

# AR Motorsport Morgan Challenge Technical

	<u>Specification X</u>
	<u>Appendix 1</u>
<u>Para</u>	<p><u>Permitted - Only If it shows "V"</u></p> <p><u>Prohibited - If it shows "X"</u></p>
<b>5.5</b>	<b><u>General</u></b>
5.5	<b><u>Chassis</u></b>
5.5	MMC production specification CX chassis
5.3	6 Point Roll cage To MSUK specifications
5.3	Single door bars may be fitted
5.6.1.1	<b><u>Bodywork</u></b>
5.6.1.1	<b><u>General</u></b>
5.6.1.3	Full windscreen to be fitted
5.6.1.1	Cooling ducts in front face of front wings and leading edge of Bonnet
5.6.1.3	Hardtop to be fitted
	<b>Ground Clearance</b> Minimum (measured under chassis at mid point between front and rear wheels)
5.6.1.5	127mm
<b>5.8.1</b>	<b><u>Front &amp; Rear Suspension</u></b>
5.8.1	No change from production design and specification, see attached drawings.
5.8.1	No replacement of OE rubber bushes with alternative materials or spherical joints/rod ends
5.8.1	Front & Rear Dampers- Free. No remote reservoirs
5.8.1	Front & Rear Anti roll bars- Free
5.8.1	Front & Rear Spring Rates-Free
5.8.1	Front Wheel - Max Camber /Caster
5.8.1	Rear Wheel -Max Camber
<b>5.8.3</b>	<b><u>Max Wheelbase</u></b>
<b>5.8.3</b>	<b><u>Max Front Track (Centre of Tyre to Centre of Tyre)</u></b>
<b>5.8.3</b>	<b><u>Max Rear Track (Centre of Tyre to Centre of Tyre)</u></b>

<b>5.9.1</b>	<b><u>Transmission</u></b>
5.9.1	As per production
5.9.3	BMW 6 Speed Manual gearbox in production specification
5.9.3	BMW 8 speed Automatic gearbox with paddle shift controls as per production specification.
5.9.3	Any Changes to Automatic Gearbox software control strategies from production specification
5.9.3	Final Drive- Ratios- Free
5.9.3	Limited Slip Differential
5.9.3	Gearbox and Final drive coolers may be fitted
<b>5.11</b>	<b><u>Brakes</u></b>
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
<b>5.11.1</b>	<b><u>Front Brakes</u></b>
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
<b>5.11.1</b>	<b><u>Rear Brakes</u></b>
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
<b>5.10</b>	<b><u>Electrics</u></b>
5.1	Instrumentation must remain as standard production specification
5.1	Dash & instrumentation panel material free
5.1	Traction Control
<b>5.12</b>	<b><u>Wheels / Steering</u></b>
	<b><u>Steering</u></b>
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
<b>5.12</b>	<b><u>Wheels</u></b>
5.12.4	<b><u>Front &amp; Rear</u></b>
5.12.4	Max size 7J x 16" Alloy
<b>5.13</b>	<b><u>Tyres</u></b>
5.13.2	<b>Front &amp; Rear</b>

	Any tyre from MSUK Blue Book List 1A or 1B. Max size 205 x 16" Min profile 50%. M & H Compound
5.13.3	<b><u>Tyres Prohibited</u></b>
5.13.3	Change of wheel & tyre type or make and or designation between practice and race at any meeting
<b>5.14</b>	<b><u>Weight</u></b>
<b>5.14</b>	Race weight including Driver 1250KG

# al Regulations 2022

<u>Specification</u>
<u>X</u>
CX PLUS FOUR
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-ve 1 / 5.3
-ve 1
2520
1455
1455

✓
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X
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