

OFFICIAL OPEN CLASS TMAC COMPETITION RULES

(As of July 2026)

1. ELIGIBLE COMPETITION CARS

Participation is restricted to genuine TAMIYA Mini 4WD models from the following series:

- Laser Mini 4WD
- Mini 4WD REV Series
- Mini 4WD PRO Series
- Racer Mini 4WD Series
- Super Mini 4WD Series
- Fully Cowled Mini 4WD Series
- Aero Mini 4WD Series
- Mighty Mini 4WD Series
- Radio Controlled 4WD Series
- Truckin' Mini 4WD Series

Eligibility of specific models and chassis may vary depending on the competition category and race class. Tamiya Malaysia - PENN MART reserves the sole and absolute right to determine the eligibility of any vehicle, model, or series. The Race Committee's decision shall be final and binding.

2. COMPETITION VEHICLE SPECIFICATIONS

All competition vehicles must be genuine **TAMIYA Mini 4WD** models equipped with a **four-wheel drive (4WD)** drivetrain. Any modification converting the vehicle to front-wheel drive (FWD) or rear-wheel drive (RWD) is strictly prohibited.

The competition vehicle must be fitted with an official TAMIYA body that is securely mounted throughout the event. Each body must be visibly finished using the original decals, paint, or a combination of both. Homemade, scratch-built, or non-TAMIYA bodies are strictly prohibited.

To ensure fair competition and facilitate technical inspection, the body must remain clearly identifiable. Competition officials may reject vehicles with excessively modified, undersized, or incomplete bodies that prevent proper identification or compliance verification. Clear body shells that have been excessively cut, standalone wings, or similar components shall not be recognised as a valid competition body.

All competition vehicles must be assembled by the registered participant. However, assistance with assembly may be permitted where specifically authorised by the Event Organiser or where required for participants with disabilities or other circumstances requiring reasonable assistance.

All competition vehicles are subject to **mandatory Technical Inspection (Scrutineering)** before and at any time during the competition. Any vehicle that fails to comply with the Official TMAC Malaysia Technical Regulations or fails inspection shall not be permitted to participate, continue racing, or may be disqualified from the event.

3. COMPETITION VEHICLE DIMENSIONS & TECHNICAL SPECIFICATIONS

Width	Length	Height	Ground Clearance	Tire Diameter	Tire Width	Weight	Rollers	Drivetrain	Gears
									
Under 105mm Including all attached parts	Under 165mm Including all attached parts	Under 70mm Including wing	Over 1mm From flat surface	22-35mm Both front & rear	8-26mm Both front & rear	Over 90g w/ motor & batteries	Unlimited amount	Must be 4WD	Must be installed according to the set gear ratio

All competition vehicles must comply with the following dimensional and technical requirements throughout the event. Measurements shall be taken during Technical Inspection (Scrutineering), and vehicles may be re-inspected at any time during the competition.

a) Roller Regulations

The maximum number of guide rollers permitted on the competition vehicle is **unlimited**.

All rollers must remain genuine TAMIYA components and must not be modified in any manner, including but not limited to:

- Surface treatment
- Reshaping or material removal
- Any alteration affecting the original factory specifications

Only officially approved TAMIYA roller parts may be used.

Remark: Roller CNC and anodizing are allowed

b) Mass Damper Regulations

Mass dampers may be installed in accordance with the Official TMAC Malaysia Technical Regulations.

Where applicable, the rotating mass damper weight shall be positioned so that the complete weight remains within the imaginary line connecting the centre axes of the front and rear guide rollers.

There is no restriction on the mounting position of mass dampers, provided all other vehicle dimension requirements are satisfied.

Modification of any mass damper component is strictly prohibited.

c) Parts Mounting Restrictions

To ensure safe and fair competition, all components attached to the chassis shall comply with the following requirements:

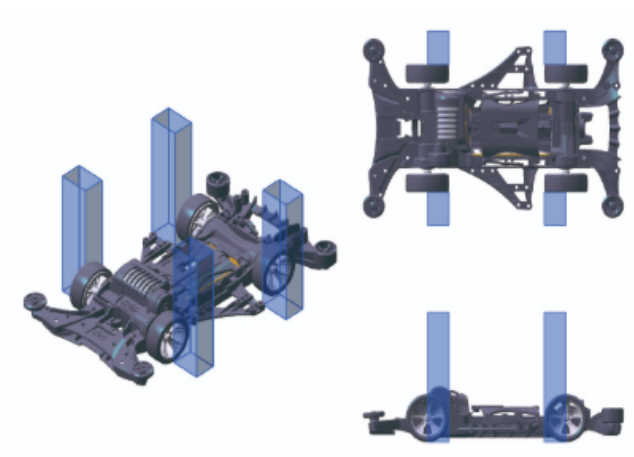
- No component may protrude beyond the outer edge of the tires between the **front wheel centre axle** and the **rear edge of the front tire**.
- No component may protrude beyond the outer edge of the tires between the **rear wheel centre axle** and the **front edge of the rear tire**.

For the purpose of these regulations, the **outer edge of the tire** is defined as the furthest point of the tire in the left and right directions.

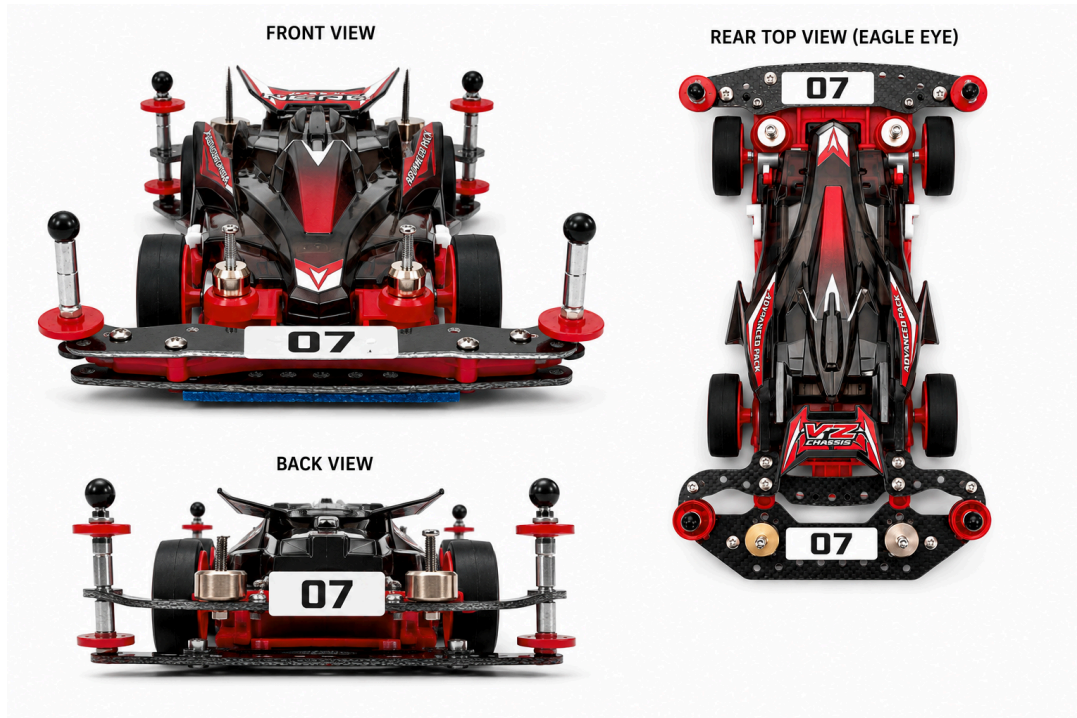
d) Body Exemption

The above mounting position restrictions do **not** apply to the competition body.

Components mounted exclusively to the body, including **high-mounted rollers**, are permitted provided they are positioned **above the centre axis of the tires** and comply with all applicable safety and dimensional requirements.



4. CAR REGISTRATION & CONTROL ID STICKER



(Car control ID sticker placement demo)

- a) Each racer may register a maximum of **two (2) competition cars**.
- b) During the official registration period, racers must present their selected cars to collect their **Control ID Stickers**.
- c) The Control ID Stickers **must be permanently applied** to the registered cars **before participating in any race**.
- d) Racers must complete sticker application **before the event/competition start**. Cars without a valid Control ID Sticker will not be permitted to race.

Control ID Sticker Rules

- Each registered car will receive **one (1) unique tamper-proof Control ID Sticker**.
- Stickers are **non-transferable** and **cannot be removed or replaced** during the event.
- Any damaged, altered, or tampered Control ID Sticker may result in **disqualification**.

Approved Sticker Placement

Apply the Control ID Sticker in one of the following locations:

- **Primary:** Wide Rear Brake Stay (Tail Section)
- **Alternative:** Front/Nose Section (if no rear brake stay is installed)

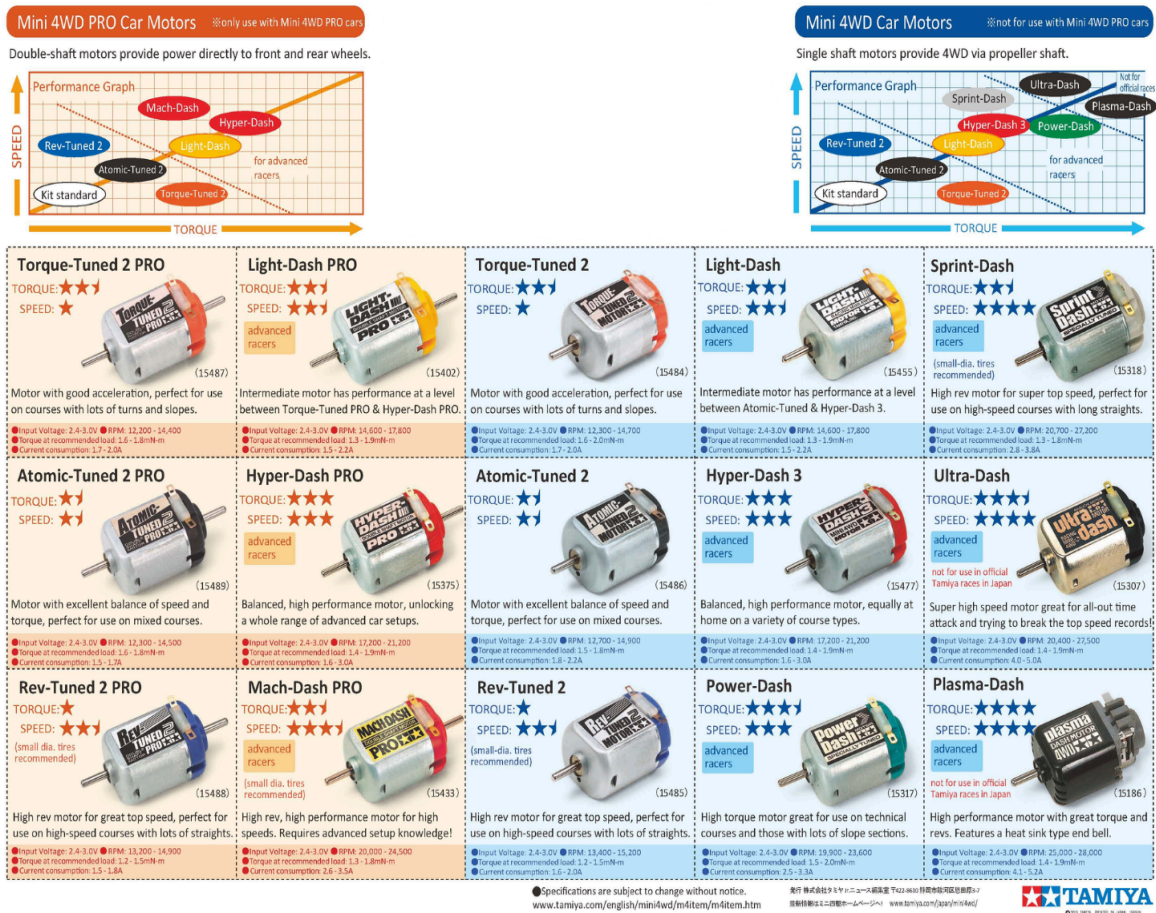
Prohibited Sticker Placement

Do **not** apply the Control ID Sticker on:

- Car body
- Body lanterns
- Inside the chassis
- Underneath the chassis
- Side of the chassis

Only the racer's own registered cars may be used throughout the competition. Using another racer's registered car will result in **immediate disqualification**.

5. Motor Modification Regulations



Only **genuine TAMIYA motors** approved for the respective competition class may be used. The selected motor must be fully compatible with the chassis for which it is designed. The use of a **single-shaft motor** in a **double-shaft chassis**, or a **double-shaft motor** in a **single-shaft chassis**, is strictly prohibited.

Any modification to the motor is strictly prohibited. Illegal motor modifications include, but are not limited to:

- Disassembling or opening the motor casing.
- Rewinding, replacing, or altering the armature windings.
- Pulling, bending, reshaping, or tampering with the motor terminals.
- Removing, loosening, or altering the motor end bell (motor cup), retaining tabs, or any factory-assembled components.

- Any machining, polishing, replacement, or modification that changes the original factory specifications or performance of the motor.

Any visible evidence that the motor end bell has been removed, opened, or tampered with, including signs that the retaining claws or locking tabs have been bent, lifted, or re-crimped, shall be deemed an **illegal motor modification**.

A motor found to have been modified or tampered with in any manner will result in the competitor being **immediately disqualified** from the event. The Race Committee may also confiscate the motor for technical verification where necessary.

6. BATTERY REGULATIONS

To ensure fair and consistent competition, only batteries officially approved by TAMIYA Malaysia - PENN MART may be used throughout the event.

- Only the designated TAMIYA Malaysia - PENN MART, approved Alkaline batteries are permitted for competition use.
- Approved batteries will be available for purchase at the event venue.
- Each registered competitor will also receive complimentary approved batteries each competition day, subject to the event's battery allocation policy.
- Competitors are strictly prohibited from using any battery that has been modified, altered, or tampered with in any manner.

Battery Label Requirements

To facilitate technical inspection and ensure battery authenticity:

- All battery labels must remain original, complete, and clearly identifiable.
- Batteries with torn, damaged, removed, covered, replaced, or altered labels shall be considered tampered batteries and are strictly prohibited.
- Any attempt to replace, reproduce, or modify the original battery label for identification purposes will be treated as battery tampering.

7. MODIFICATION REGULATIONS (OPEN CLASS)

The **Open Class** is intended to encourage innovation and technical development while maintaining fair competition and ensuring participant safety.

Competitors may modify their vehicles only within the limits specified in these Technical Regulations. Any modification not expressly permitted herein shall be subject to inspection and interpretation by the Chief Technical Inspector and the Race Committee.

Tamiya Malaysia - PENN MART reserves the sole and absolute authority to determine the legality of any modification, component, or installation not specifically covered in these regulations. All technical decisions shall be final, binding, and not subject to appeal.

a) Chassis Modifications

The original TAMIYA chassis may be modified only by:

- Cutting or trimming plastic material.
- Drilling or creating additional holes.
- Removing unnecessary plastic sections for weight reduction or component installation.

The use of homemade, custom-fabricated, 3D-printed, CNC-manufactured, or non-TAMIYA chassis is strictly prohibited.

b) Permitted Parts

Only genuine **TAMIYA** parts manufactured for the following product series are permitted:

- TAMIYA Mini 4WD
- TAMIYA Mini 4WD PRO
- TAMIYA R/C Mini 4WD
- TAMIYA Dangun Racer

The use of third-party, replica, aftermarket, or counterfeit components is strictly prohibited unless otherwise approved by Tamiya Malaysia.

c) Parts Modification

Modification of genuine TAMIYA parts is permitted only by:

- Cutting or trimming material.
- Drilling or enlarging holes.

The original identity and intended function of the part must remain clearly recognizable after modification.

Any modification that substantially alters the original design, construction, or intended purpose of the component may be deemed illegal during Technical Inspection.

d) Carbon Plate, FRP Plate & Metal Parts

The following modifications are **strictly prohibited**:

- Altering the original profile or external shape of carbon plates, FRP plates, or metal plates.
- Reshaping shafts, pins, roller shafts, or any metal component.
- Machining, grinding, milling, or reducing the thickness of carbon, FRP, or metal parts beyond the original factory specifications.

e) Roller Regulations

Only **genuine TAMIYA Original Rollers** are permitted.

The following modifications or combinations are strictly prohibited:

- Installing plastic rings on rollers not originally designed to accept them.
- Removing, replacing, or modifying factory-installed plastic rings.
- Adding rubber, plastic, metal, or other materials to the roller contact surface.
- CNC machining, custom cutting, polishing, reshaping, or modifying the roller profile.
- Anodizing, recolouring, or applying surface treatments that alter the original factory finish.

Rollers must remain in their original factory manufactured condition except where expressly permitted under the Official TMAC Malaysia Technical Regulations.

f) Measuring & Setting Tools

The following tools are **strictly prohibited** from being mounted or attached to the competition vehicle during any official race:

- HG Aluminum Setting Board
- Setting Gauge
- Pinion Puller
- Any modified measuring, alignment, or maintenance tool

These tools are intended solely for vehicle preparation and inspection and shall not form part of the competition vehicle.

g) Safety Requirements

Any modification that may compromise the safety of participants, officials, spectators, or the race circuit is strictly prohibited.

This includes, but is not limited to:

- Sharp or pointed edges.
- Exposed metal capable of damaging the track.
- Components likely to detach during racing.
- Any modification that may create an unsafe racing condition.

Competition vehicles deemed hazardous during Technical Inspection or at any stage of the event may be rejected or immediately disqualified.

All original chassis identification markings, model codes, and moulded characters (including but not limited to MS, MS-L, N-01, N-02, T-01, etc.) must remain clearly visible, complete, and unaltered at all times. These factory markings must not be removed, modified, covered, or rendered illegible through any form of machining, cutting, sanding, painting, or other modification.

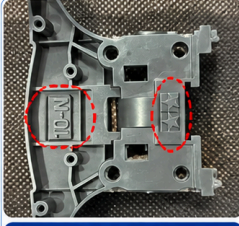


TMAC MALAYSIA
TECHNICAL REGULATIONS

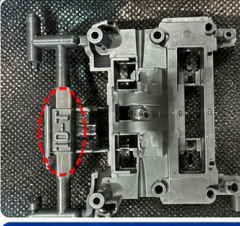
**ORIGINAL CHASSIS IDENTIFICATION
MUST BE RETAINED**

All original chassis identification markings, model codes, and moulded characters **must remain clearly visible, complete, and unaltered** at all times.

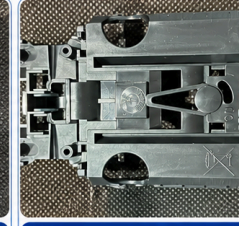
✓ ACCEPTABLE – ORIGINAL MARKINGS MUST REMAIN



10-N CHASSIS



10-T CHASSIS



10N CHASSIS

✗ NOT ACCEPTABLE – ILLEGAL / NON-COMPLIANT



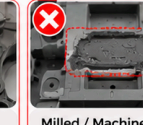
Markings Removed



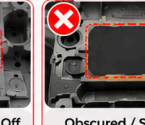
Covered / Painted



Sanded / Altered



Milled / Machined Off



Obscured / Stickered

📋 RULES & REQUIREMENTS

- ✓ All original factory markings **must remain visible**.
- ✓ Markings must not be **removed, modified, covered**, or rendered **illegible**.
- ✓ These markings are **verification of genuine TAMIYA chassis**.



! IMPORTANT

Any chassis without its original identification markings **will not be considered** original Tamiya parts and will be **disqualified**.

✓ Tamiya Malaysia (Penn Mart Malaysia) reserves the sole and absolute right to inspect, determine, and disqualify any competition vehicle that does not comply with the Official TMAC Malaysia Technical Regulations.

DRIVE WITH PASSION. RACE WITH FAIRNESS.

TMAC MALAYSIA 2026

The following modifications shall be considered as retaining the original part shape and are therefore permitted:

- Modifications that preserve the original shape and identity of the part, including simple material removal, enlarging existing holes, or creating additional mounting holes.
- Drilling holes or applying paint to the **upper surface** of guide rollers is permitted.
- Tire modification, including trimming or cutting the tire material, is permitted. However, any modification that alters the material properties of the tire surface is strictly prohibited. The use of tires of different sizes or materials in combination is permitted, provided the tires remain securely attached and do not separate during operation.
- The use of motor internal parts is permitted. However, **motor disassembly is not recommended**.
- Gear modifications are limited to drilling holes or removing material for weight reduction and for the installation of ball bearings. All drive gears must be installed in accordance with the designated gear ratio specified for the vehicle.
- The motor pinion gear must correspond to the chassis specification of the competition vehicle. Please refer to the **Machine Measuring System** for the applicable requirements.

- Only battery terminals supplied with the original kit or genuine **TAMIYA Grade-Up Parts** battery terminals, installed in accordance with the official instruction manual, are permitted. The use of soldered battery terminals or double-plated terminals is strictly prohibited.
- Any modification that may damage the race track, cause injury to any person, or result in the leakage or release of grease or any other substance onto the track is strictly prohibited.
- Tire reshaping within the specified dimensional limits is permitted (refer to the **Car Measuring System**). However, any modification that alters the tire surface material, including the application of adhesives, coatings, or any other substances, is strictly prohibited.
- The eligibility and acceptance of dress-up parts shall be determined by the Technical Inspection Official during vehicle inspection.

8. OFFICIAL COMPETITION COURSE

A competition course shall be recognised as an **Official TAMIYA Competition Course** only if it complies with the following specifications and has been officially approved by **Tamiya**. Only competitions conducted on an approved official course shall be recognised as official events, and only records achieved on such courses shall be recognised as official competition records.

Competitions conducted on original or custom-built courses that do not comply with the official specifications shall be regarded as **unofficial**, and any results or records achieved shall not be recognised as official.

The official course specifications are as follows:

- **Course Width:** 115 mm (measured as the width of one lane on a straight section).
- **Course Fence Height:** 50 mm (measured vertically from the track surface).
- Localised adjustments to the course width or fence height are permitted where necessary to ensure smooth vehicle operation, including but not limited to lane change sections, banked corners, and other approved track features.

9. COMPETITION PROCEDURES ON AN OFFICIAL COURSE

a) Race Start

The commencement of each race shall be signalled by the Race Starter or the official starting signal.

Competitors shall hold their competition vehicle with one hand while the power switch is turned **ON** and the wheels are rotating. Upon the official start signal, the vehicle shall be placed directly onto the track.

b) Pushing, propelling, or giving the vehicle forward momentum in the direction of travel during the start is strictly prohibited.

Retirement from the Race

A competition vehicle shall be deemed to have **retired immediately** if any of the following occurs during the race:

- The vehicle leaves the track.
- The vehicle overturns or becomes inverted.
- The vehicle crosses the course fence and enters another lane.
- The competition body becomes detached from the chassis.

A retired vehicle shall not be permitted to rejoin or continue the race.

c) Overtaken Vehicles

If a Race Official determines that a competition vehicle has been overtaken by another vehicle within the same lane and is likely to obstruct or impede the progress of following competitors, the vehicle shall be declared retired from the race.

d) Finish

A competition vehicle shall be considered to have finished the race at the moment it reaches the designated finish line.

e) Classification and Results

Qualifying positions and final race classifications shall be determined based on the finishing order or the official recorded time.

Where a result cannot be determined using the above criteria, the final decision shall be made by the Event Organiser.

10. TECHNICAL INSPECTION (VEHICLE SCRUTINEERING)

a) Pre-Race Technical Inspection

All competition vehicles are required to undergo a mandatory **Technical Inspection (Scrutineering)** before the commencement of the competition.

Any vehicle found to be non-compliant with the Official TMAC Malaysia Technical Regulations shall not be permitted to participate until all identified non-compliances have been rectified and the vehicle has successfully passed re-inspection.

b) Post-Inspection Vehicle Condition

Once a competition vehicle has successfully passed Technical Inspection, **no modifications, adjustments, component replacements, or setting changes** shall be made between the completion of inspection and the commencement of the race, unless expressly authorised by the Chief Technical Inspector or the Race Committee.

c) Re-Inspection

Tamiya Malaysia reserves the right to conduct **Technical Re-Inspection** on any competition vehicle at any time before, during, or after the competition.

Should any vehicle be found to contain components, modifications, or specifications that do not comply with the Official TMAC Malaysia Technical Regulations during re-inspection, such modifications shall be deemed **unauthorised**.

In such cases:

- All race results, points, rankings, and records obtained by the competitor up to that point shall be declared **null and void**.
- The competition vehicle shall be prohibited from further participation until all identified violations have been fully corrected and the vehicle has successfully passed a subsequent Technical Inspection.

11. DISQUALIFICATION

Any competition vehicle or competitor found to fall under any of the following circumstances may be **disqualified at the discretion of the Race Officials**. All competitors are expected to uphold proper sportsmanship and demonstrate appropriate conduct as TAMIYA Mini 4WD racers.

- a) Where any vehicle modification is deemed to have caused damage to another competition vehicle, any person, or the competition course.
- b) Where any vehicle modification is deemed to have been intentionally designed or used to interfere with the operation or performance of another competition vehicle.
- c) Where grease or any other substance is deposited onto the competition course and is deemed likely to adversely affect the condition of the track.
- d) Where modifications that violate the Official Technical Regulations are made to a competition vehicle after it has successfully passed Technical Inspection and the vehicle is entered into the race.
- e) Where a competition vehicle comes into contact with another vehicle or the course during the race in a manner that interferes with the normal operation of the race.
- f) Where a competitor fails to comply with the instructions or directions issued by the Race Officials, resulting in disruption to the conduct of the competition.
- g) Where a competitor commits a false start or starts the competition vehicle by pushing it by hand.
- h) Any other conduct that is considered contrary to the spirit of fair play or that causes inconvenience or discomfort to other competitors or race participants.

12. RACE MANAGEMENT

a) **Objections**

Competitors may submit an objection regarding the result or decision of a race in which they have participated. Any objection must be lodged before the commencement of the next scheduled race.

b) **Special Regulations**

The Event Organiser reserves the right to implement special regulations or supplementary rules where deemed necessary, depending on the nature and requirements of the competition.

13. PARTICIPATION RESTRICTIONS

a) **Eligibility**

Please note that eligibility to participate may be subject to specific competition requirements, including but not limited to age restrictions, depending on the nature of the event.

b) **Competition Vehicle**

Except for **Endurance Race** events, a competition vehicle may only be entered by **one (1) competitor**. Participation by two or more competitors using the same competition vehicle is not permitted.

14. ADVANCE REGISTRATION FOR OFFICIAL COMPETITIONS

As a general rule, competitors wishing to participate in an Official TAMIYA Mini 4WD Competition must complete their registration in advance using the prescribed **Registration Form**.

However, depending on the competition class or tournament, advance registration may not be required, and on-site registration may be accepted on the day of the event. Where applicable, this will be clearly stated in the relevant competition registration guidelines.

Unless otherwise specified, **walk-in registrations will not be accepted**.

Should a competitor encounter any issues during the registration process, they must notify **TAMIYA Malaysia – PENN MART before the official registration closing date**.

No amendments, substitutions, or changes to any registration details will be accepted after the registration closing date.

15. DISCLAIMER FOR TAMIYA MINI 4WD EVENTS HOSTED BY TAMIYA MALAYSIA - PENN MART

The following disclaimer applies to all **TAMIYA Mini 4WD Events** (hereinafter referred to as the "**Mini 4WD Events**") organised by **TAMIYA Malaysia – PENN MART** (hereinafter referred to as the "**Organiser**").

While the Organiser will make every reasonable effort to ensure the smooth operation of the Mini 4WD Events and the safety of all participants, competitors, guardians, and accompanying persons are required to read, understand, and agree to the following disclaimer prior to participating.

a) Event Cancellation

The Organiser reserves the right to cancel any Mini 4WD Event at its discretion due to weather conditions or any other circumstances.

b) Personal Responsibility

The Organiser shall not be held liable for any accident, injury, illness, or other incident occurring during the Mini 4WD Event.

Competitors, together with their guardians or accompanying persons, are responsible for obtaining any insurance coverage at their own discretion and expense.

c) Official Competition Participation

1c) Participation in an official competition (hereinafter referred to as the "**Race**") shall be deemed to have commenced once the competitor's competition vehicle has been entered into the first qualifying round.

2c) If a Race requiring a participation fee is cancelled, any refund or compensation shall not exceed the amount of the participation fee paid to the Organiser. Where a Race is cancelled after it has commenced due to weather or other circumstances, participation fees will only be refunded to competitors whose participation has not yet been confirmed. No refund shall be made to competitors whose participation has already been confirmed.

3c) If a Race that does not require a participation fee is cancelled due to weather or any other circumstances, no refund or compensation shall be provided.

d) Personal Belongings

Competitors are solely responsible for the safekeeping of their personal belongings and valuables. The Organiser shall not be responsible for any loss, theft, or damage occurring at the Mini 4WD Event venue.

e) Travel

The Organiser shall not be responsible for any accident, injury, illness, loss, or other incident occurring during travel to or from any Mini 4WD Event.

f) Amendments

The Organiser reserves the right to correct, amend, supplement, suspend, or remove this website or any information published on it at any time without prior notice.

16. Compliance & Technical Inspection

All technical inspections, vehicle eligibility, and competition compliance shall be administered exclusively by TAMIYA Malaysia - PENN MART and its appointed Technical Committee. TAMIYA Malaysia - PENN MART reserves the absolute right to interpret, amend, approve, reject, or prohibit any vehicle, component, modification, or technical specification not expressly covered within these regulations where necessary to preserve the fairness, safety, and integrity of the competition. The decisions of TAMIYA Malaysia - PENN MART, the Chief Technical Inspector, and the Race Director shall be final, irrevocable, and binding upon all competitors, organisers, teams, and affiliated parties.

End of line
