



Technical Notes – No. 014

Make – MG CAR COMPANY LIMITED.

Model – MG B

Applicable to Period F – Precision GTS 11

Issue #4

Based on [Homologation 72](#) & [Homologation 198](#)

Earliest specification applicable 1962



GENERATIONS TROPHY APPLICABLE TECHNICAL SPECIFICATION

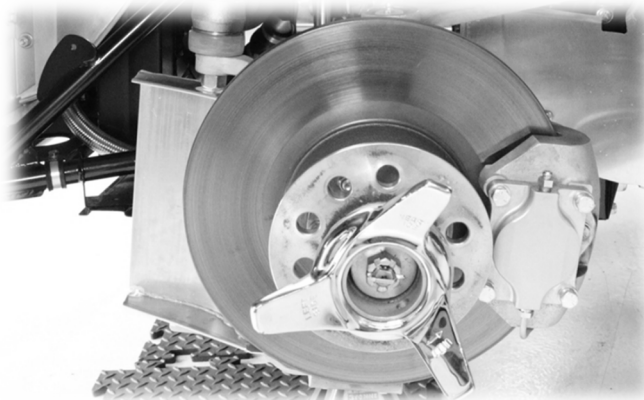
Item			Restriction / Notes
1.	Wheelbase	2310mm	Maximum authorized.
2.	Front Track	1250mm	
3.	Rear Track	1250mm	
4.	Minimum Weight	940kg	- Including driver on board, it can be measured at any time during a competition. Ballast is limited to 50kg, securely fixed and sealed.
5.	Maximum Fuel Capacity	110 litres	Maximum authorized.
6.	Chassis	Steel monocoque	- It is allowed to strengthen the chassis and/or bodywork by adding material. The added material must follow the original structure of the car and must be in contact with it at every point. - Other shapes, profiles, gussets or bracing are not permitted.
7.	Pedal box	Dual circuit conversion allowed, without modification of the position or attachment of the pedals, or structure of the car's body.	Brake bias adjustment must be removed from the dashboard and cannot be operable by the driver when seated.
8.	Brakes	FR. Solid – non ventilated, grooved or drilled – 273mm discs. Max. thickness 11mm. Girling 2 piston calipers Diam. of pistons: 53,98mm. RE. Drum brakes. Inner diam. of drum 254mm.	- Backing plate may be removed at the FRONT and drilled at the REAR through a maximum of 2 x 35mm diam. holes each side. - Brake ducting is allowed using a backplate air flow guide. No additional air feed, boa, or enclosed boxing may be added for the purpose of cooling. See Note 1. - In any case, the purpose of brake cooling may not alter the bodywork of the car.
9.	Suspension	- Springs rate is free but must remain of the original production diameter. - Single adjustable lever dampers are authorized. - Anti roll bar may be used at the front only.	The maximum acceptable diameter of the FRONT anti roll bar must be no greater than 25mm max. - The anti roll bar cannot be of a tubular type, adjustable and must be one piece only.
10.	Bodywork	Bodywork must be steel only with the exception of aluminium skins being fitted for front wings, bonnet, boot lid and door skins.	Sebring type headlights cover may be fitted.

		- Bonnet, boot, door hinges must be retained. - GRP bonnet, front wings and boot lid may be fitted.	3 rear view mirrors are mandatory: one central, windscreen-mounted + one on each door. - Cooling ducts out of the front valance are forbidden, they must be retained in the original profile of the car. - Interior trim, door cards, dashboard should be retained, in accordance with production spec. as much as possible.
11.	Wheels & Tyres	FR. & RE. 5.50 x 14"	- Wire wheels and/or Minilite type alloy wheels. - Tyres TBC – 550L14 - Maximum of 5 new tyres per Competition.
12.	Dashboard, windscreen and side windows.	- Dashboard as per the production type. - Windscreen must be laminated glass only. - Side windows may be laminated glass and/or polycarbonate.	- Dashboard, see Note 2. - Polycarbonate and tempered windscreens are forbidden. - For side windows, polycarbonate min. thickness must be 4mm.
13.	Steering	Rack & pinion	Electric assisted steering is forbidden.
14.	Engine	- Maximum 1854cc - Bore x Stroke = 81,46x89mm - Cast iron block - Valve diameters: Homologation 72 39,8mm intake 34,23mm exhaust Homologation 198 39,68mm intake 33,11mm exhaust	- MRL Engine Capacity Certificate is mandatory. - Conrods must be on I beam type. - Forged pistons are allowed. - Sump may be baffled to prevent oil surge. - Engine oil cooler is authorized and limited to 1. - Oil pump and lines are free, providing it's a direct replacement to the original ones.
15.	Ignition	Distributor is free.	- In any case, the ignition triggering system must be mechanical and achieved through the distributor. - No form of electronic control of ignition timing advance/retard is permitted. Only springs and bobweights may be used to control the advance/retard of the ignition timing.
16.	REV limitation	- MSD 6AL (ref: MSD PN 6425 or 6420) mandatory. Set @7000RPM	
17.	Intake	2x SU HS4 1x Weber 45 or 48 DCOE	- Maximum spec. of carburetors authorized. - Intake manifold must of a type homologated.
18.	Exhaust	- The exhaust manifold must be of the type homologated. - Tubular construction is allowed. - Single tube design must be a straight tube with a single bend to go over the Y section.	- Diameter of the flange hole connection to the silencing pipe – Twin 41,275mm. - Design principle, see Note 3.

19.	Clutch	Single plate	Slave cylinder & fork as per the original period system.
20.	Gearbox	- BMC Standard 3 synchros and/or 4 synchros gearbox of a later model may be used. - It must be a 4-speed unit. - Straight-cut gears are authorized.	- Ratios used must comply with the ones homologated. See Note 4. - Dog engagement is forbidden. - Lever and linkage must comply with the period specification system. - Shift lights are authorized but limited to one single bulb only. No progressive system allowed.
21.	Differential	Salisbury plate differential of the original type.	- Torsen and/or Helical ATB Quaife systems are forbidden. - Final drive ratios used must comply with the ones homologated. See Note 5.
22.	Cooling	Standard steel	Aluminium radiators are an authorized replacement/alternative.

ADDITIONAL NOTES

Note 1 – Brake cooling.



Principle of airflow backplate guide accepted – Yes, it's not an MGB!

Note 2 – Interior.



Interior trim (dashboard, door panels) should conform to period specification as much as possible.

Note 3 – Tubular exhaust manifold design principle.



Authorized design principle for any tubular exhaust manifold used.

Note 4 – Homologated gear ratios.

	Set 1	Set 2
1st	28/11	11/28
2nd	31/20	19/32
3rd	25/26	29/22
4th	Direct	Direct
Constant	30/21	25/26

Note 5 – Homologated final drive ratios.

8/39	10/43
9/41	11/43
10/41	13/43