Red to Check

AR Motorsport Morgan Challenge Technical Regulations 2022

Motorsport UK Blue Book Regulations apply to all appendices

Para	Class 5	190 BHP per Tonne									
	Appendix 2	Specification E									
5.2		Moss	Pre X	X Flo	Fiat	M/T	TR	TR	Zetec	Sigma	Dura
	Permitted - Only If it shows "√"	4 SPD	(1)	(2) (2)	(3) (5)	(4) (7)	(5) (6)	(5) (6)	(6) (4)	(8)	(9)
Para	Prohibited - If it shows "X"	Rover	Ford Kent	Ford Kent	Fiat	Rover M / T	TR	TR	Zetec	Ford Sigma	Duratec I4
	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				√	√			√	√	√
5.7.1	Modified cylinder heads, No adding of material, Std production valves				√	√			√		
5.7.1	Modified heads, but No adding of material, valve sizes - Free		√	√			√	√			
5.7.1	Valve sizes - Free (added to above)										
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 7500 (Std length rods rev to 7500)						√	√	√		
	Max Engine RPM 7250						√	√			
5.7.1	Max Engine RPM 7000									√	√
5.7.1	Max Engine RPM 6500 (Increase these to 7k in line with others)				√	√					
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	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		√	√			√	√			
5.7.4	Lubrication										
5.7.4	Dry Sumping		√	√							
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	Challenge series approved Omex Ecu									√	
5.7.7	Electronic Ignition (not programmable on carb / injection / distributer cars)	√	√	√	√		√	√			
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 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	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									√	