

AR Motorsport Morgan Challenge Technical Regulations 2023

| Class 3 | | 200 Mean BHP per Tonne | | | | | | | | | | | | | |
|---------|---|------------------------|---------------|--------------|---------------|----------------|----------------|--------------|-------------|------------|-----------|------------------|------|--------------|-------------|
| | | Specification | Specification | | | Specification | | | | | | | | | |
| Para | Appendix 1 | C | R | D | | | | | | | | | | | |
| 5.2 | Permitted - Only if it shows "v" Prohibited - If it shows "X" | 8 Cyl | 6Cyl | +4 SS (9) | Moss 4 Spd | Rover 4 Spd | Rover 5 Spd | X Flo (2) | Fiat (3) | M/T (4) | TR (5) | Zetec (6) (7) | | Sigma (8) | Dura (9) |
| 5.2 | Maximum engine capacities | 4000 | 2999 | 2000 | 3612 | 3612 | 3612 | 1700 | 2100 | 2100 | 2000 | 1814 | 1998 | 1600 | 2000 |
| 5.4 | Mot | | | | | | | | | | | | | | |
| 5.4 | MOT if required by law | v | v | v | v | v | v | | | | | | | | |
| 5.5 | Chassis | | | | | | | | | | | | | | |
| 5.3 | ROPS may be extended behind rear axle cut away - SLR Only | | | | | | | | | | v | | | | |
| 5.6.1.1 | Engine and or gearbox torque reaction steady bar | | | | | | | v | | | | | | | |
| 5.6.1.1 | Addition of a full width Ali panel under axle | | | | | | | v | v | v | v | v | v | v | v |
| 5.8 | Bodywork | | | | | | | | | | | | | | |
| 5.8 | General | | | | | | | | | | | | | | |
| 5.6.1.2 | Replacement of rear parcel shelf & bulkhead with Ali panels - design and configuration free | | | | v | v | v | v | v | v | v | v | v | v | v |
| 5.6.1.1 | Ali or steel Engine Bulkhead fabricated to replicate design of a Std Morgan item | | | | | | | | | | v | | | | |
| 5.6.1.1 | Ali or steel access panels in bulkhead - Free | | | | | | | v | | | | | | | |
| 5.6.1.1 | Ali access panels in bulkhead - gearbox removal | | | | | | | | | | v | | | | |
| 5.6.1.1 | Modify inner wing valance for Exhaust manifold exit | v | | | v | v | v | v | v | v | v | v | v | v | v |
| 5.6.1.3 | Additional cooling duct in inner half of top of front wing | | | | | | | v | v | v | v | v | v | v | v |
| 6.6.1.4 | Additional bonnet side scoop | | | v | | | | v | v | v | v | v | v | v | v |
| 5.6.1.1 | Original One Piece body & bonnet SLR only | | | | | | | | | | v | | | | |
| 5.6.1.2 | Use of other than a full Morgan wooden body frame, SLR only | | | | | | | | | | v | | | | |
| 5.6.1.3 | Use of non proprietary MMC Cowls or Grills SLR only | | | | | | | | | | v | | | | |
| 5.6.1.3 | Original Morgan front cowl only (Steel or Superform Ali) | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5.6.1.4 | Plus 4 super sports style front valance with additional brake cooling holes - Drawing 2, Appendix 3 | | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5.6.1.5 | Ground clearance Minimum (under bottom of Z section at immediately behind cross member toe board (not U) on traditional cars, and mid point between front and rear wheels on Aero) | | | | | | | | | | | | | | |
| 5.6.1.5 | 102mm | | | | | | | v | v | v | v | v | v | v | v |
| 5.6.1.5 | 127 mm | v | v | v | v | v | v | | | | | | | | |
| 5.8.1 | Suspensions | | | | | | | | | | | | | | |
| 5.8.1 | Front Frame lower tube position (max 22mm to bottom of Z section) | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5.8.1 | Front Wheel - Max Camber 2 Degree & Castor 6 degrees (+ or - 1/4 ") | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5.8.1 | Front Anti Roll Bar (SLR Only D6) | | | | | | | | | | v | | | | |
| 5.8.1 | Rear anti-tramp bars - max 2 | v | v | v | | | | | | | | | | | |
| 5.8.1 | Use of min 4 Std Morgan semi-elliptical Leaf Springs | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5.8.1 | Use of axle Lowering blocks and or centralising block | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5.8.3 | Max Wheelbase | | | | | | | | | | | | | | |
| 5.8.3 | 245cm + or - 10mm | | v | v | | | | v | v | v | v | v | v | v | v |
| 5.8.3 | 250cm + or - 10mm | v | | | v | v | v | | | | | | | v | v |
| 5.8.3 | Max Front Track (Centre of Tyre to Centre of Tyre) | | | | | | | | | | | | | | |
| 5.8.3 | 126.5cm + or - 10mm | | | | v | v | v | v | v | v | v | v | v | | |
| 5.8.3 | 130cm + or - 10mm | | | | | | | | | | | | | v | v |
| 5.8.3 | 134cm + or - 10mm | | v | v | | | | | | | | | | | |
| 5.8.3 | 137.5 cm + or - 10mm | v | | | | | | | | | | | | | |
| 5.9.9 | Max Rear Track (Centre of Tyre to Centre of Tyre) | | | | | | | | | | | | | | |
| 5.8.3 | 130 cm + or - 10mm | | | | | | | v | v | v | v | v | v | | |
| 5.8.3 | 138cm + or - 10mm | | | | | | | | | | | | | | |
| 5.8.3 | 139.5cm + or - 10mm | | | | | | | | | | | | | v | v |
| 5.8.3 | 142cm + or - 10mm | | | | v | v | | | | | | | | | |
| 5.8.3 | 143.5cm + or - 10mm | v | v | v | | | v | | | | | | | | |
| 5.9.1 | Transmission | | | | | | | | | | | | | | |
| 5.9.3 | Axle Ratio's - Free | | | | | | | v | v | v | v | v | v | v | v |
| 5.9.3 | Std production Axle ratios (3.7:1, 3.45:1, 3.3:1) | v | v | v | v | v | v | | | | | | | | |
| 5.9.3 | May use 3.73 or 4.1 Ratio | | | v | | | | | | | | | | | |
| 5.9.1 | Semi floating rear hubs - Steel - Salisbury - BTR | v | | | v | v | v | v | v | v | v | v | v | v | v |
| 5.9.3 | Std Morgan production H Pattern 4 Spd synchromesh gearbox, Synchromesh gearsets - Free | | | | v | v | | v | | | v | v | v | | |

