

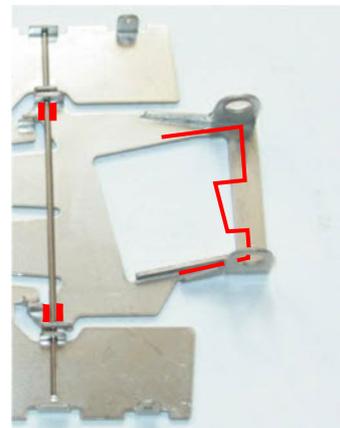
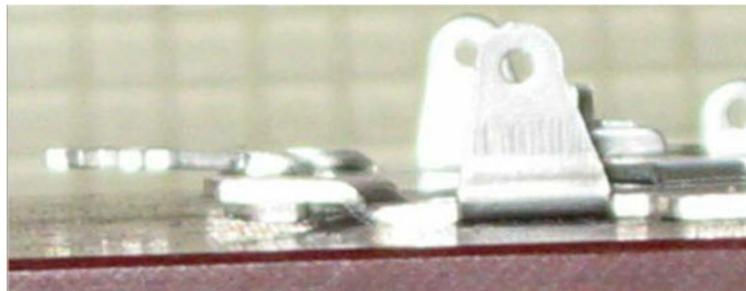
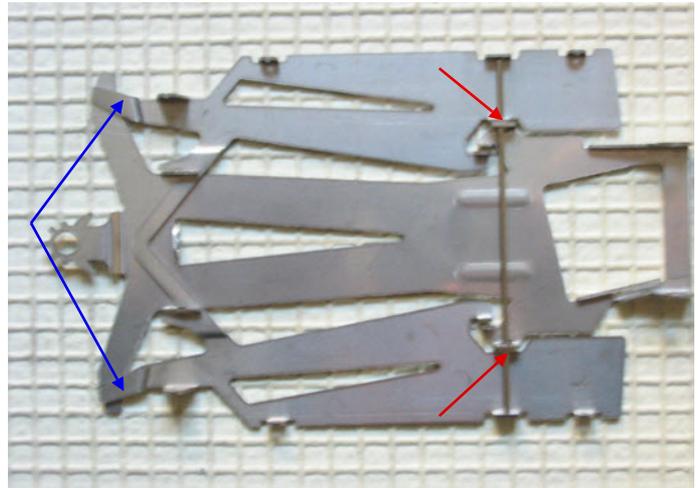
# ***Building the JK X24 / X25 Chassis***

The JK X24 & X25 are the most radical design development in 1/24 scale production car racing for European type racing for many years. Careful assembly and a good knowledge of the chassis construction is key to building this great chassis. This guide is intended to assist you in building a winner. As with all new product, this is not a definitive guide, as doubtless racing this chassis, will, in time bring forward other tweaks and go faster advise. Please feel free to contact us with any ideas you may have so we can update this guide for the benefit of other racers.

- 1) Separate the two halves of the chassis.
- 2) Remove any burring from the contact surfaces between pan and centre sections and ensure the forward underside of the front T Bar is smooth (to prevent the chassis "digging in" in the corners using 200 grit abrasive paper. Polish these edges with 500 grit + afterwards.

4) Before assembling the 2 halves, using a flat tech block, ensure the pan section is flat and also the centre section is flat. With the centre section on a block It is also best to have the Guide plate "looking up" by about 2 degrees as per the photograph below.

If your rules permit, instead of using the seperate motor brace supplied, fabricate a piano wire brace for 0.047" or 0.055" piano wire as detailed by red lines in the photograph (below right). This helps stabilise and stiffen the motor box, while also providing a good rear brace for the motor.



5) Trial fit the two sections together and using a piece of 0.047 piano wire approx 56mm long, it is possible to easily hook the two sections together to ensure the pans are sitting at the correct level,, parallel to the centre section. If the pans are a little lower than the centre section, this may be adjusted by either substituting the 0.047 wire bar for one of 0.055 or using a small piece of self adhesive lexan or such material in two small squares to elevate the cross bar slightly as shown in photo above as red squares.

Current thinking is you want minimal side play in the rear of the chassis (maximum 0.5mm), this can be adjusted by squeezing the pan slightly prior to final assembly (red arrows). Ensure the pan moves smoothly forward and back.

6) It is possible to adjust the rear pan lift by slightly bending the front pan locators which locate over the front T bar section (marked with blue arrows). Run flush to reduce pan lift , or just leave a sliding clearance between these and the T bar for less lift. Pan section should slide easily on centre section.

When you are happy with the set-up of pan and centre section, it is time to fit the 2 parts together correctly. This is really easy if you follow the next 3 photos;-

- 1) using the original cross bar or substituting it with a length of 0.047" or 0.055" piano wire, insert the wire as shown.
- 2) Flick the free end of the wire over the left side Stop as shown.
- 3) Align with holes in the opposite side and slide through.



1



2



3

You should now have a perfect chassis.

It is possible to remove and replace the cross bar as many times as required if further adjustments are necessary and due to the chassis design. Providing the above operation is done quickly with as little "bending" as possible, it is possible to repeat this operation until the ideal set up is found.

#### Final Assembly.

You will find the chassis, although a grade of Stainless Steel, is easy to solder to. Dependant on your rules you may be required to use a One Piece front axle or alternatively, just use a pin each side. Dependant on your wishes you may choose to use the leadwire retainer provided on the chassis or not. Ensure you use Jig Wheels to set up the rear axle bushings as the bushing holes in the X24 are 5mm diameter (for those wishing to run 2mm axles) so 3/16" diameter standard bushing will be a loose fit. Dependant on your choice of gearing, set rear axle height between 15mm and 15.5mm. Gearing on the car below is 8/43 72 pitch (for G12). For Falcon motors between 11/37 & 12/37 in 64 pitch, dependant on track. If rules do not permit the piano wire rear brace, Don't forget to fit the rear motor brace supplied and solder this down to the rear of the chassis.

Please note, re front wheel the X24 only has a front axle height for 1/2 tyres. The X25 has two positions for 1/2" or 5/8" diameter.



Note;- When fitting S16 motors to this chassis, the Proslot S16d and the majority of other makes will fit inside the motor box with careful alignment. A special centre section with an "unfolded" can end to the motor bracket is available for older types of set up where the motor may be mounted on top of the chassis.