Kit Review

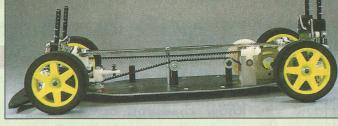
he Yokomo YR-4 is a 1/10th scale, electric powered, four wheel drive circuit racer designed around the successful Yokomo off road buggy. The car is similar in proportions to the TAMIYA range of scale saloon cars (such as the BMW M3 or ESCORT

COSWORTH) but is designed more Japanese. Jason Varley of CML as an out and out racer rather than a recreational vehicle. It is virtually fully ballraced and is designed for use with an electronic speed controller.

Construction

The kit comes in a small but colourful box whose proportions reminded me more of an oversized computer game rather than a high tech radio control model kit. The reason for this tiny package becomes evidently clear as soon as you open it as there is no bodyshell included in the kit. Unfortunately, being this is a scale saloon racer there isn't many bodyshells available to fit it. I assume that the TAMIYA bodykits from their saloon cars will fit although the popular after market body manufacturers such as PARMA and FREWER tend to concentrate on the 1/10th scale buggy saloon bodyshells which are a lot wider and therefore won't fit the YR-4. Actually, the UK Parma sales agents (Helger Racing) have just received the first samples of the new Parma BMW 325i scale saloon bodyshell which will fit the YR-4. Yokomo also do two bodies (according to their leaflet) but no part numbers are given but it is worth checking what is available beforehand.

The rest of the kit is packaged so that you only have to open one bag at a time. All the relevant screws for that assembly are contained within that one bag. This really is a good idea which more and more manufacturers are adopting because it makes the worktop less cluttered and makes the assembly quicker and easier. The only problem I had with the instructions was that they were in



Most of the YR-4 comes from the World Championship winning off road car.



compartment which fits across the lower chassis plate. Two belt tensioners in the form of phosphor allows the front belt, when all is completed, to run above and clear • the nicad compartment. The bushes an be replaced with ball races if

required. The gearbox housings are next and should be familiar to anybody who has built a Yokomo buggy in the past three years. These are cast from an aluminium/ magnesium alloy which makes them very light yet strong. In the past, I have seen front gearbox housings break on the Yokomo buggies but this is more probably due • to the lack of a

proportionally

Distribution who import the kit

informed me that they are currently

• that they would be here before this

Construction begins with a nicad

review went to press. Having said

 that, the diagrams were easy to follow and I managed to assemble

sized front bumper than anything bronze bushes are assembled which else. No such problems in this kit however as a large skid plate style • front bumper is included which everything

covers almost except the outer edges of

• the wheels. The steering assembly is

Yokomo's YR-4 is

 buggy and is a double bellcrank • transverse linkage with an in-built servo saver which is adjustable. The track rods are very simple to build as • they are little more than long grub

> allen key and they plastic ball joints. The

easily tap into the instructions do have full sized diagrams for all the track rod lengths and these are an accurate guide to

Tiny dampers give the YR-4 just the right amount of suspen

screws. They have a hexagonal recess in one end for an



Next up is the drive system. This · comprises of a layshaft with the spur gear and integral front drive pulley and two ball diffs which are identical. I must admit that I thought it was strange that the excellent Yokomo slipper clutch/one way pulley layshaft was omitted in favour of the old direct drive layshaft. I would assume that this was done purely to keep costs to a minimum as it is an accessory which can be directly

The differential units are nothing new and have been lifted straight from the buggy kits. The only difference is that you only fit six balls into each diff and not the customary • twelve balls.

The diffs are 'top loading' which means that they are dropped into • the gearbox housings and a top • plate is fitted to keep them in situ. This has always been a Yokomo strong point as it enables • maintenance time to be kept to a minimum as the diffs are easily accessible. By this stage, the car is beginning to take shape and the addition of the chassis top deck makes the central section complete.

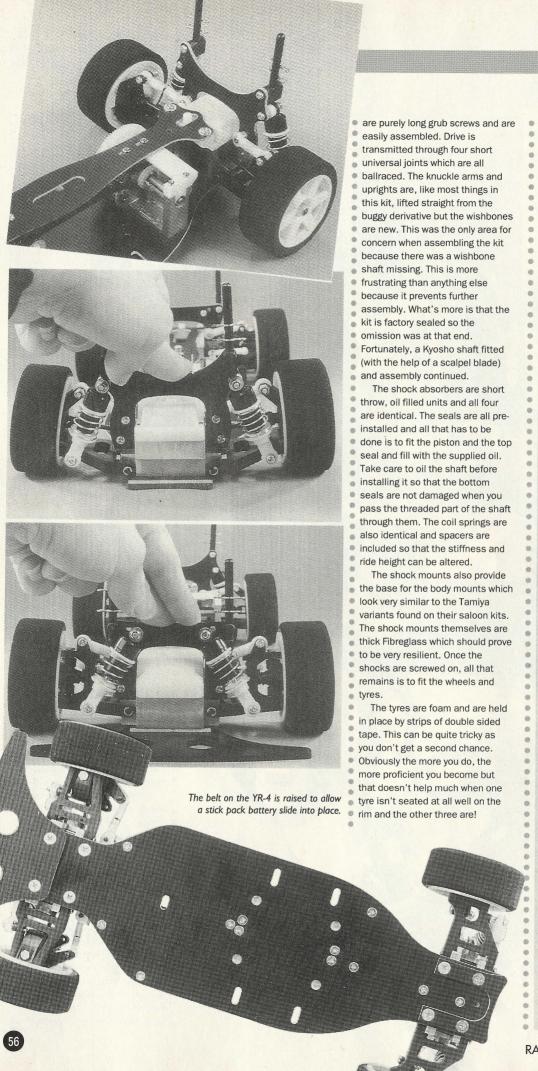
The suspension setup is the next assembly to be tackled and this is also virtually the same as the buggy setup – albeit with very short wishbones and shock absorbers.Once again, the trackrods



designed to be a real race car. The car will

MARCH 1994





Conclusions

All in all, as an assembly exercise, the YR-4 is good. Minor points such as the missing suspension shaft are frustrating but can be overcome. Everything fits well without being sloppy. As most of the kit seems to have been lifted straight from the Yokomo buggy, there is an existing extensive spares base which is always a bonus point when considering purchasing a new car. Having said that, there is nothing innovative in this car (except for its concept) and the short wishbones seem to have done strange things to the camber change and suspension geometry.

The one slightly worrying aspect of this type of kit is that there doesn't appear to be a ready made market for it certainly not at this time. It will appeal to the racing fraternity who want to race on road scale saloons - much like the Tamiya class, but I very much doubt whether it will be allowed to run with the Tamiya cars in the national saloon series. If it can, then I believe that it will be very competitive but somehow, I can't see that happening right away. What will encourage more people to buy this is if there is a class of racing for it. after all, it is designed as an out and out racer. Perhaps CML will take the lead and run some form of series for it? Perhaps other manufacturers such as Kyosho and Schumacher could quickly produce a set of short wishbones and minor other changes to provide other scale saloon cars and then a normal series with many manufacturers could take place. If that were to happen, then I would certainly entertain running a YR-4 because of its overall simplicity and design but, until that happens, my verdict has got to be; Good Car but where's the market?

If you want to have a go and feel that the Yokomo YR-4 is what you want, then give Jason Varley at CML Distribution a quick call to find out more about the kit and any other Yokomo products.