ince the Cougar 2000 was released in early 1993, the Schumacher Team have been busy beavering away trying out new ideas. With the Cougar '95, released not too long ago, some ideas have worked, some haven't, but Phil Booth and his merry men carried on

not too long ago, som ideas have worked, some haven't, but Phil Booth and his merry men carried on regardless. With the release of the very latest Cougar 2000 '95 'Team' I think they may have it licked...

There have been some quite significant changes made to the car, so let's see why the Cougar 'Team' should be one of the leadin contenders this season.

The Chassis.

Just one of the many changes that have been made to the latest Cougar, the new upper and lower chassis plates are quite different to earlier versions. What Schumacher have done is this. They have cut out a large rectangle from the lower chassis where the cells would usually lie, then added a moveable cell mounting plate, which enables the driver to alter the weight distribution by mounting the cells in any of three positions, allowing a total movement range of 16mm. The lower chassis plate is also extra narrow, being in fact the same width as the upper plate. This not only reduces the weight, but it allows the undertray to be lifted up either side of the chassis, the increased ground clearance allowing for more body roll during cornering.

All of the chassis parts are made of Woven Fibre Epoxy (WFE), and once their edges have been rounded off, superglued, then finished off with a black marker pen, they look very nice indeed. Carbon fibre parts are available as Speed Secrets from Schumacher, but as the Cougar is



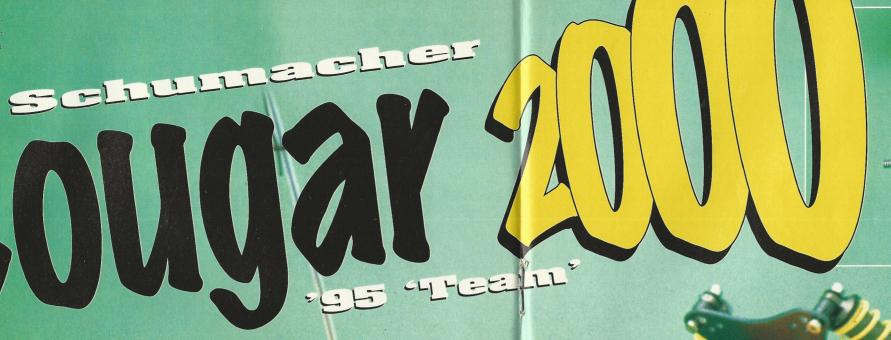
The receiver and speed controller on the '95 'Team' are now mounted in two lexan boxes hung from the top plate. The cell 'sliding ladder' plate has 3 positions, allowing a movement of 16mm. The clamping bolt can be seen on the left between the moulded 'gate' and the suspension pivot pin.

very light, and the plastic 'gates' between the two chassis plates make the car very rigid indeed, the only reason that I could think of for purchasing these bits is to nose in the pits (believe me, they do look very

As the lower chassis plate is now so narrow, there is literally nowhere to mount the radio gear as before. This problem is overcome by mounting the receiver and speedo in two lexan radio gear boxes. These are an excellent idea, as they hang very neatly off the upper chassis plate in much

the radio gear is fitted, the car looks very neat and tidy as the wires are tucked away below the Rx and speedo at the bottom of the boxes.

The steering servo sits transversely across the lower chassis plate on two adjustable pillars, very neat, but it's a little tricky to get to the servo once the chassis has been built. The steering ballcrank is angled to achieve the ideal height for the inner ball joint for the track rods to remove all possibility of bump steer. A modification has been made to the steering layout, and that is that one of the steering posts has been lengthened to allow a bush bearing to be added, which then





The rigid one-piece hubs and Co-Axial

slides very neatly into the new moulded steering post support attached to the upper chassis.

Two different lengths of drag link are supplied o give two different amounts of ackermann angle, this feature being only one of a few adjustments used from the original

The SACS MK2 Front End... I feel that this

latest Cougar is a lot more 'driver friendly', particularly for younger drivers and the inexperienced, because the earlier version was quite nvolved when it came to etting up.

The original Cougar's front suspension had the option of four castor inserts, in 5° steps, and three



The new parallel pin, 6mm shorter rear wishbones now feature the inner pivot mounted through an alloy bracket. No aftermarket 'uprate' part needed here!



ANTONY GRIFFIN REVIEWS THE VERY LATEST VERSION OF SCHUMACHER'S 2WD CONTENDER

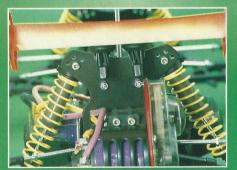
schumacher



Neat, and very tidy in appearance, the Cougar '95 'Team' is now very 'user friendly' and much easier to set up

than the earlier version.

The Rear End...



The new one-piece shock bracket also mounts the pick-up for the rear top

Schumacher have done away with the rear pivot blocks and pivot brace, giving a fixed anti-squat car to understeer under power. The new parallel pin wishbones are 6mm shorter and have parallel pivot pins, now attached to the chassis with the inner pivot pin sliding through the new aluminium rear strap, through the wishbone and into the rear shock mount. This is a lot neater, and because the rear of the chassis is now much narrower and the pivot blocks have been done away with, there is of course less weight. The hubs are now made in one piece offering

only one pin position. The original Cougar's toein hub inserts did confuse people, especially when trying to alter the car's set-up in a hurry, so I for one welcomed the rigid new hubs with open arms. The kit is supplied with hubs that give 3° of toe-in, which will work well on almost any track surface, although I suspect that Schumacher will soon release hubs to give varying amounts of toein for fine tuning. The new rear end still offers the useful facility to change the wheel base, but altogether the Cougar is a lot easier to set up

The Shocks

TEAM SCHUMACHER RACING

Schumacher have chosen on the new car to use short shocks on the front, rather than intermediate types. Having tested the car with both short and intermediate shocks I could find very little difference. The short

shocks lower the ride height, but as the SACS have seen on the very successful Cat 2000, have a problem.

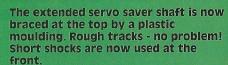
The Transmission

The transmission is the same as the original Cougar 2000, but is now removable by just undoing 6 screws. The gearbox uses low inertia 48dp gears for outstanding efficiency and acceleration off the line. The gearbox is designed to allow the motor to be fitted very close to the causing the motor to drag the extra weight calling for slightly lighter damping. Relocating differential, leaving very little overhang thus allowing the car to land almost vertically off a



front end raises it a touch this doesn't pose a sealed telescopic sliding action and twin universal of the car, combined with the track's surface, that

The Test



Good News Time!

For original Cougar '95 owners who wish to bring their cars up to the specification of the latest car reviewed here, a complete conversion kit (U1786O) is available for a bargain 1/2 of the recommended retail price, but even more interesting is the fact that Schumacher's viscuous drive unit (VDU) is to be available in April! Easy to adjust, with a vernier measurement scale, its layshaft. The VDU (part no U1787P) requires



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