



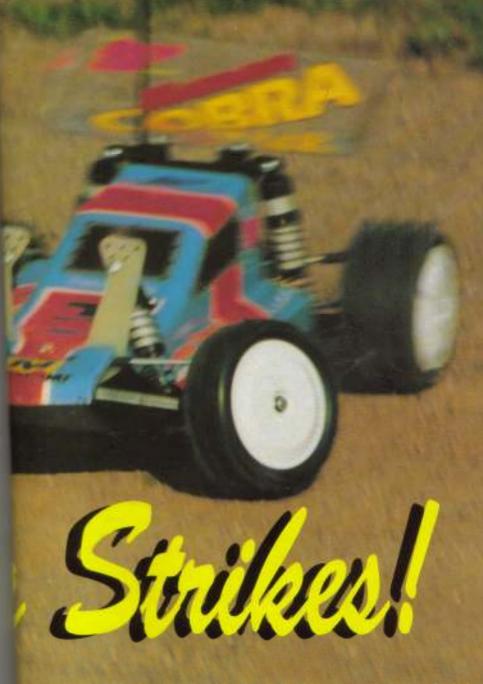
How have Mardave done it?
The Cobra is definitely at the bottom end of

Mardave's long awaited 2WD Off-Roader full review.



The Colors

From the ground up.



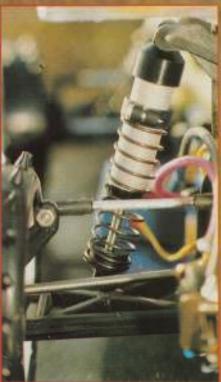
which can be easily released, but should do a good job. Eve—never liked tubes merely pushed into a holder, as they've never seemed too secure to me.

The gearbox mouldings also serve as the mountings for the rear wishbones. This means that the unti-squat angle is unadjustable, as are indeed the majority of ears, but after the amoun of development put in by Mardave, the purchase can be assured that the manufactures has got in (ob). The ours, youths to date term to bear that

out. The transmission housing is a plain looking box, but this houses a fully ballraced drive train that even comes with the differential ready asembled! The Cobra is supplied with the most essential piece of equipment for a fast 2wd car these days, a slipper clutch, and when the prices of spare parts are seen (at the end of this review), then it becomes apparent that the whole machine really is a bargain, not only to buy, but to in automic.







How did it go together?

The Chassis.

The quality of the modifings is good and consequented from their aproper were easy to clear approach with a modelling knile. The testimation were followed to the letter, which would of next a single problem being expense used throughout the whole build. The proof pure were jointleful in the suspension components by pushing them only partition with a part of places mutil they were sently in their four position, then knowledge them only partition with a part of places mutil they were sently in their four position, then knowledge with a few and southing corting on a serap block of the relevant modifing corting on a serap block of would. The modifing corting on a serap block of the apparent modifing or the surface used for the apparent Don't sky flow on the dining moon table websers a smaller block, in small bales to the table upgrant to be recommonwheal. The server must to if the assail is type and it is contegral part of one of the steering be literalise. This members in it.



ballraced, but is perfectly adequate for the job. I always prefer to have a Kimbro saver on the servo as well, as will be seen in the photos. The ball joints gave me no trouble, and altogether the chassis build went according to plan.

The Transmission.

The transmission went together with no problems being evident, the ready assembled diff unit was a nice touch, which could be a real plus point for Mardave when it comes to selling the car to inexperienced racers, as if the low price wasn't enough! The primary gear is integral with the steel layshaft, and could be said to be the reason for the noise that emanates from the gearbox when the initial runs are undertaken. This soon disappears after a few packs of cells have been run through the car, when the gears have bedded in nicely. The slipper clutch unit is the essence of simplicity, and allied with the nice quality spur gear, the whole transmission has already built a reputation for being free running, therefore giving good run times and acceleration. I very much liked the cover for the gears and slipper as it was a very close fit, and it didn't distort when the attachment screws were tightened up. This made a change from the flimsy items supplied in some of the more expensive competition. This in itself is a minor point and certainly won't win races, but showed that a bit of care had been taken in the manufacture, which was nice to see.

The Shocks.

The shock absorbers supplied in the kit are of Mardave's own design, and differ from those by other firms, in that they are supplied with the top cap already in place on the shock barrel, with the internals (the 'o'rings, piston rod etc) installed from the bottom, all contained in the lower screw in plug, this is sealed by an 'o' ring at the shoulder of the plug. These units are very simple in design, and don't have volume compensating diaphragms etc, but they seem to work quite adequately. For

the review kit, I used Losi Silatech oil in 20wt, as this was all I had to hand at 1,30 in the morning! The instructions recommend the use of S.A.E. 30 oil but, as it happened, the damping seemed just enough for the terrain on which the Cobra was asked to strut its' stuff!

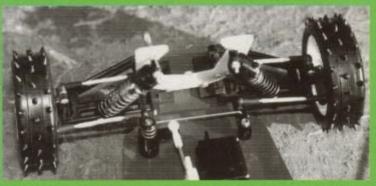
ecommend that for a 'standard' standard motor, that a 28 tooth pinion be used, but as the Twister is a short stack I tried a 27 tooth pinion, to get the motor to rev nicely and achieve better duration.

The body shell is made from some of the

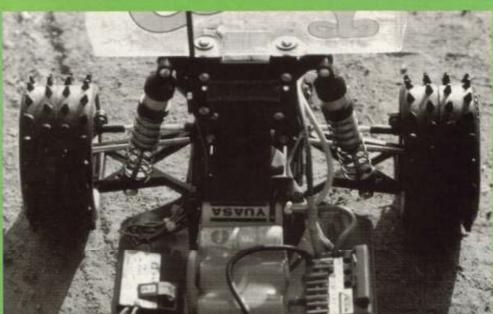
The Finishing Touches.

The radio installation was easy, as there is room enough for just about any speedo and receiver combination on the market, As can be seen in the photos, I used a Futaba 40 mhz receiver and 132H servo, with a Nosram Dominator speed control as illustrated in the Mardave instructions. I didn't really go for the idea of mounting the servo with double sided tape, much preferring to use mounting pillars, but as none are supplied I went along with the instructions, and didn't experience any trouble during the track tests, even though the car went through a fair hammering over some very large jumps! For motive power, a Twister Signature Series 27 turn, short stack standard motor was used. The instructions











thickest lexan that I have ever had to trim to shape, and should certainly last a long time. The shell follows the norm for a 2wd car, and is quite pleasing to the eye. The method suggested (and used) for mounting the shell is that of a clip through a mounting peg at the front, and a strip of velcro at the rear of the shell behind the cockpit. My thanks go to Bruce from Trackside Models, Hinkley, for the nicely painted shell used on the review car (actually a MK 1 version, the MK 11 shells have slightly different radii on the curves). The wing is again formed from the same thick lexan, and is mounted to the top of the rear bulkhead by two 3mm self tapping screws and washers. This method of mounting could result in a ripped wing after a hefty cartwheel, but is the method suggested, so that's what I went along with.

To the Track.

Malvern BMX track was the venue for the Cobra's test runs, and a better day for trying out a new car couldn't have been asked for! The surface was hard packed earth, with a smattering of gravel here and there, as well as all the jumps that could be wished for! The kit tyres were used throughout the runs I had, and were well up to the surface we were driving on. The suspension was set up with approximately 1 degree of negative camber front and rear as suggested, the driveshafts horizontal, and the rear of the car slightly lower than the front. I did feel that the instructions could have been more specific regarding the setting up of the suspension and how to make the car handle in different ways. Mardave do say in the instructions that it is intended for relatively experienced racers, but, as the price is on a par with the average beginners model, I think that outright novices might well go for the Cobra as their first car. Right from the first minute I felt really at home with the car, and soon realised that it was very stable over the jumps and ruts whilst giving good response to the steering. The turn in was very positive, but while the car was actually in the corners it held the chosen line well. It was particularly good around a fast hairpin, the approach was flat out having landed off a 3ft jump (!), and with a quick dab at the brakes it would flick nicely into the corner then, with a quick application of opposite lock, could be powered round the corner in a similar fashion to a 4wd car. The stability was amazing! The Cobra coped well with the large jumps at the BMX track, and flew very well indeed with the usual blip of the throttle as it left the ground! The damping was fine for the ruts and bumps, but perhaps a higher rated oil, and more ride height would have been more suitable, considering the abuse the Cobra was receiving when landing off

the yumps. Not a single component failed while it was being thrashed to within an inch of its young life, dispelling what fears I had regarding the dimensions of some of the

components in the suspension.

The impression I gained from my first few drives with the car, was that it is really very good on the track in the handling department and, despite the lack of sophisticated titanium parts etc, is a good, strong little beast that warrants a close look if competing in 2wd is the aim. It literally can't be beaten on price at the present, and with the spares being so reasonably priced (front tyres £4.00 pair, wheels 90p each, spur gear £1.05 and complete slipper clutch for £3.45), the Cobra is a very attractive proposition indeed, and gets a 'recommended' from yours truly!

Manufactured and distributed by Mardave R/C Racing, 7, Heanor St, Sanvey Gate, Leicester. Tel:-0533 - 624701