

Morgan Challenge Technical Regulations 2024

Motorsport UK Blue Book Regulations apply to all appendices

Class 5

185 Mean BHP per Tonne

Specification

Appendix 2

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Para	Permitted - Only If it shows "V"	Moss	Rover	Rover	X Flo	Fiat	M/T	TR	Zetec		Sigma	Dura	+4
		4 SPD	4 Spd	5 Spd	(2)	(3)	(4)	(5)	(6)	inc 170 (7)	(8)	(9)	
	Prohibited - If it shows "X"	Rover	Rover	Rover	Ford Kent	Fiat	Rover M/T	TR	Zetec	Zetec	Ford Sigma	Duratec I4	Club Sport
	Max Capacity cc	3612	3612	3612	1700	2100	2100	2300	1814	1998	1700	2000	2000
5.7	Engine General Blocks												
5.7.1	Std bore + rebore up to maximum capacity	v	v	v	v	v	v	v	v	v	v	v	
5.7.1	Heads												
5.7.1	Use of production Twin cam heads					v	v		v	v	v	v	v
5.7.1	Modified cylinder heads, Std production valves, No adding of material.					v	v			v			
5.7.1	Modified heads, but No adding of material				v	v	v	v	v	v	v		
5.7.1	Valve sizes - Free				v	v	v	v	v	v	v		
5.7.1	Uprated valve springs	v	v	v	v	v	v	v	v	v	v	v	v
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	v	v	v		
5.7.1	Pistons												
5.7.1	Pistons - Free				v	v	v	v	v	v	v		
5.7.1	Pistons free may protrude above cylinder block							v			v		
5.7.1	Compression ratio												
5.7.1	Compression ratio - Free				v			v					
5.7.1	Max compression ratio 12.5:1										v		
5.7.1	Max compression ratio 11.5:1								v				
5.7.1	Max compression ratio 11:1					v	v			v			
5.7.1	Max compression ratio 10.5:1	v	v	v								v	v
5.7.1	Engine RPM												
5.7.1	Engine RPM - Free				v								
5.7.1	Max Engine RPM 8250										v		
5.7.1	Max Engine RPM 7500					v	v	v	v	v		v	
5.7.1	Max Engine RPM 6750												v
5.7.1	Max Engine RPM 6250	v	v	v									
5.7.1	Camshafts												
5.7.1	Cam shaft - Free - position in block or head Std				v			v					
5.7.1	Std cams											v	v
5.7.1	Std P6 or SD1	v	v	v									
5.7.1	Omex - Inlet cam. Or Kent - OMC005. Omex -Exhaust cam. Or Kent: OMC006.											v	
5.7.1	Propriety manufactured & available Camshafts Maximum Duration 285°					v	v		v	v	v		
5.7.1	Followers - Free	v	v	v	v	v	v	v					
5.7.1	Ali or Steel rocker arms - Std Ratio	v	v	v									
5.7.1	Modified rocker arms				v			v					
5.7.1	Steel or Ali pillars with Outrigger Supports				v			v					
5.7.1	Camshaft / valve / head configurations not used by MMC in production - (SLR only)							v					
5.7.4	Lubrication												
5.7.4	Dry Sumping				v								
5.7.4	Sump pan may be baffled for oil control												v
5.9.1	Clutch & Flywheel												
5.9.1	Flywheel - Free				v	v	v	v	v	v	v	v	
5.9.1	Clutch Size - Free				v	v	v	v	v	v	v	v	
5.9.1	Lightened Flywheel	v	v	v									
5.9.1	Solid replacement for dual mass flywheel, at 75% of Std weight										v	v	v
5.7.7	Ignition Systems												
5.7.7	Ignition / ECU - Free				v	v	v		v	v	v	v	
5.7.7	Electronic Ignition (not programmable on carb / injection / distributor cars)	v	v	v				v					
5.7.7	Morgan / Aero Racing supplied ECU (Locked)												v

5.7.5	Induction & Fuel systems													
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 45mm					✓	✓	✓	✓	✓				
5.7.5	Maximum 2 x twin choke carburettors 48mm				✓									
5.7.5	45 mm throttle body kit											✓	✓	
5.7.5	45mm throttle body's				✓	✓	✓		✓	✓				
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				✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.7.8	Fuel Pumps Carbs - Free	✓	✓	✓	✓	✓	✓	✓	✓	✓				
5.7.6	Exhaust system													
5.7.6	Exhaust manifold - Naturally aspirated - Free	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓