Mr Birchall said he could modify my rubber comes for ride height and softness at a cost of £25 + VAT inc P&P. per pair. He also wanted to know my weight, my wifes weight, and if I would be driving the car myself most of the time. When all of this information is colated, the comes will be re-profiled accordingly. I intend to send my cones to Mr Birchall for modification, so I can't comment on results as yet, but it does seem a step in the right direction.

I hope that this will be of interest to any other members, and the telephone number for Birchall Automotive is:
(060545) 711

Cheers for now,

Martin Dawson (Mini Section)



3 Brackenhurst Lne Southwell Notts.

ear Colin,

I thought yet another response to your weeks ago... a servo seal leaked and the sort out a bias towards the back brakes would be able to use the information. yard...a good source of odds and ends but I was missing the facility of the tacho standard Mini Clubman pod with no tacho to my Mini Marcos. Previously it had a a Mini Clubman wiring harness. This to fit a Marina T.C. instrument pod to find attached a brief description of how plea for contributions was due, so please pedal travel, but I thought this was a little brakes only worked on the last $\frac{1}{2}$ " of at low speed. It was totally cured a few locking up under medium to heavy braking I am still enjoying the car but I need to that maybe another Mini Marcos Owner when I was rebuilding the car. I thought T.C. instrument pods in the local scrapand came across a supply of Marina 1.8 modification is one I made a while ago

drastic and fitted another servo and the problem seems particularly cured or I maybe braking more gently now. I think that the real cure will involve fitting new front discs when I can get a bank loan... they seem to be £30 each unless anyone knows of a cheaper supplier?

Anyway I hope that the info will be of use to someone.

Bye for now,

M. Crooks

P.S. Anyone else in the area got a Mini Marcos or should that be a ' Maxi', please let me know.

To change to 1.8TC Marina instrument pod which is similar to Mini Clubman pod, but with addition of Tacho, use the Mini Clubman speedo....changes easily as only 2 screws (machine screws) retain it. The only technical job is to change the wiring on the multi-plug... it has extra and different connections. I removed the Marina pod and multi-plug...snip off the wiring 50mm beyond the plug, this makes them easier to remove. The connections can be removed by inserting a dart.... I always knew they were useful for something.... and then by pulling on the wire.

Remember First colour is the main colour, second is the trace colour. Refit the wires from the existing Clubman wirling in the revised positions to correspond with the following:

No. 1)

Instrument light feed.....red/green wire No 2)
To fuel guage sender unit..green/black
No 3)

To temp guage sender unit...green/blue No 4)

Main beam warning.....blue/black No 5)

Earth lead......black
No 6)

Speedo light feed.....red/green
No 7)

No 8)
Charge warning light..... brown/yellow

R.H. turn indicator.....green/white

the Instrument feed......white
r I
No 10)
Ink
Oil pressure warning light, white/brown
No 11)
Tacho feed.....green
No 12)
L, H, turn indicator.....green/red

White wire on the tacho connects to the ignition switch to power. When the ign' is turned on, connect to instrument feed wire which goes into No. 9 connector. White/green wire goes to the coil + ve connection on the negative earth car.



Richard Cooke 27, Watermead. Goldsworth Park Woking Surrey.

Triumph 2.5 MRD 460J

Dear Colin,

Many thank's for issue 50 of The Marcos Owners Club Magazine. The enforced editing didn't spoil my enjoyment of it I'm pleased to say. Enclosed is the completed register form...photo to follow.

When I bought my Marcos, the fuel guage didn't work. Not knowing where the sender is in the tank and the fact that the tank is covered in thick card type material. I checked all the other possible faults, first before cutting the card in search of the sender. The guage/wiring/earthing were all ok. Luckily I guessed right on the sender...it's about 3 inches from the boot corner on the right hand side. With the sender out it was now obvious what the problem was... the float was full of petrol.

Reading back through previous MOC Magazines, I discovered that the sender unit was from a mini traveller. At the local scrapyard all the travellers were on the bottom of the stacks of cars. The only way to get the traveller tank out is from underneath, Luckily an ordinary Mini Saloon uses the same float. The sender is different though, The piano wire arm is different and the sender clips rather than screws in.

With regard to the photo-copying of the back-issues, I would be in a position to help along the lines as suggested in your Editorial.

Well, Thank's for now,

Richard Cooke

P.S. Has anyone got a Corgi Marcos Coupé 1860/3L and a 4 seater Mantis for sale?



26, Lower Ferry Lane Callow Road. Worcester. WR Z 4UH.

Dear Colin,

Most Coupé owners, and all Kit owners, will know just how flimsy the roof of their car is..., it certainly would not stop you being "ground off flush" with the parcel shelf if you turned your precious car over, or being decapitated by a lorry bumper well-bent on "T-boning" you and your car.

In designing the bar I used the following parameters:

a) That it should conform as far as possible to R.A.C. Motor Sport requirements.
 b) That it should be as innobtrusive as

possible.

c) That any loads it may be called upon to withstand should be fed into the main chassis through widely spaced strong points.

To achieve point a) the main bar was bent up from 1 3/8 inch diameter mild steel tube with 14 guage wall thickness which will also fit nicely inside the angle of the rear roof pillars... or it should do...'

It was at this stage I discovered that the passenger-side pillar was $\frac{1}{4}$ inch narrower than the drivers side on my car. This was duely widened to accomodate the bar, which was all to the good,

because it closed up the rather large gap between the pillar and the door frame. A close tolerance fit down the pillars and up under the roof was necessary in order to achieve point b) and to allow the bar to be covered by the roof lining and its trim around the pillars. I had hoped to have a one piece bar which would bolt directly to the chassis strong points to which the door catches are bolted but the bar cannot be manoeuvered into position and so extra brackets need to be constructed from 1½ " lo guage mild steel angle to provide a base upon which to bolt the main bar close to the level of the parcel shelf.

To satisfy parameter c) and take care of any fore and aft loads I constructed a pair of struts from 1 inch diameter m/s tube (14 guage wall thickness) to link the top of the main bar to the top of the chassis just in front of the boot hinges. The struts

have a $\frac{1}{2}$ inch UNF threaded stem at one end which screw into threaded inserts welded to the main roll-over bar and are bolted at the other end to a bracket which in turn is bolted to the chassis using 3/8" diameter bolts.

The method of construction may seem over complicated (and my description unint-elligible) but it was the only way I could see to achieve parameters b) and c).

details.

To help you to understand a bit more clearly, I have produced some drawings. These are not to scale and I have not attempted to give comprehensive dimensions because it seems to me that every Marcos is unique in one way or another.

On my car for example the body is mounted inch to one side of the chassis. However I made up a hardboard template for the fairly subtle shape of the main roll-over bar in order to fit the pillars

one and the roof snugly, Other Marcos Owners

Club Members are welcome to borrow the
are template if they wish to follow my design
hich or to come and have a look at the bar
fitted to my as yet unfinished Marcos Kit
just phone Worcester 830581 for further

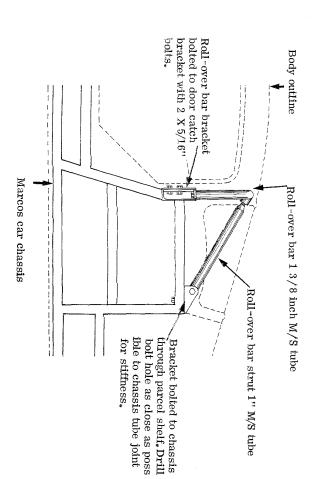
Constructing the bar is fairly labour intensive and very much made to measure. It requires access to a tube bender, lathe (to turn the various bushes) ½ UNF tap and die, and an arc welder.

I do not think that it would be a commer-

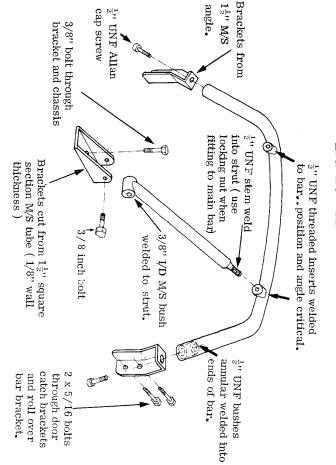
I do not think that it would be a commercially viable proposition, should you wish to get someone else to do it for you. It would probably cost the earth.'

Good luck.:
Mick Wilks

ROLL-OVER BAR GENERAL ARRANGEMENT



EXPLODED DIAGRAM



NB. second strut is omitted for clarity