

casing, so when Nicely machined diff locked together casing with straight they become cut gears. perfectly sealed units. The crown wheel and pinion gears are conical thus making for a good mesh. To adjust the mesh, the kit comes with four brass shims which can be fitted between



the The crown wheel differential casing mounted on the fine completed diff.

adjustment. In the instruction manual with my kit there was no mention of this, but I found that one shim was sufficient for getting the backlash just right. The output cups from the differentials are grub screwed to the shafts, so a dab of good quality

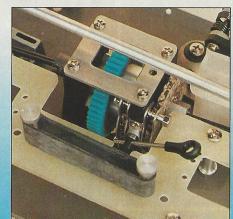
The latest 1/8 Rallycross car from Eltham Models is reviewed by Kevin Griffin.

The Super Pirate M4

eave to, me hearties —ye're about to be boarded by a new Pirate! What's more, boarded by a new Firate: What it's the all-new Super Pirate M4!

Well, let's not waste any time talking about the pretty box it comes in and how well packaged it is, let's get down to basics. You know me lads, there's nothing I like better than talking basics! What are the main differences between the old Pirate and the new? Well, the list is as long as Long John's wooden leg. See for yourself.

- 1) New, longer chassis.
- 2) New wishbones.
- 3) New tank. 4) Side quards.
- 5) Double brakes.
- 6 New shocks and shock towers.
- 7) New bodyshell.
- 8) Strengthening rod.
- 9) New wheels
- 10) New anti-roll bar.
- 11) New steering tie rod. 12) New aluminium diff casings.



The fibreglass radio plate makes installation easier.

The kit's components are packaged in the usual

threadlock must be applied here. Personally, I would use the Locktite Green variety, sometimes referred to as stud and bearing lock. It is the strongest and, once the grub screws are tightened, will not come loose.

The next job to do is to hang the suspension arms on to the diff casings, then the shocks. Again, these are new and are of a larger volume than the earlier variety. One or two features to mention here are, firstly, the adjuster on the shock for the spring is of the threaded variety,





fitted with a single disc that was mounted onto adhesion, then all braking effect would be lost the other makes of Rallycross cars —one disc braking on the centre diff, which in effect brakes on the output shaft to the front gearbox, thus we have four wheel braking.

option.

At the rear of the car, to compliment the new shock absorbers comes a new anti-roll bar, neatly

the centre diff, which meant that it would brake standard alloy item. This allows for easier on all four wheels until one lifted and lost installation of the radio equipment. Any radio gear will fit, the most popular steering servos totally. The new system is similar to that found on being either the KO1003, the Futaba 9302 or the Sanwa EXGXT. One or two of the team Pirate drivers seem to favour the use of twin 3001 the rear of the car, and the other disc operating Futaba servos, which are an economy ball-raced unit that seems to work very well. As regards the throttle and brake servo, the Futaba 9301 is more than adequate for the job, in fact Eltham Models suggested that the Futaba 148 is more than

chassis

Covering the mechanicals we find a new body

certainly a much improved version of the early Pirate. The new importers, Eltham Models, are very keen to offer a second to none back-up service to make the car a 'household' name in British racing. Results are what counts and their top team driver, Ian Oddie, regularly qualifies the car in the BRCA Championship A finals.

So where can you purchase the new Super Pirate M4. Well, I suggest that you ring Eltham Models and speak to John Bennett, who will be only too pleased to either supply you with this excellent car direct, or will be able to give you the name of your nearest stockist. Imported and distributed by: Eltham Models, 54, Well Hall Road, Eltham, London. SE9. Tel:(081) 850-4324.

