

AR Motorsport Morgan Challenge Technical Regulations 2023

Motorsport UK Blue Book Regulations apply to all appendices

Para	Class 5	165 Mean BHP per Tonne									
	Appendix 2	Specification E									
5.2	<u>Permitted - Only if it shows "v"</u>	Moss 4 SPD	Pre X (1)	X Flo (2)	Fiat (3)	M/T (4)	TR (5)	TR (6)	Zetec (7)	Sigma (8)	Dura (9)
Para	<u>Prohibited - If it shows "X"</u>	Rover	Ford Kent	Ford Kent	Fiat	Rover M / T	TR	TR	Zetec	Ford Sigma	Duratec 14
	Max Capacity cc	3612	1598	1700	2000	2000	2000	2238	1800	1600	2000
5.7	Engine General										
5.7.1	Heads										
5.7.1	Use of production Twin cam heads				v	v			v	v	v
5.7.1	Modified cylinder heads, No adding of material, Std production valves				v	v			v		
5.7.1	Modified heads, but No adding of material, valve sizes - Free		v	v			v	v			
5.7.1	Valve sizes - Free (added to above)										
5.7.1	Crankshafts & Conrods										
5.7.1	Crankshaft free - Std firing order		v	v			v	v			
5.7.1	Connecting rods - Free		v	v			v	v			
5.7.1	Pistons										
5.7.1	Pistons - Free		v	v			v	v			
5.7.1	Pistons free may protrude above cylinder block				v		v	v			
5.7.1	Compression ratio										
5.7.1	Compression ratio - Free		v	v			v	v			
5.7.1	Max compression ratio 12.5:1										
5.7.1	Max compression ratio 11.5:1										
5.7.1	Max compression ratio 11:1								v	v	
5.7.1	Max compression ratio 10.5:1	v			v	v					v
5.7.1	Engine RPM										
5.7.1	Engine RPM - Free		v	v							
5.7.1	Max Engine RPM 7500 (Std length rods rev to 7500)						v	v	v		
5.7.1	Max Engine RPM 7250						v	v			
5.7.1	Max Engine RPM 7000									v	v
5.7.1	Max Engine RPM 6500 (Increase these to 7k in line with others)				v	v					
5.7.1	Max Engine RPM 6250	v									
5.7.1	Camshafts										
5.7.1	Cam shaft - Free - position in block or head Std		v	v			v	v			
5.7.1	Std cams					v			v	v	v
5.7.1	Std P6 or SD1	v									
5.7.1	Followers - Free	v	v	v	v	v	v	v			
5.7.1	Ali or Steel rocker arms - Std Ratio	v									
5.7.1	Modified rocker arms		v	v			v	v			
5.7.1	Steel or Ali pillars with Outrigger Supports		v	v			v	v			
5.7.4	Lubrication										
5.7.4	Dry Sumping		v	v							
5.9.1	Clutch & Flywheel										
5.9.1	Flywheel - Free		v	v			v	v			
5.9.1	Clutch Size - Free		v	v			v	v			
5.9.1	Lightened Flywheel	v			v	v			v		
5.9.1	Solid replacement for dual mass flywheel, at 75% of Std weight									v	v

5.7.7	<u>Ignition Systems</u>											
5.7.7	Ignition / ECU - Free							√				
5.7.7	Std Morgan production ECU system				√						√	
5.7.7	Challenge series approved Omex Ecu								√			
5.7.7	Electronic Ignition (not programmable on carb / injection / distributor cars)	√	√	√	√		√	√				
5.7.5	<u>Induction & Fuel systems</u>											
5.7.5	Std production inlet manifold & trumpet bases to air cleaner	√			√	√						√
5.7.5	Change of Inlet Manifold		√	√			√	√	√			
5.7.5	Cable Operated Throttle	√	√	√	√	√	√	√	√	√	√	√
5.7.5	SU / Stromberg carbs 1.75" max of 2	√					√	√				
5.7.5	Maximum 2 x twin choke carburettors 40mm			√	√	√			√			
5.7.5	Maximum 2 x twin choke carburettors 42mm							√				
5.7.5	Maximum 2 x twin choke carburettors 45mm		√				√					
5.7.5	42mm throttle body kit									√		
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 Carbs - Free	√	√	√	√	√	√	√	√			
5.7.8	Std Fuel Pumps				√	√			√	√	√	
5.7.5	Air Filter element free - must fit Std housing									√	√	
5.7.5	Remove blanking plate above Radiator and extend air intake to duct cold air into Std air filter housing									√		