

MSA Blue Book Regulations Apply to all Appendices		AR Motorsport Morgan Technical Regulations 2019 V(a) - DRAFT																	
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" Prohibited - If it shows "X"		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		Rover	Cyclone V6	Duratec 14	Any 4cyl -from classes - D (2 to 9)	Cyclone V6	Cyclone V6	Duratec 30	BMW M162 / N62	Rover	Rover	Mazda MZR (L)	Duratec 14, Class D (9)	Any 4cyl - from - Class D (2 to 8)	Rover	Duratec 30	Duratec 30	Mazda MZR (L)	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	Engine General Blocks																		
5.7.1	Std block production castings	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	P6, SD1 or Cocast castings/forgings	✓								✓	✓				✓				
5.7.1	Cross bolted blocks	✓								✓	✓				✓				
5.7.1	P6 or SD1 Block	✓									✓				✓				
5.7.1	Std bore + rebore up to maximum capacity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Std stroke	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.2	Engine Prohibited																		
5.7.2	Use of other than a complete Std M62/N62 Engine								✓										
5.7.1	Heads																		
5.7.1	Std production Head Casting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Use of P6, SD1 or Cocast castings / forgings	✓								✓	✓				✓				
5.7.1	Use of production Twin cam heads		✓	✓		✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓
5.7.1	P6 or SD1 Heads	✓								✓	✓				✓				
5.7.1	Modified cylinder heads, No adding of material, Std production valves							✓		✓	✓	✓	✓	✓					
5.7.1	Modified heads, but No adding of material	✓	✓	✓	✓									✓					
5.7.1	Valve sizes - Free	✓	✓	✓	✓									✓					
5.7.1	Uprated valve springs	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓				
5.7.1	Crankshafts & Conrods																		
5.7.1	Std stroke		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Crankshaft free - Std firing order	✓	✓	✓	✓							✓	✓	✓					
5.7.1	Connecting rods - Free	✓	✓	✓	✓			✓				✓	✓	✓	✓				
5.7.1	Harmonic dampers & front pulleys free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Balancing Permitted	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	HD Con Rod Bolts	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Pistons																		
5.7.1	Pistons - Free	✓	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓				
5.7.1	Pistons free may protrude above cylinder block		✓	✓								✓	✓	✓					✓

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		Class A				Class G			Class J				Class H	Class R					
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 (L)	Duratec 14, Class D (9)	Any 4cyl - from - Class D (2 to 8)	Rover	Duratec 30	Duratec 30	Mazda MZR (L)	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	Crane H218 or JEDH218																		
5.7.1	Timing chain assembly - Free	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓				
5.7.1	Cam belt assembly - Free				✓									✓					
5.7.1	Removal of VVT assembly's		✓																
5.7.1	Chain & belt guides - Free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Solid Lifters	✓		✓	✓									✓				✓	✓
5.7.1	Followers - Free	✓	✓	✓	✓					✓	✓			✓	✓				
5.7.1	Std Ali rocker arms									✓	✓				✓				
5.7.1	Ali or Steel rocker arms - Std Ratio									✓	✓				✓				
5.7.1	Modified rocker arms	✓		✓	✓														
5.7.1	Steel or Ali pillars with Outrigger Supports	✓		✓	✓					✓	✓			✓	✓				
5.7.4	Lubrication																		
5.7.4	Oil Coolers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.4	Accusump Pressure System								✓										
5.7.4	Dry Sumping	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓						
5.7.1	Modified / Reduced depth sump, baffling & modified oil pick up	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.1	Modified / Reduced depth sump, must retain original pick up							✓			✓	✓	✓			✓	✓		
5.9.1	Clutch & Flywheel																		
5.9.1	Flywheel - Free	✓	✓	✓	✓							✓	✓	✓					
5.9.1	Clutch Size - Free	✓	✓	✓	✓							✓	✓	✓					
5.9.1	Lightened Flywheel	✓	✓		✓			✓	✓	✓				✓					
5.9.1	Solid replacement for dual mass flywheel, at 75% of Std weight					✓	✓	✓	✓				✓	✓		✓	✓	✓	✓
5.9.1	Balancing Permitted	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.4	Cooling																		
5.7.4	Cooling system - Free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.7.7	Ignition Systems																		
5.7.7	Ignition / ECU - Free	✓	✓	✓	✓							✓	✓	✓					
5.7.7	Std Morgan production ECU system									✓	✓	✓				✓	✓		

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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
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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	Morgan Std ECU (remap allowed)							✓		✓	✓								
5.7.7	Remap allowed Morgan M62 TUB44								✓										
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 carburettors 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 Maximum-													✓					
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	✓	✓	✓	✓			✓	✓	✓				✓					

