

Morgan Challenge Technical Regulations 2024

Class 4		195 Mean BHP per Tonne													
		Specification	Specification	Specification											
Para	Appendix 1	C	R	D											
5.2	Permitted - Only if it shows "✓" 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)	Sigma (7)	Dura (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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.5	Chassis														
5.3	ROPS may be extended behind rear axle cut away - SLR Only										✓				
5.6.1.1	Engine and or gearbox torque reaction steady bar							✓							
5.6.1.1	Addition of a full width Ali panel under axle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.6	Bodywork														
5.6.1.2	General														
5.6.1.2	Replacement of rear parcel shelf & bulkhead with Ali panels - design and configuration free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.1	Ali or steel Engine Bulkhead fabricated to replicate design of a Std Morgan item										✓				
5.6.1.1	Ali access panels in bulkhead - gearbox removal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.1	Modify inner wing valance for Exhaust manifold exit	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.3	Additional cooling duct in inner half of top of front wing							✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.4	Additional bonnet side scoop			✓				✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.1	Original One Piece body & bonnet SLR only										✓				
5.6.1.2	Use of other than a full Morgan wooden body frame, SLR only										✓				
5.6.1.3	Use of non proprietary MMC Cowls or Grills SLR only										✓				
5.6.1.3	Original Morgan front cowl only (Steel or Superform Ali)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.4	Plus 4 super sports style front valance with additional brake cooling holes - Drawing 2, Appendix 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.5	Ground clearance Minimum (under bottom of Z section at immediately behind cross member toe board)														
5.6.1.5	102mm							✓	✓	✓	✓	✓	✓	✓	✓
5.6.1.5	127 mm	✓	✓	✓	✓	✓	✓								
5.8.1	Suspensions														
5.8.1	Front Frame lower tube position (max 22mm to bottom of Z section)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.8.1	Front Wheel - Max Camber 2 Degree & Castor 6 degrees (+ or - 1/4 °)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.8.1	Front Anti Roll Bar (SLR Only D6)										✓				
5.8.1	Rear anti-tramp bars - max 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.8.1	Use of min 4 Std Morgan semi-elliptical Leaf Springs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.8.1	Use of axle Lowering blocks and or centralising block	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.8.3	Max Wheelbase														
5.8.3	245cm + or - 10mm		✓	✓				✓	✓	✓	✓	✓	✓		
5.8.3	250cm + or - 10mm	✓			✓	✓	✓							✓	✓
5.8.3	Max Front Track (Centre of Tyre to Centre of Tyre)														
5.8.3	126.5cm + or - 10mm				✓	✓	✓	✓	✓	✓	✓	✓	✓		
5.8.3	130cm + or - 10mm													✓	✓
5.8.3	134cm + or - 10mm		✓	✓											
5.8.3	137.5 cm + or - 10mm	✓													
5.8.3	Max Rear Track (Centre of Tyre to Centre of Tyre)														
5.8.3	130 cm + or - 10mm							✓	✓	✓	✓	✓	✓		
5.8.3	138cm + or - 10mm														
5.8.3	139.5cm + or - 10mm													✓	✓
5.8.3	142cm + or - 10mm				✓	✓									
5.8.3	143.5cm + or - 10mm	✓	✓	✓			✓								

5.9.1	Transmission																	
5.9.3	Axle Ratio's - Free																	
5.9.3	Std production Axle ratios (3.7:1, 3.45:1, 3.3:1)	✓	✓	✓	✓	✓	✓											
5.9.3	May use 3.73 or 4.1 Ratio			✓														
5.9.1	Semi floating rear hubs - Steel - Salisbury - BTR	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.9.3	Std Morgan production H Pattern 4 Spd synchromesh gearbox, Synchromesh gearsets - Free				✓	✓		✓				✓	✓	✓				
5.9.3	Std Morgan production H pattern Max 5 Spd synchromesh gearbox	✓	✓	✓														
5.9.3	Std Morgan production H pattern Max 5 Spd synchromesh gearbox, Synchromesh gearsets - Free							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.11	Brakes																	
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.11.1	Front Brakes																	
5.11.1	Front brake discs - Max 278mm x 12.75mm thickness - Cast Iron	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.11.1	Grooved or Dimpled discs (not drilled)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	Brake pad - Max 43.5cm2 swept pad area	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.11.1	Rear Brakes																	
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"								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.10	Electrics																	
5.12.6	Instrumentation must remain standard	✓	✓	✓	✓	✓	✓											✓
5.6.1.2	Dash & instrumentation panel material free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.12	Wheels / Steering																	
	Steering																	
5.12.1	Gemma Steering Box	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.12.1	Steering rack	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.12.1	Hi Ratio Steering Rack	✓	✓	✓														
5.12	Wheels																	
5.12.1	Any Make or Design - Steel or Aluminium								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.12.4	Front & Rear																	
5.12.4	Std Morgan style max size 7" x 16" Wire or Alloy knock on	✓																
5.12.4	Std Morgan style Minilite 7" x 15" Alloy			✓														
5.12.4	Std Morgan style max size 6.5" x 16" alloy	✓	✓															
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	Max size 6" x 15" Alloy, Steel or Wire								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.13	Tyres																	
5.13.2	Front & Rear																	
5.13.2	Yokohama AO52. Max size 205 x 16" Min profile 50%.	✓	✓															
5.13.2	Yokohama AO52. Max size 205 x 15" Min profile 50%.	✓	✓	✓		✓	✓											
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 50%. M & H Compound				✓													
5.13.2	Avon CR6ZZ Max size 185 x 15". Min profile 70%				✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.13.2	Dunlop L Min profile 65%								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.13.3	Tyres Prohibited																	
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	X	X	X	X