Morgan Challenge Technical Regulations 2024

Motorsport UK Blue Book Regulations apply to all appendices

	Class 5	185 Mean BHP per Tonne										
		Specification										
	Appendix 2	D										S
		Moss	Rover	Rover	X Flo	Fiat	M/T	TR	Zetec		Sigma	Dura	
	Permitted - Only If it shows "√"	4 SPD	4 Spd	5 Spd	(2)	(3)	(4)	(5)	(6)	inc 170 (7)	(8)	(9)	+4
Para	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	√	√	√	√	√	√	√	√	√	√	√	
5.7.1	**Heads**												
5.7.1	Use of production Twin cam heads					√	√		√	√	√	√	√
5.7.1	Modified cylinder heads, Std production valves, No adding of material.					√	√			√			
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	Crankshaft free - Std firing order				√	√	√	√					
5.7.1	Connecting rods - Free				√	√	√	√	√	√	√		
5.7.1	**Pistons**												
5.7.1	Pistons - Free				√	√	√	√	√	√	√		
5.7.1	Pistons free may protrude above cylinder block							√			√		
5.7.1	**Compression ratio**												
5.7.1	Compression ratio - Free				√			√					
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					√	√			√			
5.7.1	Max compression ratio 10.5:1	√	√	√								√	√
5.7.1	**Engine RPM**												
5.7.1	Engine RPM - Free				√								
5.7.1	Max Engine RPM 8250										√		
5.7.1	Max Engine RPM 7500					√	√	√	√	√		√	
5.7.1	Max Engine RPM 6750												√
5.7.1	Max Engine RPM 6250	√	√	√									
5.7.1	**Camshafts**												
5.7.1	Cam shaft - Free - position in block or head Std				√			√					
5.7.1	Std cams											√	√
5.7.1	Std P6 or SD1	√	√	√									
5.7.1	Omex - Inlet cam. Or Kent - OMC005. Omex -Exhaust cam. Or Kent: OMC006.											√	
5.7.1	Propriety manufactured & available Camshafts Maximum Duration 285°					√	√		√	√	√		
5.7.1	Followers - Free	√	√	√	√	√	√	√					
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				√			√					
5.7.1	Camshaft / valve / head configurations not used by MMC in production - (SLR only)							√					
5.7.4	**Lubrication**												
5.7.4	Dry Sumping				√								
5.7.4	Sump pan may be baffled for oil control												√
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	Electronic Ignition (not programmable on carb / injection / distributer cars)	√	√	√				√					
5.7.7	Morgan / Aero Racing supplied ECU (Locked)												√

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	√	√	√	√	√	√	√	√	√	√	√	√