

**TECHNICAL BULLETIN****SALOON CARS – TECHNICAL REGULATIONS AMENDMENT****REFERENCE:**

*CAMS Online Manual of Motor Sport, RACE – Specifications of Automobiles - 3<sup>rd</sup> Category: Touring Cars - Group 3K: Saloon Cars.*

[http://www.camsmanual.com.au/02\\_race.asp#3rd](http://www.camsmanual.com.au/02_race.asp#3rd)

**RATIONALE:**

*To amend the Saloon Car Technical Regulations.*

**ACTION:**

*Amend 2009 CAMS Manual of Motor Sport – RACE – Specifications of Automobiles - 3<sup>rd</sup> Category: Touring Cars - Group 3K: Saloon Cars as follows:*

**Part 1: Technical Regulations – EA/VN**

**2.3** The sealing and checking for eligibility as specified in these regulations will be performed by authorised ~~Saloon Car Racing Australia~~ **TASCCO** sealing officers. The presence of a seal will not automatically protect the car from being subject to a protest, or from examination by scrutineers.

**3.6** A footrest may be fitted to the left of the clutch pedal. A floor covering of anti-slip type may be fixed to the floor of the habitacle **drivers compartment**, forward of the driver's seat. Replacement pedal pads are permitted. A clutch pedal stop may be fitted.

**8.1** Each tyre used must be the KUMHO Ecsta 225/50R16 **or KUMHO Ecsta 245/40R17** V70A K90.

**8.2** All wheels must be CSA "Prowler" 16" x 8", **or CSA "Speedster" 17" x 8"** and be unmodified save for painting and polishing.

**9.3 (b)** Camshaft: The camshaft shall be part number SCRA3900, ~~which shall be obtained through SCRA~~. Engines sealed after 1 January 2004 must be fitted with the Crow Cams part number SCRA3900. Each camshaft must match the Crow Cams cam doctor report specific for that camshaft.

**Part 2: Technical Regulations – AU/VT****2. ELIGIBILITY****2.1 (b) Ford Falcon**

Vehicles eligible are the four-door AU Ford Falcon Forte sedans ~~(non-optioned and non-dedicated LPG)~~ with 4.0 litre six-cylinder MPI engines, five-speed manual transmissions, live rear axle assemblies and four-wheel disc brakes.

**3.12** The windscreen may be replaced by another one of laminated glass, possibly incorporating electric heating elements.  
**It is permitted to fit aftermarket windscreen demisters.**

**4.5** On the Commodore, it is permitted to either

- (a) reposition the lower control arm inner pivot point on the "K" frame an equal amount on both sides, on a horizontal plane **in line with the centre of the original pivot points**, as per Appendix B of these regulations; or

**4.7**

- (b) The AU Falcon top inner camber kits are free save that they must utilise the original mounting points, **and** respect the original horizontal plane and vertical height. **The centre pivot point on the camber kit must be 25mm from the centre of the mounting stud as per Appendix D of these regulations.**

**4.15** **It is permitted to re-locate the AU Falcon front damper assembly lower mounting hole a maximum of 20mm to achieve the desired ride height.**

**5.10** **It is permitted to fit rear cooling ducts.**

**6.8** **It is permitted to fit an approved data storage device, including a multi-display dash with only ability to store vehicle data.**

**Any device which has the capability of outputting any signal or data to the vehicle ECU, or that is capable of altering the vehicle engine functions in any way, irrespective of whether it is being used or not will be considered to be an ECU and therefore in breach of these regulations. Any such unit is specifically not permitted in the vehicle during competition. The data storage device must be mounted in a visually accessible position.**

**The software for the data storage device must not show any pin allocations set-up to read sensors other than those permitted.**

**The use of any form of real time telemetry or the transmission of any data other than a lap trigger signal to or from the vehicle is specifically prohibited.**

**The only approved data storage devices are as per the following:**

**AIM MXL Strata, Pista Pro Data acquisition systems, and the EMS mini logger that is supplied with the Stinger ECU.**

**Any other brand/make will be considered and accepted at the sole discretion of TASCCO, and must be certified and sealed by the manufacturer to the satisfaction of TASCCO to comply with the above.**

**Stand alone "lap timers" are free save that their only function is that of a lap timer.**

**6.9** **The maximum engine rpm (revs) for the VT Commodore is 6250 rpm.**

**The maximum engine rpm (revs) for the AU Falcon is 5800 rpm.**

**Maximum engine rpm must be set and sealed in the control Stinger ECU by Engine Management Systems P/L (EMS).**

**8.2** Each wheel must be CSA 'Gladiator' 17" x 8 **or CSA Speedster 17" x 8"** and be unmodified save for painting and polishing.

## **9(A). ENGINE – VT HOLDEN COMMODORE**

**9.8 (a) Engine block:** The engine block may be re-bored to a maximum of 1.00mm (0.040") oversize.

The only pistons permissible shall be ACL part number 6MKRY3802 or 6MKRY9381S. For ACL 6MKRY3802 pistons the minimum cylinder head combustion chamber volume is 50cc. For ACL6MKRY9381S pistons the minimum cylinder head combustion chamber volume is 54cc. The minimum permissible piston weight, with gudgeon pin, is 474g.

There must be two compression rings and a segmented oil ring on each piston.

The piston ring gaps may be adjusted but the gap in each compression ring must be transected by a single plane parallel to the cylinder bore.

The engine block face may be machined in a plane perpendicular to the cylinder bores. The **6MKRY93802** pistons must not protrude **above the block face** any more than 0.25 mm (0.010") from the engine block face at TDC.

**The ACL6MKRY9381 pistons must not protrude above the block face at TDC.**

**9(B). ENGINE – AU FORD FALCON**

**9.6 (b) Intake manifold:** The intake manifold may be glass bead blasted. It may be machined on the cylinder head mating face to obtain correct fitment to the engine. Match porting of the inlet manifold ports for a maximum distance of 6mm from the mounting face is permitted, as per Appendix D of these regulations.

The original air cleaner box must be removed and replaced with a cone-type replacement air element attached directly to the controlled air intake tube as supplied by Pacemaker - Part No 4001. It is permitted to remove the inlet manifold mounting lug to obtain correct fitment of the intake tube.

**It is permitted to fit an after market vacuum tank.**

**11.1 Engine:** It is permitted to remove the original fan and fit a replacement electric fan. The fan shroud may be removed. The thermostat is free as is the control system of the fan. The original radiator may be replaced provided that the original mounting points are utilised, the front plane of the radiator remains in the same location as the original and that no modifications are carried out for its fitment. The radiator design, construction and fitment must serve no purpose other than to cool the engine coolant. A protective mesh screen may be fitted in front of the radiator. A water filter may be fitted to the top radiator hose.

**It is permitted to fit radiator air ducting to the front of the radiator to aid engine cooling, provided that the bodywork is not altered for the purpose of its fitment, nor may it be fitted outside the confines of the standard bodywork. All ducting must serve no other purpose other than radiator coolant cooling.**

**ENDS**