

2009 World Challenge Technical Bulletin 7



To: World Challenge Participants
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Regarding: TC2 Regulations



Changes to the PRR related to the new TC2 class are listed below. All changes are effective immediately.

A list of cars currently classified in TC2 can be found in the TC Appendix A, available on the World Challenge website at <http://www.world-challenge.com/competitors/>. Teams interested in competing in a car not on the list should review the 2009 Competitor Information for information on the homologation process.

2009 Competitor Information can be found on the World Challenge website at <http://www.world-challenge.com/competitors/forms.php> under Miscellaneous Information. This document will provide new competitors with important information about the series, and has been updated with information regarding TC2.

Teams interested in competing in TC2 should review these documents, and contact the Technical Department with any questions.

Article 2.6.2.3, p. 40, add a new paragraph to the section as follows:

Touring Car 2 (TC2) is a sub-class within the Touring Car class. Power output ranges from 200 hp to 230 hp. TC2 cars must meet the Touring Car regulations of the PRR except as modified by Article 2.16. In the case of a conflict between the TC2 rules and the general World Challenge rules, the TC2 rules will have precedence.

Article 2.6.2.3, p. 40, change the fourth sentence to:

Power output ranges from 270 hp to 290 hp.

Article 2.6.3, p. 41, add a new paragraph to the section as follows:

These eligibility requirements do not apply to TC2 cars.

Add a new Article 2.16, as follows:

2.16: Touring Car 2 Specific Technical Regulations

2.16.1: TC2 Engine

2.16.1.1: The reciprocating parts must be stock OE parts but may be tooled enough to achieve balance. One piston and rod assembly must remain unaltered. The crankshaft and damper must exceed the minimum weight specified on the VTS.

2.16.1.2: Rocker arms, followers, push rods, valve springs, keepers, retainers, guides, seats, and valves must be stock OE parts.

2.16.1.3: Machining of the cylinder head is prohibited except that the bottom mating surface may be machined to achieve the factory specified compression ratio.

2.16.1.4: Camshafts must remain stock OE but the cam gears or sprockets may be replaced. Cam timing is unrestricted.

2.16.1.5: The stock OE exhaust manifolds are required. See Article 2.8.3.17 for additional exhaust system regulations.

2.16.1.6: Blocks may be sleeved to repair cylinder walls. See the VTS sheet for a vehicle's permitted overbore.

2.16.2: TC2 Suspension and Steering

2.16.2.1: Suspension springs may be replaced. Springs must be installed in the stock location using the stock system of attachment.

2.16.2.2: Shock absorbers and struts are unrestricted. Shocks/struts must be installed in the stock location using the stock system of attachment. Driver adjustable and/or electronically controlled shocks/struts are prohibited. If a remote reservoir/adjustment canister is used, only one may be used per shock/strut. The shocks/struts at each individual wheel may not be connected in any way.

2.16.2.3: Front and rear stabilizer bars may be replaced with any bars that attach to the stock attachment points. Driver adjustable stabilizer bars are not permitted.

2.16.2.4: Suspension components shall be the stock OE pieces. Standard suspension bushings may be replaced with non metallic bushings provided their installation does not require any modification. Replacement bushings must not alter the mounting location.

2.16.2.5: All steering components with the exception of the steering wheel must be the stock OE parts.

2.16.3: TC2 Chassis

2.16.3.1: Minimum ride height is 88.9mm (3.5in). Ride height will be measured from the lowest part of the car excluding suspension and complete wheels.

2.16.3.2: Chassis mounting points may not be modified in any way.

2.16.3.3: Sub-frames must be stock OE parts.

2.16.4: TC2 Brakes



2.16.4.1: Brake lines may be relocated, and rubber lines may be replaced with armored brake lines. Original equipment master cylinders and pedals must be retained. Hand brakes may be removed. Aftermarket brake proportioning valves are allowed.

2.16.4.2: Brake calipers must be stock OE parts.

2.16.4.3: Brake rotors must be stock OE parts or an aftermarket equivalent of the same material and dimensions.

2.16.4.4: ABS brake components may be removed and/or deactivated. Only OE ABS systems are permitted.

2.16.5: TC2 Aerodynamics

Aftermarket splitters and wings are not permitted.

2.16.6: TC2 Bodywork

The stock OE bodywork is required. Additional mounting brackets may be used in conjunction with the stock mounting locations to better secure the fascias to the chassis.

2.16.7: TC2 In Car Cameras

In car video is not required.