

## AR Motorsport Morgan Challenge Tech

| <u>Specification X</u> |   |
|------------------------|---|
| <u>Appendix 1</u>      |   |
| <u>Para</u>            | <u>Permitted - Only If it shows "V"</u><br><u>Prohibited - If it shows "X"</u>                      |
| <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                    | 4 Point cage and scuttle rollbar 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.                          |

CX6 Chassis

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| 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   |
| 5.81  | Rear Wheel -Max Camber   |
| 5.8.3 | <u>Max Wheelbase</u>   |
| 5.8.3 | <u>Max Front Track (Centre of Tyre to Centre of Tyre)</u>                                  |
| 5.8.3 | <u>Max Rear Track (Centre of Tyre to Centre of Tyre)</u>                                   |
| 5.9.1 | <u>Transmission</u>  |
| 5.9.1 | As per production  |
| 5.9.3 | BMW 8 speed Automatic gearbox with paddle shift controls as per production specification.  |

CX6 Chassis

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| 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   |

CX6 Chassis

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| <b>5.11.1</b> | <b><u>Front Brakes</u></b>   |
| 5.11.1        | Front brake discs - Max 315mm diameter x 25.4 Vented 2 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 294mm diameter x 20 Vented 2 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 free   |
| 5.1           | Dash & instrumentation panel material free   |
| 5.1           | Traction Control   |
| <b>5.12</b>   | <b><u>Wheels / Steering</u></b><br><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 9J x 19 Alloy   |
| <b>5.13</b>   | <b><u>Tyres</u></b>  |
| 5.13.2        | <b><u>Front &amp; Rear</u></b>   |
|               | Any tyre from MSUK Blue Book List 1A or 1B. Max size 255 x19"<br>Min profile 35%. M & H Compound |

CX6 Chassis

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| 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 |
| 5.14   | <u>Weight</u>   |
| 5.14   | Race weight including Driver 1295KG   |

# Technical Regulations 2022

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| <u>Specification</u> |
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CX6 Chassis

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CX6 Chassis

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CX6 Chassis

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CX6 Chassis

