

MRO Spec 1/5th Scale

This is a new class we will be running using the FG Sportsline 4wd chassis.

We want this to be a fun class. They won't be the fastest cars on the track but that doesn't matter when there is a full field of cars racing door to door.

Chassis

-FG Sportsline 4wd---Chassis length from 510mm to 535mm are allowed.

-No aftermarket hop-up chassis or custom-made chassis will be allowed

Engine

-Only engine allowed will be the Zenoah G270RC with a Walbro 990 (bearings allowed) carburetor.

-Engines must be box stock. No modifying of the engine or aftermarket engine are allowed.

-Must use the stock exhaust that comes with the car. No modifying of the pipe will be allowed. No aftermarket pipes allowed.

-Must use Stock air filter. Pre-filter allowed.

Tires

-Any brand of 1/5 scale rubber tires are allowed.

-NO FOAM TIRES ALLOWED

-Tires can be treaded or slicks.

-No traction compound allowed.

Suspension/Drivetrain

-No one-ways or spools allowed. You can change the diff oil/grease but must maintain diff action.

-Shock oil and springs can be changed. Shocks must use factory mounting holes on shock towers and suspension arms. No drilling of new holes allowed.

-No aftermarket shock pistons or shock bodies allowed.

-No custom-made extensions that alter the position of the shocks will be allowed.

-No aftermarket or custom-made parts allowed.

Clutch/Brakes/Gearing

Only 2 shoe padded clutches are allowed. Use of the 6000rpm, the 7500rpm, and the 9500rpm clutch springs are permitted.

-No aftermarket centax or automatic clutch systems from Tourex or Turtle Racing or any 3 or more shoe clutch systems are allowed.

-Hydraulic braking systems are prohibited .

-Upgrades to the brake disks and brake pads is allowed,

-Alterations to the braking system to make the car have 4-wheel brakes is not allowed.

-Pinion and spur gear changes are allowed.

-No 2 Speed transmissions allowed.

Electronics/Radio Gear

-Radio gear is your choice. Use what comes with the car or change it out to your own. Limited to 1 Jumbo sized steering servo and 1 standard sized servo for throttle and brake.

-Servo mounts must remain stock.

-The battery type and size is your choice. Battery must be mounted to the bottom side of the battery mount. Position of battery mount can not be changed.

-Remote Kill Switch is REQUIRED. No Exceptions! This is a safety issue.

-No onboard traction control or electronic aids are allowed.

Fuel/Additives

-Gasoline shall be no higher than 94 octane.

-Octain boosters or other additives outside of two stroke oil are prohibited.

-VP premix (available at Tractor Supply) or Trufuel fuels are allowed.

-Non-Ethanol gasoline is allowed but can not exceed 94 octane.

Body/Bumper

-ALMS, DTM, GT, Australian Super-Car Bodies. Must have Grill and lights (painted or stickers).

-You are allowed to cut out the front side windows and rear window for engine cooling and access to the kill switch.

-Windshield, side skirts, grill, and rear bumper panel must remain stock.

-You will be required to remove the stock front plastic bumper and replace with a foam bumper kit.

-Front body mounts can be moved to a more typical vertical post in the hood area.

Approved Spec car upgrades

This is a list of approved parts upgrades to strengthen the car and limit the possibility of premature failures.

Fg68214---Ultra Stiff Rear Damper Mount

Fg07439---Alloy Gear Carrier 52mm

Fg68415---CVD Axles (to replace front dogbones and steering hub cups)

Fg06485/01---Aluminum Engine Small Mount

Fg04483/01---Front Body Mount Kit

Fg07072/02---Strengthened POM Rear Suspension Arm

Fg68325/01---Heavy Servo Saver Spring

Tuning Parts

Fg07183---Yellow Spring

Fg07183---red Spring

Fg07185---Violet Spring

Fg07186---Black Spring

Fg07191---Yellow Progressive spring

Fg08418---Foam Bumper Kit

Fg66261---5mm Front Sway Bar

Fg17171/06---5mm Rear Sway Bar

***It has been learned that the choke lever and plate mounted within the air box used on the 990 carburetor can close off from vibration, because of its upright vertical design. You are allowed to remove the choke and lever from within the air cleaner. The hole from the original pivot must be closed up to not allow any air or dirt inside the air cleaner.