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Doctor Bob's technical tips

For some time now I have been using a device which may help those of you who would like a firmer 'hold' from your seat belt. This is a simple, yet sophisticated, accessory which locks the lap belt to the buckle, effectively overriding the retractor mechanism for the lap part of the belt only - the diagonal is still completely free to extend or retract as required, and it would still lock in the event of an accident.

The effect of this is that the wearer is held much more positively into the seat. This has obvious benefits for drivers who enjoy track days - they will know that it can be quite tiring to brace your left leg against the centre console to help retain one's position in the seat, especially on fast right hand bends. It is particularly beneficial in cars fitted with leather seats.

Maker's claim

But just as the maker's claim, I have found that this positive location in the seat is really helpful on normal roads - for example, it helps to prevent the driver from slumping in the seat on long motorway journeys. It may have benefits for those who suffer from back trouble, in that it helps to keep one's back in contact with the lumbar support areas of the seat back.

The CG Lock is attached to the belt buckle - fitting is a simple process once you have understood exactly how it works - there are only two screws involved. Incidentally, the kit includes two sets of screws, one long and one short. The instructions tell you to fit the device using the long screws in the first instance and only to use the short ones instead if

DISCLAIMER : Any work you do, or have done, to your car as a result of reliance of this information is entirely your responsibility. You should check technical advice with an independent source, and take local specialist advice from a qualified person who has actually seen your car if in any doubt. The MX-5 Owners Club and its officers can accept NO RESPONSIBILITY for any damage caused to your person, car or property as a result of following or not following any procedure or advice given in this article.

the long ones protrude too far from the fixing. In fact the short screws are all that are needed for MX-5 fitment.

Please note, however, that the device depends upon the raised rim of the belt buckle for security of fixing. Mk 2.5 cars do not have this rim, and an alternative fixing mechanism is required - the makers of CG Lock can supply the alternative version.

Not sold as safety device

CGLock is not sold as a safety device - it is for driver and passenger comfort - but it has been extensively tested for safety and the makers state that it will not interfere with the normal operation of the seat belt in the event of an accident.

The inventor of the product drives an MX-5 Miata, and his son uses the device for Autocross competition in the USA.

Further details of the product are available from the European distributor's website - www.cg-lock.co.uk



Details of the CG Lock.



CG Lock.



CG Lock in use.