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Heavy-duty drop links for the front anti-roll bar have removed the final weakness in our suspension set-up.

REGULAR READERS will recall that, some time ago, we fitted our Mk 4 GTI 1,8T with a pair of Eibach anti-roll bars (featured in the November 2004 issue). This resulted in a significant improvement in handling, not only reducing body roll, but enhancing the balance of the car. The larger rear bar also added an element of oversteer which improved turn-in considerably and made the car much more agile. Indeed, on the tight and twisting Curborough sprint track it came close to matching the lap times clocked by a race-prepared Mk 1 GTI, no mean feat for the much larger and heavier Mk 4.

We'd always had reservations, though, about retaining the standard drop links which connect the control arms lwishbones to the front anti-roll bar. While some anti-roll bar configurations leig. Newspeed come complete with adjustable couplings, the Eibach bar retains the standard drop links. Not only are they rather flirmsy lindeed the composite plastic ones have been known to break! but the rubber bushes degrade with time and use and

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inevitably become soft, detracting from the enhanced reaction of the stiffer bar.

At the very least, then, it's sensible to fit brand-new standard drop links. We've listed all the original applications and part numbers in the panel accompanying this feature, although the combinations given are only to ensure compatibility when retaining the standard anti-roll bar. With an aftermarket anti-roll bar, the fittings are universal and any of these standard drop links can be used.



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As far as aftermarket drop links are concerned, though, there are basically three types – uprated single-piece links like the beavy-duty aluminium ones from VF Engineering, adjustable two-piece links like the strong or the various motorsport-type adjustable metal ball-jointed assemblies.

The main advantage with the adjustable links comes when the suspension is lowered to a greater degree, as the length of the link can be altered to change the anti-roll bar angle and prevent the possibility of the hoop fouling the driveshaft. This was quite a common problem early on.

when enthusiasts first started modifying the Mk & When the suspension is substantially lowered, the consequent angle of the driveshaft can bring it into contact with the inside of the anti-roll bar hoop when hard cornering causeshigh suspension deflections. Indeed, Eibach modified their later anti-roll bars [as fitted to our corl, using a larger diameter hoop section, to improve clearance in this area.

Although rather specialised, perhaps more relevant to motorsport or serious track-day usage, there is also the possibility of adjusting the links differentially on either side of the car, to pre-load the anti-roll bar and introduce tension into it in the static position. This could be useful, for instance, on a predominantly right-handed circuit like Mallory Park, enabling you to tension the anti-roll

In certain circumstances it can also make it much easier to fit the drop links, aligning both ends to their relevant mountings first and then screwing the adjustable sections together to take up the slack. The only reservation we'd have about the adjustable links is the inevitable long-term effect of spray and road dirt on the threaded sections, and the possibility of premature wear of the metal ball-joints unless they're carefully protected by copious amounts of grease or the addition of some sort of rubber boot.

For our car, though, we decided to use the heavy-duty VF Engineering links, available here in the UK from VAG-Tuner.com. Although a very substantial construction, of heavy-duty H-section billet aluminium with polyurethane

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more immediate and even straight-line tracking feels more confident.

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fittings progressively. This technique

also ensures that they are fitted in their

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