

Morgan Challenge Technical Regulations 2024

Motorsport UK Blue Book Regulations apply to all appendices

Class 2		265 Mean BHP per Tonne									
Appendix 2		Specification G			Specification J						Specification H
Para	Permitted - Only if it shows "v"	6Cyl	6Cyl	6Cyl	8Cyl			4Cyl	4Cyl	4Cyl	8Cyl
	Prohibited - If it shows "X"	AR V6	Roadster	Roadster	Aero	Plus 8	Plus 8	Plus 4 SS	Baby Doll	4/4 & Plus 4's	Plus 8
5.2		Cyclone V6	Cyclone V6	Duratec 3.0	BMW M162 / N62	Rover	Rover	Mazda MZR (1)	14. Duratec (9) Class D	Any 4Cyl - from - Class D (2 to 8)	Rover
5.2	Max Capacity cc	3726	3726	3000	4600	4600	3999	2000	2000	2000	3612
5.7	Engine General Blocks										
5.7.1	Cross bolted blocks					v	v				v
5.7.1	Std bore + rebore up to maximum capacity	v	v	v	v	v	v	v	v	v	v
5.7.2	Engine Prohibited										
5.7.2	Use of other than a complete Std M62/N62 Engine				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	v	v		
5.7.1	Modified heads, Valve sizes Free, No adding of material					v	v	v	v	v	v
5.7.1	Uprated valve springs	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	
5.7.1	Connecting rods - Free			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	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							v	v	v	
5.7.1	Max compression ratio 11:1	v	v								
5.7.1	Max compression ratio 10.5:1				v						
5.7.1	Engine RPM										
5.7.1	Max Engine RPM 8750			v		v	v	v	v	v	
5.7.1	Max Engine RPM 7000	v	v		v						v
5.7.1	Camshafts										
5.7.1	Cam shaft - Free - position in block or head Std			v				v	v	v	v
5.7.1	Std cams	v	v		v	v					
5.7.1	Crane H218 or JEDH218						v				
5.7.1	Followers - Free					v	v			v	v
5.7.1	Std Ali rocker arms					v	v				v
5.7.1	Ali or Steel rocker arms - Std Ratio					v	v				v
5.7.1	Steel or Ali pillars with Outrigger Supports					v	v			v	v
5.7.4	Lubrication										
5.7.4	Accusump Pressure System				v						
5.7.4	Dry Sumping	v	v	v		v	v	v	v	v	

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				✓							
5.7.7	Ignition Systems											
5.7.7	Ignition / ECU - Free	✓	✓	✓				✓	✓	✓		
5.7.7	Std Morgan production ECU system											
5.7.7	Morgan Std ECU (remap allowed)			✓		✓	✓					
5.7.7	Remap allowed Morgan M62 TUB44				✓							
5.7.7	Morgan/Aero Racing supplied ECU (Locked)	✓	✓									
5.7.7	Electronic Ignition (not programmable on carb / injection / distributor cars)						✓					✓
5.7.5	Induction & Fuel systems											
5.7.5	ECU System Free	✓	✓	✓								
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 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	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					✓	✓					
5.7.8	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					✓	✓				✓	✓
5.7.8	Only Std Fuel Pumps - injection	✓	✓		✓			✓	✓	✓		
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			✓								
5.7.6	Exhaust system											
5.7.6	Std or Race catalytic converters fitted (vehicles manufactured after 31st December 1999) MS UK regulations apply	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
5.7.6	Exhaust manifold and system:Free	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓