

## **Build your own Sports Car on a Budget.**

### **Book Amendments**

**1. Page 30/31** Add 1mm steel sheet, 5mm and 10mm plate along with 65mm long, 5 inch external diameter pipe. Also add 28 mm external x 22mm internal tube for the pedal pivots.

**2. Page 37** Text

"Note that U3 and U6 are aligned **square with either end of tube BR10**"

*Should read*

"Note that U3 and U6 are aligned **with the outside of tubes BR3 and BR4 respectively**"

This is why the outside lip of the upright section of the pedal box is angled at 20 degrees.

**2a Page 39** Text

"U1 and U2 should be fixed next, noting that they are placed square to rail BR7 at the bottom. The top **rear** corner is aligned with the outside of the rails TR1/TR2."

*Should read*

"U1 and U2 should be fixed next, noting that they are placed square to rail BR7 at the bottom. The top **front** corner is aligned with the outside of the rails TR1/TR2."

**2b Page 47** Text "CP13 sits between the TT rails, 12mm from the bottom and **145mm** behind TT8"

*Should read*

"CP13 sits between the TT rails, 12mm from the bottom and **125mm** behind TT8"

**3. Page 51** Figure 4.30 The 90mm vertical dimension should be from the top of tube BR1 not the bottom

**4. Page 57** Figure 5.3 Two **50mm** dimensions are incorrect, they should be **47mm**.

**5. Page 57** Figure 5.4 The support frame for the front lower wishbone support frame doesn't have the vertical height dimensions.

The lower end should be 10mm high and the upper end 18.5mm

**6. Page 62** Figure 5.11 shows an angle of 78 degrees - this is incorrect it should be 82 degrees to agree with the complimentary angle of 98 degrees in figure 5.12.

**7. Page 63** Text

"The 8mm and 2mm spacers should be tacked on and the 25 x **3mm** plates are positioned as shown in figure 5.11"

*Should read*

"The 8mm and 2mm spacers should be tacked on and the 25 x **6mm** plates are positioned as shown in figure 5.11"

## 8. Rear driveshafts

It might seem obvious that you should use the Sierra driveshafts, but I forgot to mention in the book that they should be shortened by 10mm each side, If you are going to use the rear wishbones as shown in the book.

It might be easier to widen the track of the car slightly by making each upper and lower rear wishbone 10mm longer, as shown in the attached PDF drawings, enabling you to use standard driveshafts.

**9. Page 65** Figure 5.15, the space between the side of the jig and the 25 x 25mm-tube should be **73.5mm** rather than **76mm**.  $206 + 73.5 + 73.5 = 353$ .

## 10. Damper lengths

In the book we suggest 13in open, 9in closed dampers. Doing a little work on the suspension geometry, I've discovered that a one-inch extension on the top of the dampers would allow more "droop" movement, without affecting the "bump". This will give better performance on bumpy surfaces (read every road in Britain!).

The dampers would still be 13in open, 9in closed, but with a one-inch solid extension fitted to the top. Both Dampertech and Protech produce this type of damper.

**11. Page 70** Figure 5.24 shows plate RU7 as being 3mm thick – it's actually 10mm thick as shown on page 179.

**12. Page 70** Figure 5.24 NOTE ".....Rotate RU7 (add **and RU5**) through 180 degrees".

**13. Page 71** Figure 5.25 "12mm internal diameter tube, **50mm** long - ....." should read "12mm internal diameter tube, **44mm** long - ....."

**14. Page 72** Text. (2<sup>nd</sup> Paragraph)

"The main body of the upright is made from a **70mm** Long section of 5" **Internal** pipe .... "  
*Should read*

"The main body of the upright is made from a **65mm** Long section of 5" **External** pipe .... "

**15. Page 72** Figure 5.29 has the notation reversed, the holes should be aligned "horizontally" for drum brakes. Add 94mm hole centre dimension to left hand pair of holes on the left hand diagram which is actually for DISK brakes and Add 94mm hole centre dimension to top pair of holes on the right hand diagram which is actually for DRUM brakes.

**16. Page 73** Text. (Last paragraph).

"The lower wishbones need to be installed with cross brace angled from **outside front to inside rear**".

*Should read*

"The lower wishbones need to be installed with cross brace angled from **outside rear to inside front**"

**17. Page 99** Figure 8.16 TR8 has been written in twice, should be TR8 and TR9 (TR9 is the uppermost)

**18. Page 100** Figure 8.18. WS6 tag is omitted, it's the upright plate tagged "25 x 3mm steel strip", bottom left.

**19. Page 108** Figure 9.2 The hole in the brake pedal is shown as 8mm, it should be 6.5mm.

**20. Page 123** Under Section 5 – Seat Belts, the first sentence reads "In his book" it should of course read "In This book"

**21. Page 124.** Section 9. (last sentence) Text

" The minimum separation (to the inside of the lenses) is 500mm"

*Should read*

"The outside edges of the front indicator lenses have to be 400mm, or less, from the outside of the car, (outer edge of the front wings)".



