



MINI SEVEN RACING CLUB

CHAMPIONSHIP BULLETIN # 2_2018

RE: S-CLASS CLARIFICATIONS FOR 2018

To all M7RC Members and Associates,

It has been brought to the attention of the M7RC and its Committee that some of the Mini-7 S-Class regulations are open to interpretation.

The S-Class drivers requested that the Committee look into the class regulations due to rising engine costs and potential unnecessary modifications to what is a standard class. The class is based on a standard production 1275cc A or A+ Series engine and gearbox with modifications **ONLY** where specified.

Please take note of regulations TR.5.1 and SR.3.2.1:

TR.5.1 INTRODUCTION:

The following Technical Regulations are set out in accordance with the **current MSA specified format** and it should be clearly understood that if the following texts do not clearly specify that you can do it you should work on the principle that you cannot.

Refer also to SR 3.2.1 (parts may be checked against a control item at any time).

Clarifications to be included in the following sections:

TR.5.7.1.5

TR.5.7.2.2

TR.5.10.2.2

TR 5.7.1.5 MINI SEVEN S-CLASS ONLY

i) An original production Rover Cars A-Series five-port head casting, unmodified, but may have the block face surface-finish only.

Dry decking is prohibited.

To Clarify:

An original 1275cc production Rover Cars cylinder head, not copies. Valve seat inserts on the exhaust only. Three (3) angle valve seats allowed. Maximum valve diameter 33.3mm inlet, 29.4mm exhaust. Where necessary, cylinder heads may be drilled and tapped at the thermostat end to allow fitment of a temperature sensor. The heater take-off at no.4 end may be drilled and tapped for fitment of coolant pipes. Head may be drilled to allow 11 head studs. Non-original valve guides may be used of standard

length and fitted height as production. No modifications to valve spring seats. Any non-original parts used must respect OEM dimensions. Valve spring length is free, double valve springs are permitted. Titanium/aluminium valve spring caps prohibited.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

ii) Standard production 1275cc cylinder block mandatory. May be rebored, and/or have the head face surface-finish only. The gearbox mounting holes may be machined to take 5/16 or 8mm bolts. Bore 70.62mm. Stroke 81.3mm (2.78" x 3.20")

To Clarify:

To surface-finish the cylinder head deck face, means clean-up/levelling only.

Bores must be square to block face and in original position.

Any bore liners must be of Rover OEM material, i.e. spun iron with no coatings.

Permitted modifications for ease of maintenance and reliability: Fitting of core plug straps; threaded oil gallery plugs; chamfering of oil gallery to align bearing feed in main bearing shells.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

vi) Standard con rods. Three (3) may be balanced to suit one with un-machined small end/big end only.

To clarify:

Standard production 1275cc con rods must be used with original centres of 5.75". No bushes fitted to the small end. The small end cannot be honed out or resized to allow a standard diameter gudgeon pin to become a 'floating'-fit pin. One (1) con rod must remain standard, i.e. no balancing to the big end or small end. The big ends may be 'capped and honed' to resize to original internal diameter if they are oval.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

viii) Standard A+ steel push rods.

To Clarify:

Unmodified in any way, as fitted to a 1275cc standard production block.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

xi) Minimum unswept volume = 33cc

To Clarify:

Unswept volume = 33cc must include head gasket and spark plugs, as used in race spec.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

xiv) Single-choke carburettor, max choke size 36mm. A multi-choke carburettor may be used with one choke isolated.

To Clarify:

Fuel injection prohibited.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

xvi) The ignition distributor must be mounted in its original position. Ignition advance/retard must only be controlled by 'bob weights', spring, and/or vacuum means within the distributor. The low tension switching of the ignition system shall only be with a contact breaker or contact-less system (i.e. 'Hall effect' or light sensitive system) housed within the distributor body

To Clarify:

A distributor must be used and mounted in its original position. Some ignition systems use an external amplifier this is permitted. Mutli-coil systems i.e. wasted spark and programmable systems are prohibited.

TR 5.7.1.5 MINI SE7EN S-CLASS ONLY

xviii) Steel flywheel only. Minimum weight 8lb / 3.63kg

xix) Steel pressure plate only. Minimum weight 3lb / 1.362kg

To Clarify:

Minimum weight of flywheel to include straps and bolts.

Minimum weight of back plate/pressure plate does not include bolts.

TR.5.7.2.2 Mini Se7en S-Class and Mini Miglia S-Class;

Valve stems minimum ~~7.14mm~~ 7.00mm diameter.

To Clarify:

Dimension stated is valve guide internal diameter, this is a mis-print.

Valve stems minimum 7.00mm diameter. The valve stems are allowed to be waisted.

TR.5.10.2.2

i) Mini Se7en S-Class and Mini Miglia S-Class only; Standard production alternator and charging system must remain unaltered and operational

To Clarify:

Alternator must be similar in type and design to those fitted to the Rover production Mini.

Lightweight/race alternators are prohibited.

Although not stated anywhere, starter motors are free but must be fitted in the original mounting holes.

Issued by: Richard Williamson
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