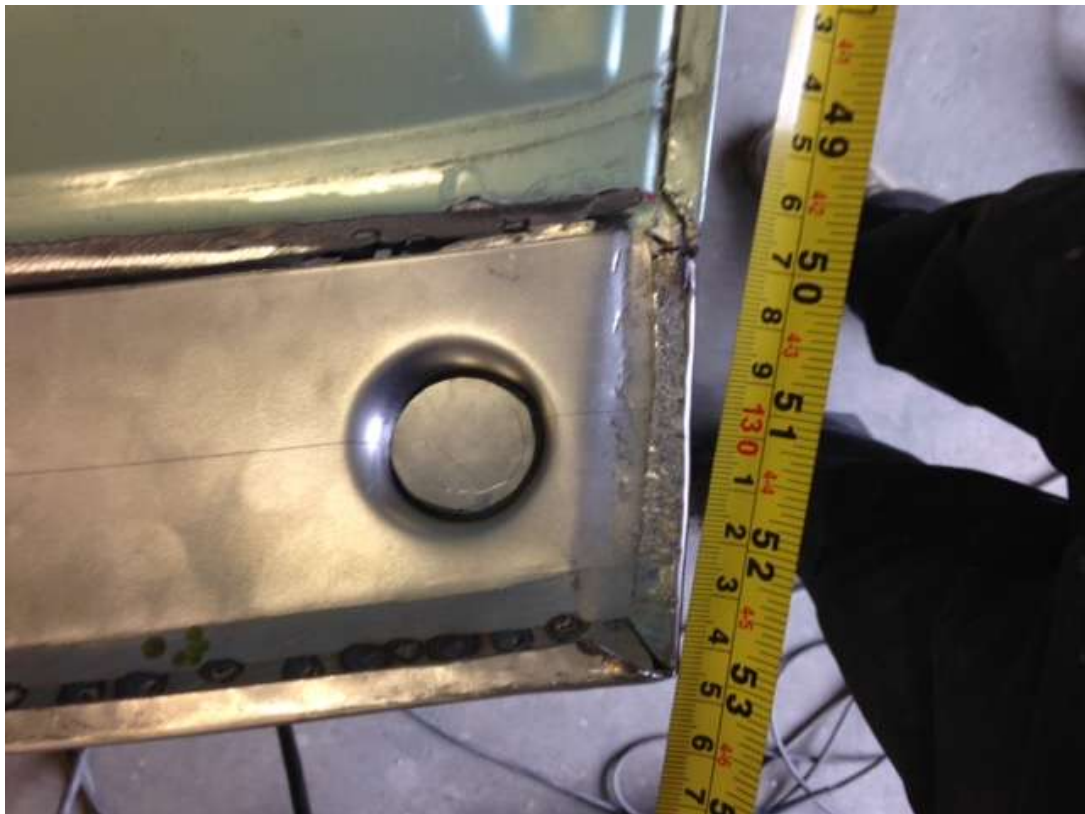


Tack the shortened extension into place – re-check lengths and if possible, re-check fit on bodyshell.



and if possible, re-check fit on bodyshell and if correct weld the extension flange into place and dress the welds.

The next step is to fit the inner panel which supports the extension and enhances the appearance of the converted bonnet.



The edges can then be folded over and the position of the inner panels secured. Care must be taken when welding the 'top' edge of the inner panel to the frame of the bonnet as this section is foam filled.



The bonnet can then be prepared for paint.

We would suggest sealing the inner panel joints with a good quality PU Sealant and the outer welded joint with a metal loaded filler such as UPoID.

The job can then be completed using a Cross-panel to Bumper Filler panel which we also can supply.

This extension panel has been manufactured to an oversize to allow its use as a repair section for corroded long Bonnets.



