

Monaco Gran Prix Miniature Racing Club
MGPMRC
June 8, 2009
Rules, Procedures and Technical specifications

Class Rules / Specifications: **1/24 Flexi Modern Touring Cars** Road Racing Summer/Fall 2009

Car: 1:24 scale replica of the type of car, which ran in the Cars run in BTCC, WTCC, DTM and STCC series & ATCC/V8 Supercar, 1990-present The spirit of the class is a line-up of fairly recent cars that look very realistic.

Body: 1/24 scale clear plastic or lexan vacuum-formed body. Overall body shape must closely resemble the appearance of an actual car that raced in a touring class such as those listed above since its inception in the modern era. Must be painted and have a 3 dimensional driver and some form of an interior so that the chassis may not be seen through the windows. It is desirable for the body to be painted and decorated similar to its prototype. The body may be mounted using any conventional means. The body may not be cut down and lowered to look like a "pancake". The bumpers must be intact and at least 1/8" in height (thickness) on both front and rear.

Chassis: May be any of the 1:24 "flexi" style commercially available stamped metal 2-or 3 piece chassis with 4 inch wheelbase and of the "angle-winder" motor configuration. Some of these are Parma "Flexi-Car", Flexi-2, Flexi-3, Flexi-4, Flexi-5. JK Cheetah, Cheetah-7. Champion Astro and Turbo-Flex. You must use the wider chassis intended for full width cars and trucks, not those which are narrower and intended for Indy type cars.

Weight may be added in the form of lead or ballast. The weight may not be in the form of brass, piano wire or some other structural material intended to enhance the original chassis. The front or rear axle mounts, the motor or the pickup mount may all be soldered, braced or strengthened if desired. Front axle must be as intended by chassis manufacturer. Axle bearings may be soldered or glued in place. Guide flag may be replaced if desired. Guide flag depth may be reduced to obtain proper depth but never extended to increase depth

Chassis must be covered completely by the body when viewed from directly above. Minor trimming of the chassis may be done only to allow body clearance. Pin tubes may be added for body mounting. Chassis must pass the minimum clearance test. Chassis must be constructed in such a manner as not to inflict injury or damage to corner marshals, anyone else, other cars or the track.

Wheels / Tires / Axles: All tires must be black or very dark as to appear black. Front wheels / tires may be of the "o-ring" type with no minimum width. The front axle is whatever was supplied with the chassis. The rear axle must be 1/8" diameter. Rear tires may be foam, tuna, silicone or similar or whatever. The maximum width is 3 1/4" from outside to outside of wheels, tires and axles and includes the width of chassis. Wheels and tires should not stick out significantly beyond body and should generally be covered by the body as viewed from above. Bodies are available that are wide enough to cover the wheels and tires.

Motors: Sealed Parma Deathstar motor or less is allowable. This includes the Parma 16d Deathstar Parma number 501(not the blueprinted version); Parma 16d pink endbell (either diapered or not); Parma white endbell; any Plafit Cheetah or any JK Falcon. This includes the Plafit Cheetah 1 which is the club "spec" motor. No other motors are allowed. Lead wires may be replaced. The motor may not be modified.

The pink and white endbell 16d's are Parma's are older predecessors to the Deathstar 16d and are assumed to be less powerful. If you are running one of those and it is not sealed or diapered and is significantly faster than a sealed Deathstar, it will be considered to be modified and be disallowed. These are allowed since some of the members still have a supply from a few years ago when the pink endbell was the club spec motor.

Gears: Must be 48 pitch, any size pinion or spur may be used resulting in any gear ratio. Be careful using the larger spur gears because these cars suffer from significant tire wear during races and clearance problems may occur regularly forcing frequent replacement of tires.

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General: Minimum ground clearance is 1/16" (.0625") except for wheels and tires and guide flag. Note that this includes the gears and any weight that may have been added on the bottom of the chassis. Maximum overall width of chassis, including outside of wheels and tires is 3 1/4" (3.25").

Track Power: This class will be run on Low Power as defined by the MGPMRC rules.

Tech Inspection: The determination of technical qualification for the event rests upon the discretion of the Technical Director. Either pre-race or at the conclusion of a race, if the results are challenged or at the discretion of the Technical Director, any car may be given a thorough breakdown inspection with the body removed. At that time the car may be disqualified at the determination of the Technical Director resulting in the removal of that car and driver from all points scoring positions for that race.