

Morgan Challenge Technical Regulations 2024

Motorsport UK Blue Book Regulations apply to all appendices

	<u>Appendix 1</u>	<u>Specification</u>
<u>Para</u>	<u>Permitted - Only If it shows "v"</u> <u>Prohibited - If it shows "X"</u>	CX PLUS FOUR
5.5	<u>General</u>	
5.5	<u>Chassis</u>	
5.5	MMC production specification CX chassis	v
5.3	Single door bars may be fitted	v
5.6.1.1	<u>Bodywork</u>	
5.6.1.1	<u>General</u>	
5.6.1.1	Cooling ducts in front face of front wings and leading edge of Bonnet	v
	Ground Clearance Minimum (measured under chassis at mid point between front and rear wheels)	
5.6.1.5	127mm	v
5.8.1	<u>Front & Rear Suspension</u>	
5.8.1	No change from production design and specification, see attached drawings.	v
5.8.1	No replacement of OE rubber bushes with alternative materials or spherical joints/rod ends	v
5.8.1	Front & Rear Dampers- Free. No remote reservoirs	v
5.8.1	Front & Rear Anti roll bars- Free	v
5.8.1	Front & Rear Spring Rates-Free	v
5.8.1	Front Wheel - Max Camber /Caster	-ve 1 / 5.3
5.81	Rear Wheel -Max Camber	-ve 1
5.8.3	<u>Max Wheelbase</u>	2520
5.8.3	<u>Max Front Track (Centre of Tyre to Centre of Tyre)</u>	1455
5.8.3	<u>Max Rear Track (Centre of Tyre to Centre of Tyre)</u>	1455
5.9.1	<u>Transmission</u>	
5.9.1	As per production	v
5.9.3	BMW 6 Speed Manual gearbox in production specification	v
5.9.3	BMW 8 speed Automatic gearbox with paddle shift controls as per production specification.	v
5.9.3	Any Changes to Automatic Gearbox software control strategies from production specification	X
5.9.3	Final Drive- Ratios- Free	v

5.9.3	Limited Slip Differential	X
5.9.3	Gearbox and Final drive coolers may be fitted	✓
5.11	<u>Brakes</u>	
5.11.1	Standard production brakes, no changes to disc composition or material	✓
5.11.1	Fitting of twin brake master cylinders & balance bar – not adjustable by driver when seated in car	✓
5.11.1	Brake fluid- Free	✓
5.11.1	Production specification ABS system	✓
5.11.1	Flexible brake hoses- Free	✓
5.11.1	Brake ducts allowed Front & rear	✓
5.11.1	<u>Front Brakes</u>	
5.11.1	Front brake discs - Max 294mm diameter x 24 Vented 1 Piece	✓
5.11.1	Callipers as per production specification	✓
5.11.1	Brake pad compound- Free	✓
5.11.1	<u>Rear Brakes</u>	
5.11.1	Brake discs - Max 288mm diameter x 20 Vented Single Piece	✓
5.11.1	Callipers as per production specification	✓
5.11.1	Brake pad compound- Free	✓
5.10	<u>Electrics</u>	
5.1	Instrumentation must remain as standard production specification	✓
5.1	Dash & instrumentation panel material free	✓
5.1	Traction Control	X
5.12	<u>Wheels / Steering</u>	
	<u>Steering</u>	
5.12.1	Alternative Steering Column (collapsible section recommended)	✓
5.12.1	Standard production Power assisted steering rack	✓
5.12.1	Power steering cooler may be fitted	✓
5.12.1	Non Production Specification Removable or fixed Steering wheel may be fitted	✓
5.12	<u>Wheels</u>	
5.12.4	<u>Front & Rear</u>	
5.12.4	Max size 7J x 16" Alloy	✓
5.13	<u>Tyres</u>	
5.13.2	<u>Front & Rear</u>	
	Yokohama AO52. Max size 225 x 16" Min profile 45%	✓
5.13.3	<u>Tyres Prohibited</u>	
5.13.3	Change of wheel & tyre type or make and or designation between practice and race at any meeting	X