

MSA Blue Book Regulations apply to all appendices		AR Motorsport Morgan Technical Regulations 2019														
Para	Appendix 1	Classes A - G - J - R - S - H														
5.2		Class A				Class G			Class J				Class R		Class S	Class H
5.2	Permitted - Only if it shows "V"  Prohibited - If it shows "X"	8Cyl	6Cyl	4Cyl	4 Cyl	ARV6	6Cyl	6Cyl	Aero	8 Cyl	Baby Doll, +4 SS, & Class D (9)	4Cyl. Class from D (2-8)	6Cyl	+4	+4	8 Cyl
5.2	Maximum engine capacities	4600	3726	2500	2000	3726	3726	3000	4600	3999 / 4600	2000	2000	2999	2000	2000	3612
5.4	<b>Mot</b>															
5.4	MOT if required by law												√	√		
5.5	<b>General</b>															
5.5	<b>Chassis</b>															
5.5	Steel Z section ladder chassis with cross member box sections of a type produced by MMC and matching its dimensions	√	√	√	√	√	√	√		√	√	√	√	√	√	√
5.5	Aluminium bonded & riveted chassis of a type produced by MMC and matching its dimensions								√							
5.5	Galvanising of Chassis	√	√	√	√		√	√		√	√	√	√	√	√	√
5.5	Reinforcing of the chassis	√	√	√	√											
5.5	Localised modifications to rear spring front hanger cross member to facilitate fitment of a race seat	√	√	√	√	√	√	√		√	√	√	√	√	√	√
5.5	Front leg gusset maximum size - 18.5" Length x 7.5" Width					√	√	√		√	√	√	√	√	√	√
5.5	Front leg gusset - Free	√	√	√	√											
5.3	Scuttle hoop	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
5.3	Single door bars	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
5.3	Twin door bars	√	√	√	√	√	√	√	√	√	√					
5.3	ROPS may be extended forward to front frame & strengthen bulkhead	√	√	√	√											
5.3	ROPS may be extended behind rear axle cut away	√	√	√	√											√
5.3	ROPS welded to chassis	√	√	√	√											
5.5	Engine support cradle / frame 25mm (1") box section, inc engine brackets welded to chassis	√	√	√	√											
5.5	Engine mounting brackets welded, bolted or bonded to chassis	√	√	√	√				√							
5.5	Position and design of engine mounting brackets free	√	√	√	√											
5.6.1.1	Cross member linking - engine mounting brackets - either 1off 50mm (2") x 25mm (1") or 2 off x 25mm (1") x 25mm (1") box section - Welded or bolted to chassis	√	√	√	√											
5.6.1.1	Engine mounting rubber bushes - Free	√	√	√	√											
5.6.1.1	Engine and or gearbox torque reaction steady bar	√	√	√	√											
5.6.1.1	Composite Material for floors under chassis for reinforcement Maximum 14 mm thickness - (Addition of 14mm composite floors is only permitted on cars constructed prior to the 2014 season) - (Slot to be provided so as to allow minimum ride height measurement to be taken from chassis)	√	√	√	√											
5.6.1.1	solid material (max thickness 3mm) one piece panel under chassis (min ride height applies)	√	√	√	√											
5.6.1.1	Simple Metal Floor as a direct replacement of standard boards max 3mm thickness	√	√	√	√	√	√	√		√	√	√	√	√	√	√
5.6.1.1	Simple Metal Floor panel under seat (3mm steel or 6mm Ali) to facilitate seat mounting	√	√	√	√	√	√	√		√	√	√	√	√	√	√
5.6.1.1	Addition of a full width Ali panel under axle	√	√	√	√	√	√	√		√	√	√				



















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Para	Appendix 2	Classes A - G - J - H - R - S																	
		Class A				Class G			Class J					Class H	Class R			Class S	
5.2		8Cyl	6Cyl	4 Cyl	4 Cyl	6Cyl	6Cyl	6Cyl	8Cyl		4Cyl	4Cyl	4Cyl	8Cyl	6Cyl	6Cyl	4 Cyl	4 Cyl	
5.2	Permitted - Only if it shows "V"		Inc AVR6			ARV6	Roadster	Roadster	Aero	+8	+8	+ 4 SS	Baby Doll	4/4 & +4	HSCC Spec	Roadster		+ 4 SS	+4 Club Sport
5.2	Prohibited - If it shows "X"														S1	S2			
5.2		Rover	Cyclone V6	Duratec 14	Any 4cyl - from classes - D (2 to 9)	Cyclone V6	Cyclone V6	Duratec 30	BMW MT62 / N62	Rover	Rover	Mazda MZR (1)	Duratec 14, Class D (9)	Any 4cyl - from - Class D (2 to 8)	Rover	Duratec 30	Duratec 30	Mazda MZR (1)	Ford GDI
5.2	Max Capacity cc	4600	3726	2500	2000	3726	3726	3000	4600	4600	3999	2000	2000	2000	3612	2999	2000	2000	
5.7.1	Compression ratio - Free	✓	✓	✓	✓									✓					
5.7.1	Max compression ratio 12.5:1											✓	✓	✓					✓
5.7.1	Max compression ratio 11:1					✓	✓												
5.7.1	Max compression ratio 10.5:1								✓	✓									
5.7.1	Max compression ratio 10:1							✓							✓	✓	✓		
5.7.1	Max compression ratio 9.35:1									✓									
5.7.1	Forced Induction				✓														
5.7.1	Maximum Boost Pressure 1.5 Bar				✓														
5.7.1	Maximum Single Scroll turbo, maximum size (under review for 2019)				✓														
5.7.1	<b>Engine RPM</b>																		
5.7.1	Engine RPM - Free				✓														
5.7.1	Max Engine RPM 8750			✓							✓	✓	✓						
5.7.1	Max Engine RPM 8250		✓																
5.7.1	Max Engine RPM 7750							✓											
5.7.1	Max Engine RPM 7600																✓	✓	
5.7.1	Max Engine RPM 7500	✓																	
5.7.1	Max Engine RPM 7000					✓	✓							✓	✓	✓			
5.7.1	Max Engine RPM 6500								✓	✓									
5.7.1	Max Engine RPM 6250								✓										
5.7.1	<b>Camshafts</b>																		
5.7.1	Cam shaft - Free - position in block or head Std	✓	✓	✓	✓			✓					✓	✓					
5.7.1	Std cams					✓	✓		✓	✓					✓	✓	✓	✓	✓
5.7.1	Std cams Inlet - Kent OMC005, Exhaust - Kent OMC006												✓						
5.7.1	Cams with VVC - Inlet cam - Kent OMC011, Exhaust Cam - Kent OMC004											✓							
5.7.1	Cams without VVC - Inlet man - Kent OMC 011, Exhaust cam - Kent OMC004											✓							
5.7.1	Crane H218 or JEDH218										✓								
5.7.1	Timing chain assembly - Free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					



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5.2	Max Capacity cc	4600	3726	2500	2000	3726	3726	3000	4600	4600	3999	2000	2000	2000	3612	2999	2000	2000	
5.7.7	Challenge series approved Omex or MBE Ecu (locked)																		
5.7.7	Morgan/Aero Racing supplied ECU (Locked)					✓	✓												✓
5.7.7	Ecu's are liable to be changed by the organisers for another of the same type & specification					✓	✓	✓								✓	✓	✓	✓
5.7.7	Electronic Ignition (not programmable on carb / injection / distributor cars)										✓			✓					
5.7.7	Prohibited Ignition																		
5.7.7	Switchable programs / maps	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5.7.5	Induction & Fuel systems																		
5.7.5	Induction system - Free	✓	✓	✓	✓														
5.7.5	Std production inlet manifold & trumpet bases to air cleaner					✓	✓	✓	✓	✓	✓			✓					
5.7.5	Std production inlet manifold & air flow meter																		✓
5.7.5	Change of Inlet Manifold	✓	✓	✓	✓														
5.7.5	Cable Operated Throttle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.7.5	SU/Stromberg carbs up to a max of 2									✓	✓								
5.7.5	SU / Stromberg carbs 1.75" max of 2													✓					
5.7.5	2 x twin choke carburetors Maximum 48mm choke													✓					
5.7.5	42mm throttle body kit																		
5.7.5	45 mm throttle body kit																	✓	
5.7.5	48 mm throttle body kit											✓	✓						
5.7.5	50mm throttle body kit													✓					
5.7.5	Challenge fuel chip (14 CUX)									✓	✓								
5.7.5	Bosch EV6 Injectors									✓	✓								
5.7.5	Carb Needles - Free													✓					
5.7.8	Adjustable Fuel pressure regulator Injection	✓	✓	✓	✓			✓	✓	✓	✓								
5.7.8	Adjustable Fuel pressure regulator Carbs	✓			✓				✓	✓				✓	✓				
5.7.8	Fuel Pumps injection - Free	✓	✓	✓	✓			✓	✓	✓				✓					

