

AR Motorsport Morgan Challenge Technical Regulations 2022

Class 2		300 BHP per Tonne							
Appendix 1		Specification			Specification				Specification
Para	Permitted - Only If it shows "v" Prohibited - If it shows "X"	G			J				H
		ARV6	6Cyl	6Cyl	Aero	8 Cyl	Baby Doll, +4 SS, & Spec (9)	4Cyl. Class from Spec (2-8)	8 Cyl HSCC
5.2	Maximum engine capacities	3726	3726	3000	4600	3999 / 4600	2000	2000	3612
5.5	General								
5.5	Chassis								
5.5	Aluminium bonded & riveted chassis of a type produced by MMC and matching its dimensions				v				
5.3	Twin door bars	v	v	v		v	v	v	
5.3	ROPS may be extended behind rear axle cut away					v	v	v	v
5.5	Engine mounting brackets welded, bolted or bonded to chassis				v				
5.6.1.1	Addition of a full width Ali panel under axle	v	v	v		v	v	v	
5.6.1.1	Addition of a full width Ali or plywood panel under engine	v	v	v		v	v	v	
5.6.1.1	Bodywork								
5.6.1.1	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
5.6.1.1	Ali or steel access panels in bulkhead & to aid gearbox removal - Free Class A, B, (D & E +4 & SLR)	v	v	v		v	v	v	v
5.6.1.3	Additional cooling hole in front face of front wing		v	v	v	v			
5.6.1.3	Additional cooling duct in top of front wing				v				
5.6.1.3	Additional cooling duct in inner half of top of front wing				v				
5.6.1.4	Additional bonnet side scoop						v	v	
5.6.1.4	No door body frame (production cars only)	v							
5.6.1.3	Original Morgan front cowl only (Steel or Superform Ali)	v	v	v	v	v	v	v	v
5.6.1.3	Morgan style front cowl Superform Ali, Steel or Fibre glass with strengthening					v	v	v	v
5.6.1.4	Front Bumper mounted front air dams or spoiler - Material Free - Drawing 1 Appendix 3		v	v	v	v			
5.6.1.4	Max protrusion of splitter 7.5cm following contours of air dam, or spoiler except Aero 8 / GTN		v	v	v	v			
5.6.1.4	Plus 4 Super Sports style front valance (to protect oil cooler) - Drawing 2, Appendix 3	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	
5.6.1.4	Front Wing mounted spoiler - Material Free - see Drawing 3, Appendix 3	v	v	v		v	v	v	
5.6.1.4	Diffuser behind the rear axle line - must not protrude beyond rear bodywork				v				
	Ground Clearance Minimum (under bottom of Z section immediately behind cross member (Not U) on traditional cars. Mid point between front & rear wheels on Aero.								
5.6.1.5	102mm						v	v	
5.6.1.5	127mm	v	v	v	v	v			v
5.8.1	Suspensions								
5.8.1	Match the Std Rocker arm & inboard damper arrangements in material & dimensions				v				
5.8.1	Front Frame lower tube position (max 22mm to bottom of Z section)	v	v	v		v	v	v	v
5.8.1	Morgan stub axles & wishbones				v				
5.8.1	Front Hubs Material :Free	v	v	v		v	v	v	
5.8.1	Fitting of twin brake master cylinders & balance bar - adjustable by driver when seated in car								
5.8.1	Strengthening of wishbones				v				
5.8.1	Replacement of damper blades with Roller Bearings	v	v	v		v	v	v	
5.8.1	Front Wheel Castor & Camber - Free				v				v
5.8.1	Front Wheel - Max Camber 2 Degree & Castor 6 degrees (+ or - 1/4)						v	v	
5.8.1	Front Wheel - Max Camber 1 Degree & Castor 6 degrees (+ or - 1/4)	v	v	v		v			
5.8.1	2.25" Dia Adjustable platform front springs				v				
5.8.1	Front Anti Roll Bar (SLR Only D6)				v				
5.8.1	Rear anti Roll Bar				v				
5.8.1	Rear anti-tramp bars - max 2	v	v	v		v	v	v	
5.8.1	Use of min 4 Std Morgan semi-elliptical Leaf Springs	v	v	v		v	v	v	v
5.8.1	Rear Spring Rates Free - Coil	v	v	v	v				
5.8.1	Independent rear suspension				v				
5.8.1	Morgan production 5 link rear suspension consisting of Trailing arms, live axle, coil overs & Panhard rod	v	v	v		v	v	v	

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
--------	-------------------------------------------------------------------------------------------------	---	---	---	---	---	---	---	---