

## Morgan Challenge Technical Regulations 2024

Class 5		185 Mean BHP per Tonne												
		Specification												
Para	<u>Appendix 1</u>	D											S	
		Moss	Rover	Rover	X Flo	Fiat	M/T	TR	TR	Zetec		Sigma	Dura	+4
		4 Spd	4 Spd	5 Spd	(2)	(3)	(4)	(5)	(5)	(6)	(7)	(8)	(9)	Club Sport
		3612	3612	3612	1700	2100	2100	2000	2300	1814	1998	1600	2000	2000
5.2	Maximum engine capacities													
5.4	<u>Mot</u>													
5.4	MOT if required by law	v	v	v	v	v	v	v	v	v	v	v	v	v
5.5	<u>Chassis</u>													
5.3	ROPS may be extended behind rear axle cut away - <b>SLR Only</b>							v	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	v	
5.8	<u>Bodywork</u>													
	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	v	v
5.6.1.1	Ali or steel Engine Bulkhead fabricated to replicate design of a Std Morgan item	v	v	v	v	v	v	v	v	v	v	v	v	v
5.6.1.1	Ali access panels in bulkhead - gearbox removal Class A, B, (D & E +4 & SLR)	v	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	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 <b>SLR only</b>							v	v					
5.6.1.2	Use of other than a full Morgan wooden body frame, SLR only							v	v					
5.6.1.3	Use of non proprietary MMC Cowls or Grills SLR only							v	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
5.6.1.5	<b>Ground clearance</b> Minimum (under bottom of Z section at immediately behind cross member toe board )													
5.6.1.5	102mm				v	v	v	v	v	v	v	v	v	
5.6.1.5	127mm	v	v	v										v
5.8.1	<u>Suspensions</u>													
5.8.1	Replacement of damper blades with Roller Bearings	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
5.8.1	Front Anti Roll Bar (SLR Only D6)							v	v					
5.8.1	Rear anti-tramp bars - max 2													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
5.8.3	<u>Max Wheelbase</u>													
5.8.3	245cm + or - 10mm				v	v	v	v	v	v	v			x
5.8.3	250cm + or - 10mm	v	v	v								v	v	v
5.8.3	<u>Max Front Track (Centre of Tyre to Centre of Tyre)</u>													
5.8.3	123.5cm + or - 10mm													
5.8.3	126.5cm + or - 10mm	v	v	v	v	v	v	v	v	v				v
5.8.3	130cm + or - 10mm											v	v	
5.8.3	137.5 cm + or - 10mm													v
5.9.1	<u>Max Rear Track (Centre of Tyre to Centre of Tyre)</u>													
5.8.3	130 cm + or - 10mm				v	v	v	v	v	v	v			v
5.8.3	139.5cm + or - 10mm											v	v	v
5.8.3	142cm + or - 10mm	v	v											
5.8.3	143.5cm + or - 10mm			v										
5.9.1	<u>Transmission</u>													
5.9.3	Axle Ratio's - Free				v	v	v	v	v	v	v	v	v	
5.9.3	Std production Axle ratios	v	v	v										v
5.9.3	May use 3.73 or 4.1 Ratio													
5.9.3	Std Morgan production H Pattern 4 Spd synchromesh gearbox, Synchromesh gearsets - Free	v	v		v			v	v	v	v			
5.9.3	Std Morgan production H pattern Max 5 Spd synchromesh gearbox													v

5.9.3	Std Morgan production H pattern Max 5 Spd synchromesh gearbox, Synchromesh gearsets - Free			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>5.11</b>	<b><u>Brakes</u></b>													
5.11.1	Additional cooling (see bodywork)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.11.1	Additional cooling via ducts - not to be visible when normally viewing car or holes in bodywork	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>5.11.1</b>	<b><u>Front Brakes</u></b>													
5.11.1	Front brake discs - Max 278mm x 12.75mm thickness - Cast Iron	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.11.1	Drum brakes 9" x 1 3/4" Cast Iron							✓	✓					
5.11.1	Callipers - Max 4 pot Princess - Cast Iron					✓	✓							
5.11.1	Caparo Ali Callipers - Max 4 pot					✓	✓							✓
5.11.1	Callipers - Max 4 pot				✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.11.1	Callipers - Max 2 pot	✓	✓	✓				✓	✓					
5.11.1	Brake pad - Max 43.5cm2 swept pad area				✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.11.1	Brake pad - Max 37.9cm2 swept pad area	✓	✓	✓				✓	✓					
<b>5.11.1</b>	<b><u>Rear Brakes</u></b>													
5.11.1	Rear drum - max size 9" x 1 3/4" - Cast Iron	✓	✓	✓										✓
5.11.1	Modified rear drums - max size 9" x 1 3/4"				✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>5.10</b>	<b><u>Electrics</u></b>													
5.12.6	Instrumentation must remain standard	✓	✓	✓										✓
5.7.8	Removal or deactivation of fuel cut out switch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.6.1.2	Dash & instrumentation panel material free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>5.12</b>	<b><u>Wheels / Steering</u></b>													
<b><u>Steering</u></b>														
5.12.1	Gemma Steering Box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.12.1	Steering rack				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.12.1	Hi Ratio Steering Rack													✓
<b>5.12</b>	<b><u>Wheels</u></b>													
5.12.1	Any Make or Design - Steel or Aluminium				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>5.12.4</b>	<b><u>Front &amp; Rear</u></b>													
5.12.4	Std Morgan style max size 7" x 16" Wire or Alloy knock on													
5.12.4	Std Morgan style max size 6.5" x 15" alloy		✓	✓									✓	✓
5.12.4	Std Morgan style max size 5.5" x 15"	✓												
5.12.4	Std Morgan style max size 5" x 15" wire wheel													
5.12.4	Max size 6" x 15" Alloy, Steel or Wire				✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>5.13.2</b>	<b><u>Front &amp; Rear</u></b>													
5.13.2	Yokohama AO52 Max size 205 x 15". Min profile 55%		✓	✓										
5.13.2	Yokohama AO52 Max size 195 x 15" Min profile 50%				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.13.2	Any tyre from MSUK Blue Book List 1A or 1B. Max size 195 x 15" or 190/600R15. Min profile 55%. M & H Compound	✓												
5.13.2	Avon CR6ZZ Max size 185 x 15". Min profile 70%	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.13.2	Dunlop L Min profile 65%				✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>5.13.3</b>	<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	X	X	X	X	X	X	X	X	X	X	X	X	X