

OFFICIAL STOCK CLASS TMAC COMPETITION RULES

(As of July 2026)

1. ELIGIBLE COMPETITION VEHICLES

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

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

Eligibility of specific chassis, body types, or model series may be further restricted depending on the competition category or class, as determined by **TAMIYA Malaysia – PENN MART**.

2. COMPETITION VEHICLE REQUIREMENTS

All competition vehicles must comply with the following requirements:

- The vehicle must remain a **genuine four-wheel-drive (4WD) TAMIYA Mini 4WD**. Any modification that converts the vehicle to front-wheel drive (FWD) or rear-wheel drive (RWD) is strictly prohibited.
- The body must be securely mounted to the chassis at all times during the competition.
- Every competition vehicle must feature a properly finished body, either by applying the original TAMIYA decals or by painting. Vehicles with unfinished bodies may be rejected during technical inspection.
- Only genuine TAMIYA bodies designed for the corresponding Mini 4WD model are permitted. Homemade, custom-fabricated, or non-TAMIYA bodies are strictly prohibited unless specifically authorised by **TAMIYA Malaysia – PENN MART** for designated classes.
- Each competitor is responsible for assembling and maintaining their own competition vehicle. Joint assembly is not permitted unless expressly allowed by the event organiser or where assistance is required due to a disability or other approved circumstances.

Body Requirements

To ensure fair and consistent technical inspection:

- The vehicle body must remain clearly identifiable as the original TAMIYA body.
- Bodies that have been excessively cut, reduced in size, or modified to the extent that decals, paint, or original body features cannot be reasonably identified may be deemed non-compliant.
- Individual body components, such as detached wings, body fragments, or isolated clear body sections, shall not be recognised as a complete competition body.

3. TECHNICAL INSPECTION

All competition vehicles are subject to mandatory pre-race technical inspection conducted by TAMIYA Malaysia - PENN MART or its appointed Race Officials.

A vehicle shall be eligible for competition approval only if it fully complies with the Official TAMIYA Competition Regulations and the applicable TAMIYA Malaysia Technical Regulations.

Any vehicle that fails the technical inspection, is found to be non-compliant, or is modified after passing inspection without prior approval may be disqualified and will not be permitted to participate until all identified issues have been rectified and re-approved by the Race Officials.

TAMIYA Malaysia - PENN MART reserves the absolute right to inspect any competition vehicle at any stage before, during, or after the event. The decision of the Race Officials regarding vehicle eligibility and compliance shall be final and binding, with no right of appeal.

This version adopts the tone and structure commonly found in official TAMIYA race regulations while strengthening the legal authority of **TAMIYA Malaysia - PENN MART** over inspections and eligibility decisions.

4. 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	 4WD Must be 4WD	 Must be installed according to the set gear ratio

To ensure fair and consistent competition, all vehicles must comply with the following technical specifications. These requirements apply to **all eligible TAMIYA Mini 4WD chassis** unless otherwise stated in the respective class regulations.

Vehicle Dimensions

All competition vehicles must remain genuine **Four Wheel Drive (4WD)** configurations and comply with the following dimensional requirements:

Specification	Requirement
Maximum Overall Width	105 mm
Maximum Overall Length	165 mm
Maximum Overall Height	70 mm
Minimum Ground Clearance	1 mm
Minimum Vehicle Weight	90 g or more (including motor and batteries)
Tire Diameter	22 mm – 35 mm
Tire Width (Front & Rear)	8 mm – 26 mm

All four tires must be securely installed and in contact with the vehicle.

5. ROLLER REGULATIONS

For TMAC Malaysia competitions, the following roller regulations shall apply:

- There is **no limit on the number of guide rollers** that may be installed on the vehicle.
- All guide rollers must be genuine TAMIYA components unless otherwise specified under the respective class regulations.
- **Modification of guide rollers is strictly prohibited**, including but not limited to:
 - CNC machining
 - Cutting or reshaping
 - Drilling
 - Anodizing or surface treatment
 - Any alteration that changes the original factory specification

Any roller found to have been modified will be deemed **non-compliant**.

6. MASS DAMPER REGULATIONS

The installation of mass dampers must comply with the following requirements:

- The entire rotating mass damper assembly must remain **within the imaginary line connecting the centre axis of the front guide rollers and the rear guide rollers**.
- There is **no restriction on the mounting position** of the rotating mass damper, provided the above requirement is satisfied.
- **Modification of any mass damper component is strictly prohibited**. All mass dampers must remain in their original TAMIYA factory condition.

7. BODY-MOUNTED PARTS & COMPONENT POSITIONING

To maintain safety and prevent interference with the racing track, all chassis-mounted components shall comply with the following positioning requirements:

The following components **must not protrude beyond the outer edge of the tires** within these designated areas:

- Between the **front wheel centre axis** and the **rear edge of the front tire**.
- Between the **rear wheel centre axis** and the **front edge of the rear tire**.

For the purpose of these regulations, the **outer edge of the tire** is defined as the outermost point of the tire when viewed from the left or right side of the vehicle.

Exemptions

The following are **not subject** to the above positioning restrictions:

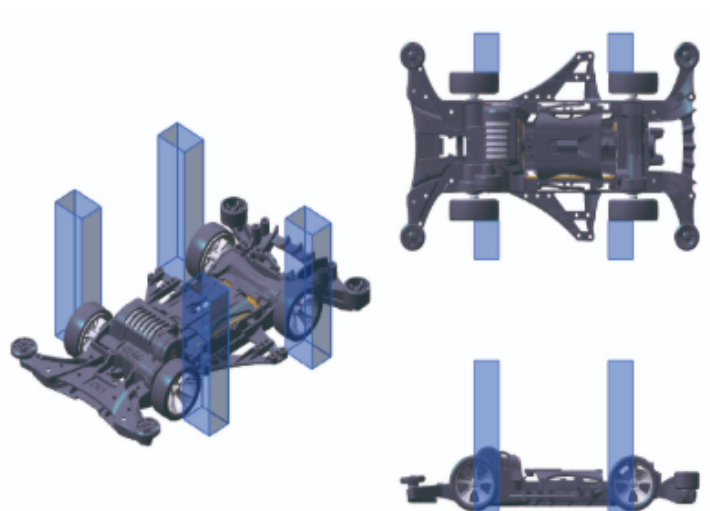
- The competition body itself.
- Components mounted exclusively to the body (such as high-mounted rollers), provided they are positioned **above the centre axis of the tires** and otherwise comply with the Official TAMIYA Competition Regulations.

a) General Vehicle Dimensions

The completed competition vehicle, including all installed components, must comply with the following specifications:

Specification	Requirement
Drive System	Four-Wheel Drive (4WD) only
Maximum Overall Width	105 mm
Maximum Overall Height	70 mm
Maximum Overall Length	165 mm
Minimum Ground Clearance	1 mm
Minimum Vehicle Weight	90 g (including motor and batteries)
Tire Diameter	22 mm – 35 mm
Tire Width (Front & Rear)	8 mm – 26 mm

All dimensions shall be measured with the vehicle in complete racing condition.



Official Compliance Statement

All competition vehicles shall be inspected by **TAMIYA Malaysia - PENN MART** prior to and, where necessary, during or after the competition to verify compliance with these Technical Regulations.

Prohibited Motor Modifications

TAMIYA Malaysia - PENN MART reserves the absolute right to reject, disqualify, or require modification of any vehicle deemed to be non-compliant with the Official TAMIYA Competition Regulations or the TMAC Malaysia Technical Regulations. The interpretation of these regulations and all technical decisions made by the appointed Race Officials shall be final, conclusive, and binding on all competitors.



Mini 4WD Grade-Up Parts Matching List

(Current as of January 2020)

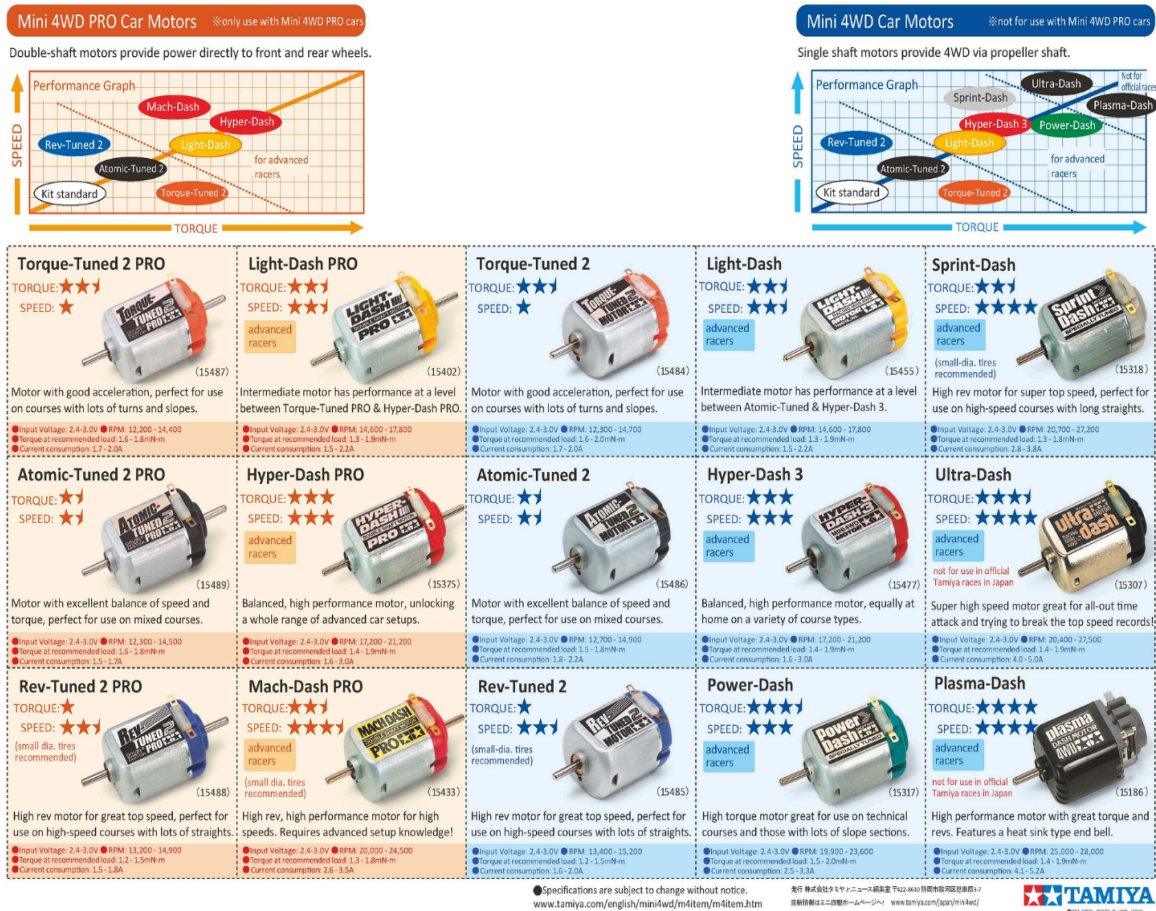
Gear Ratios

Gear Ratios			Type 2	Type 3	Type 4	Zero	FM	Type 5	Super-I	Super-II	Super-FM	Super-TZ	Super-XX	Super-X	VS	Super-TZ-X	AR	MS	MA	FM-A	VZ
Gear Ratio	Counter Gear 	Spur Gear 																			
3.5 : 1	 Light Blue	 Yellow																			※5
3.7 : 1	 Green																				※6
4 : 1	 Black	 Light Brown																			※7
4.2 : 1	 Red																				※7
5 : 1	 Blue	 Light Green																			
3.5 : 1	Item 15132 Special Ratio Gearing: Mustard Yellow																				
3.5 : 1	Item 15187 Lightweight Special Ratio Gearing: Light Gray																				
6.4 : 1 ※4	 Gray	 Green																			
11.2 : 1	 Yellow																				
5 : 1 ※4	 Purple	 Light Green																			
8.75 : 1	 Pink																				
4 : 1 ※4	 Mustard Yellow	 Light Brown																			※8
Crown Gears (G2 = Orange; G13 = Pink)			 G2	 G3	 G2	 G2	 G13	 G2	 G13	 G2	 G13	 G2	 G13	 G2	 G13	 G2	 G13	 G2	 G13	 G2	※12
Gear Ratio	Counter Gear 	Spur Gear 																			
3.5 : 1	 Light Green	 Pink																			※9
3.7 : 1	 Yellow																				※10
4 : 1	 Blue	 Orange																			※11
8T Pinion Gear 			※1													※2	※1	※2	※1		

※1 Permitted gears: White, Purple, Brass, Black (kit-included) pinion gears; pinion gears from Item 15438 Reinforced Gears w/Easy Locking Gear Cover or Item 15453 Carbon Reinforced 8T Pinion Gear (6pcs.).
 ※2 Permitted gears: Black (kit-included), Brass pinion gears; pinion gears from Item 15438 Reinforced Gears w/Easy Locking Gear Cover or Item 15453 Carbon Reinforced 8T Pinion Gear (6pcs.).
 ※3 Use G2 Orange crown gear at rear and G1 Light Blue crown gear at front.
 ※4 Use 12T pinion gear.
 ※5 These gears are also paired in Item 15432 Super Speed Gear Set (for Super XX & Super-II Chassis).
 ※6 Item 15434 High Speed EX Counter Gear Set (3.7:1).
 ※7 These gears are also paired in Item 15236 High Speed Counter Gear Set.
 ※8 These gears are also paired in Item 15053 Competition Gear Set for Type-3 Chassis.
 ※9 These gears are also paired in Item 15349 Mini 4WD PRO Super Speed Gear Set (for MS Chassis).
 ※10 Item 15429 Mini 4WD PRO High Speed EX Gear Set (for MS Chassis/Gear Ratio 3.7:1).
 ※11 These gears are also paired in Item 15355 Mini 4WD PRO High Speed Gear Set (for MS Chassis/Gear Ratio 4:1).
 ※12 Crown gears in Item 15438 Reinforced Gears w/Easy Locking Gear Cover are identical to G13.

Gear Ratio: Only Tamiya-approved gear ratio combinations specified for the respective chassis are permitted. The motor pinion gear must match the original specification of the chassis and shall not be altered or substituted.

8. MOTOR REGULATIONS



To preserve fair competition and maintain the integrity of the event, all competitors must use only **genuine TAMIYA motors** that are approved for the respective competition class.

Any modification to a motor beyond its original factory specification is **strictly prohibited**. Illegal modifications include, but are not limited to:

- Disassembling the motor casing.
- Altering or rewinding the armature windings.
- Changing the number of motor windings.
- Pulling, bending, replacing, or tampering with the motor terminals.
- Removing, modifying, or reattaching the motor end cap (motor cup).
- Any machining, grinding, polishing, or alteration of internal or external motor components intended to improve performance.

Any evidence that the motor end cap has been removed, opened, tampered with, or reinstalled—including signs of the retaining claws or tabs having been bent or disturbed—shall be deemed an illegal motor modification and will result in immediate disqualification.

Approved Motors

Only **official TAMIYA motors** approved for the respective competition class may be used.

The motor installed must be **fully compatible with the designated chassis type**. The use of incompatible motors is strictly prohibited, including but not limited to:

- Installing a **single-shaft motor** in a chassis designed for a **double-shaft motor**.
- Installing a **double-shaft motor** in a chassis designed for a **single-shaft motor**.

9. 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.

10. MODIFICATIONS REGULATIONS (STOCK CLASS)

The Stock Class is intended to preserve the original performance characteristics of TAMIYA Mini 4WD vehicles while promoting fair and equal competition. Unless otherwise stated, all vehicles shall remain in their original factory configuration.

Any modification not expressly permitted under these regulations shall be subject to the interpretation and approval of **TAMIYA Malaysia – PENN MART**. The decision of the appointed Race Officials shall be final.

Permitted & Prohibited Modifications

a) Chassis

The chassis must remain in its original TAMIYA factory condition.

- Hollowing, cutting, trimming, drilling, machining, or modifying the chassis is strictly prohibited.
- The use of custom-fabricated, replica, or non-genuine chassis is not permitted.

b) Additional Parts

Only genuine **TAMIYA Mini 4WD, TAMIYA R/C 4WD, and TAMIYA Dangun Racer** parts are permitted unless otherwise specified by the competition regulations.

c) Part Modifications

Except for the body, where specifically permitted, altering the original shape or structure of any component is prohibited.

The following are permitted:

- Countersinking (countersunk screw processing) on genuine TAMIYA FRP or Carbon Reinforced Plates.
- Countersinking of existing chassis mounting holes.
- Use of wheel shafts in accordance with the Official TAMIYA Regulations.

d) Body Modifications

Body modifications are limited to removing or trimming sections that interfere with the installation or operation of approved TAMIYA components.

The competition body must always be securely attached to the chassis using the designated body catches or approved mounting system.

Additional Technical Regulations

e) Roller Configuration

Guide rollers must only be installed and used in their original factory configuration.

The following modifications are strictly prohibited:

- Combining roller components not originally designed to be used together.
- Installing plastic rings on rollers not manufactured with plastic rings.
- Replacing or exchanging plastic rings between different roller models.
- Combining roller components of different diameters or specifications.
- Any modification that alters the original construction or performance of the roller.

f) Setting Tools

Setting tools and maintenance equipment are strictly prohibited from being installed on the competition vehicle.

This includes, but is not limited to:

- HG Aluminum Setting Boards
- Setting Gauges
- Pinion Pullers
- Any similar tuning or maintenance devices

g) Drive Gear Configuration

All drive gears must be installed using the original gear combinations specified by TAMIYA for the respective chassis.

The motor pinion gear must also correspond to the designated chassis specification. Mixing incompatible gear ratios or configurations is prohibited.

h) Battery Holder

Battery holders must be genuine TAMIYA components supplied with the original kit or official TAMIYA Upgrade Parts.

The following modifications are prohibited:

- Soldering electrical contacts.
- Reinforcing or double-layering battery holders.
- Altering the holder's structure or electrical characteristics.
- Any modification that improves battery contact beyond the original factory specification.

i) Safety Requirements

Any modification that may:

- Damage the race track,
- Endanger competitors, officials, or spectators,
- Create sharp edges,
- Cause grease, oil, or other substances to leak or contaminate the racing surface,

is strictly prohibited.

j) Battery Installation

Batteries must be installed strictly in accordance with the polarity and orientation specified by the vehicle manufacturer.

Installing batteries in any direction other than the designated orientation is prohibited.

k) Plate Installation

All FRP Plates, Carbon Plates, and reinforcement plates must be securely fastened to the vehicle.

Loose, improperly secured, or intentionally movable plates are not permitted.

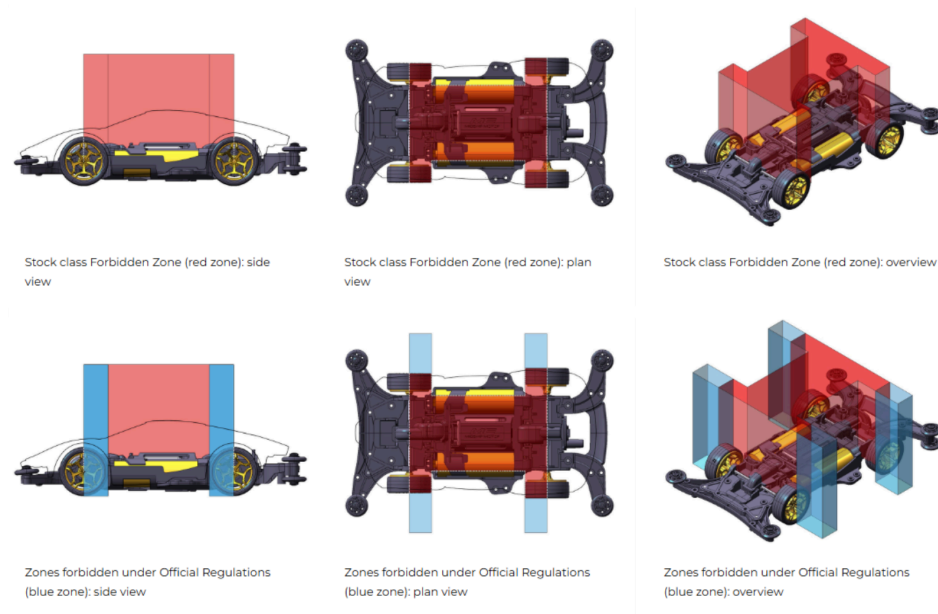
l) Restricted Mounting Zone ("Forbidden Zone")

The area extending between the **front and rear wheel shafts (including bearings or eyelets), together with the rear half of the front tires and the front half of the rear tires across the full tire width**, is designated as the **Restricted Mounting Zone ("Forbidden Zone")**.

Within this designated area:

- Only the **competition body** and any **driver figure originally incorporated into the body** are permitted.
- No other components, accessories, or attachments may be installed within or protrude into this restricted zone, whether wholly or partially.

Any vehicle found to have components installed within the Restricted Mounting Zone shall be deemed **non-compliant** and may be rejected during technical inspection.



n) CHASSIS MOUNTED COMPONENTS

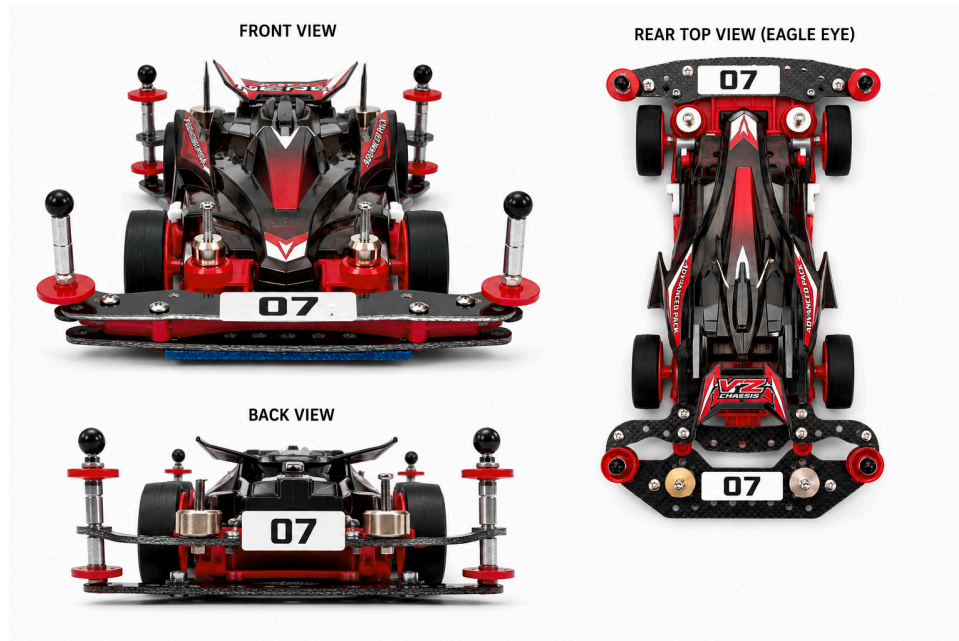
All components that make contact with, or may reasonably come into contact with, the course walls during racing **must be securely mounted to the chassis or to a reinforcement plate that is firmly attached to the chassis.**

The only exceptions are components specifically designed to move during normal vehicle operation, including:

- Wheels and tires
- Guide rollers
- Mass damper assemblies
- Sliding damper assemblies

No other movable or unsecured components are permitted. Any part found to be improperly secured or capable of detaching during competition may be deemed **non-compliant** and may result in the vehicle failing Technical Inspection or being disqualified from the event.

11. CAR REGISTRATION & CONTROL ID STICKER



(Car control ID sticker placement demo)

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

a) 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**.

b) 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**.

12. MOTOR REGULATIONS (STOCK CLASS)

Category	Regulations
Approved Motors	Only genuine TAMIYA motors approved for the respective competition class may be used. The following motors are permitted: • Sprint Dash Motor • Power Dash Motor • Hyper Dash Motor • Light Dash Motor • Mach Dash Motor PRO • Hyper Dash Motor PRO • Light Dash Motor PRO • Rev-Tuned Motor • Atomic-Tuned Motor • Torque-Tuned Motor • Rev-Tuned Motor PRO • Atomic-Tuned Motor PRO • Torque-Tuned Motor PRO Only motors specified by TAMIYA Malaysia – PENN MART for the respective competition class shall be considered legal for use.

**Prohibited Motors
& Modifications**

The following are strictly prohibited and will result in **immediate disqualification**:

- Use of Ultra Dash Motor (unless specifically permitted for the competition class).
- Use of any motor that has been disassembled, modified, or reassembled.
- Removal or replacement of internal motor components.
- Pulling, bending, replacing, or tampering with the motor brush terminals.
- Any evidence that the motor end cap has been opened, removed, or tampered with.
- Any machining, rewinding, polishing, or alteration of the motor beyond its original factory specification.
- Leakage of oil, grease, or any other liquid from the motor during technical inspection or competition.

Any motor found to be modified, tampered with, or otherwise non-compliant with the Official TAMIYA Competition Regulations shall be deemed illegal and will result in immediate disqualification.

13. BODY REGULATIONS (STOCK CLASS)

The competition body must remain a genuine **TAMIYA body** designed for the corresponding Mini 4WD chassis and shall be securely mounted throughout the duration of the event.

The following body configurations and modifications are permitted:

- Genuine TAMIYA plastic bodies, including **clear bodies**, are permitted.
- Bodies manufactured from **polycarbonate (PC)** or **PET material** are permitted where officially released by TAMIYA.
- Body trimming or cutting is permitted only along the cutting lines specified in the original TAMIYA instruction manual or where necessary to provide adequate clearance for approved TAMIYA components.
- Both the front and rear of the body must be securely attached to the chassis using genuine TAMIYA body catches or the designated mounting system.
- Competitors may freely combine compatible genuine TAMIYA bodies and chassis unless otherwise restricted by the applicable class regulations.
- Rear wings and driver figures are optional accessories and may be installed or removed at the competitor's discretion.

- Painting, application of decals or stickers, and the use of genuine TAMIYA body accessories are permitted.
- Adhesive may be used solely for securing body components, including wings or other genuine body accessories.
- Where chassis components, reinforcement plates, mass dampers, or other approved parts interfere with the body, only the minimum amount of material necessary to provide clearance may be removed. As a general guideline, trimming should not exceed **3 mm** beyond the point of interference. Any modification exceeding this limit shall be subject to inspection and approval by **TAMIYA Malaysia - PENN MART**.
- Removal or trimming of the canopy section to accommodate animal figures or decorative accessories is permitted. If such accessories become detached during the race, the competitor will not be disqualified, provided the competition body remains securely attached.

Prohibited Body Modifications

The following are strictly prohibited:

- Use of body divisions or split-body configurations.
- Competition with an unfinished body, including bodies without paint or original decals, where required for identification.
- A body becomes detached from the chassis during a race. Any vehicle whose body separates from the chassis while racing may be immediately disqualified.
- Excessive hollowing, cutting, or reshaping that alters the original appearance of the body to the extent that it is no longer readily identifiable as the intended TAMIYA model.
- Repairing hollowed or cut sections using tape, adhesives, fillers, or any material intended to recreate or reinforce the removed area.
- Body modifications that create sharp edges, pointed surfaces, or exposed damaged areas that may pose a safety risk to competitors, Race Officials, spectators, or the race course.

14. CHASSIS

Permitted

- Decorative stickers.
- Enlargement of existing screw holes to a maximum diameter of **2.0 mm**.
- Through-hole processing of existing non-threaded holes.
- Countersinking of existing screw holes for flush screw installation.

Prohibited

- Cutting, hollowing, or structural modification of the chassis.
- Use of a homemade or modified chassis.
- Addition of new screw holes.
- Installation of washers, spacers, or rollers inside the chassis.
- Modification of the drivetrain or installation of non-standard gears.

15. FRP / HG CARBON PLATES

Permitted

- Countersinking of existing holes.
- Machining of existing holes for countersunk screws.
- Reinforcement using cyanoacrylate adhesive.
- Installation of approved slide damper components.
- Bonding multiple FRP/HG Carbon plates together.

Prohibited

- Installation of plates within wheel clearance areas.
- Modification of plate outer profiles or edges.
- Addition of new holes

16. ROLLERS

Permitted

- Roller combinations that differ from the manufacturer's specified configuration are **not permitted**. This includes:
 - Installing plastic rings on rollers that were not originally designed for them.
 - Replacing the plastic rings on plastic-ring rollers.
 - Mixing rollers of different diameters.
 - Any other non-approved roller combinations.
- The **quantity and dimensions** of all rollers must comply with the official Tamiya Technical Regulations.

Prohibited

- Replacing the roller bearings with bearings other than the standard factory specification.
- Any modification to rollers, including but not limited to:
 - Reshaping the outer profile.
 - Cutting or trimming.
 - Drilling holes on flat surfaces.
 - Enlarging bearing holes.
 - Any other form of machining or processing.
- Using rollers that have become excessively worn or sharpened through use.
 - If long-term wear results in a diameter reduction of **1 mm or more**, the roller is considered to have been modified and is therefore illegal.
 - **Example:** An **8–9 mm Two-Stage Aluminium Roller** must maintain a **9 mm outer diameter**. If the 9 mm section measures **8 mm or less**, it is deemed non-compliant.
- **CNC-machined or anodised rollers are not permitted.**

17. DAMPERS, GEARS & OTHER PARTS

Permitted

- Only genuine Tamiya Mini 4WD, R/C 4WD, and Dangun Racer parts may be used as optional components.
- Multiple Mass Dampers may be installed on the same screw and secured using Tamiya Multi-Tape.
- Movable Mass Dampers are permitted only when installed with fixed screws and allowed to move vertically.
- Hanging installation of Mass Dampers below the Plate is permitted.
- Tamiya Upgrade Brake Sponge may be cut and used.
 - Brake Sponge must be fixed using double-sided tape.
- Tamiya Upgrade Mini 4WD Multi-Tape may be cut and used.
- Tamiya Upgrade Rubber Tubes may be cut and used.
- Parts from different Tamiya chassis and option parts may be combined.

Prohibited

- Modification or reshaping of Mass Dampers.
- Painting, coloring, or surface treatment of Mass Dampers.
- Enlargement or modification of Mass Damper mounting holes.
 - If wear causes the distance between the mounting holes to increase by 3 mm or more, the part will be regarded as modified and is not permitted.
- Machining or processing of any parts.
- Modification of metal parts such as screws, shafts, rollers, etc.
- Use of runner material or polycarbonate body scraps after they have been removed from their original parts.
- Use of modified parts from the Mini 4WD Catcher.
- Use of brake materials other than genuine Tamiya Upgrade Brake Sponge.
- Heat processing or reshaping of Brake Sponge.
- Use of parts obtained by disassembling the motor.
- Screws, shafts, or other protruding metal parts must be protected with rubber tubes or pole caps.

- Modification or processing of gears.

18. SLIDING DAMPERS

Permitted

- Use of genuine Tamiya Slide Dampers.
- Use of genuine Tamiya Ball Link Mass Dampers.

Prohibited

- Use of swing-type vibration control mechanisms utilizing heavy objects as mass dampers, including but not limited to:
 - Lantern Damper
 - Hikuo
 - Norio
 - Tohoku Damper
 - Catcher Damper
 - Guillotine Damper
 - Doraemon Lantern
 - Any similar custom mechanism
- Plates must not be installed in a loose, swinging, or unstable manner.

19. WHEELS & TIRES

Permitted

- Wheel axle holes may be pierced to allow axle installation.
 - Any exposed axle shaft extending beyond the wheel must be protected using Tamiya Multi-Tape, rubber tubing, or equivalent protective material.
- Tires may be bonded to the wheels using double-sided tape, adhesive, or other suitable bonding methods.

Prohibited

- Modification or machining of tyres.
- Tires that have worn beyond the permitted limit due to long-term use.
 - A tyre is considered modified if its diameter has decreased by 1 mm or more.
 - Example: A Medium-Diameter Low-Profile Tire must maintain a minimum diameter of 26 mm. A tyre measuring 25 mm or less is considered non-compliant.

20. Official Competition Course

A competition course that complies with the following specifications and is approved by **Tamiya** shall be recognised as an **Official Competition Course**. Competition results and records achieved on approved courses shall be recognised as official.

Any competition conducted on a course that does not comply with these specifications or has not been approved by Tamiya shall be regarded as **unofficial**, and any resulting records shall not be recognised.

Course Specifications

- **Lane Width:** 115 mm (measured at the straight section of a single lane)
- **Side Fence Height:** 50 mm (measured from the track surface)

To ensure smooth vehicle operation, localised adjustments to the lane width or side fence height are permitted in designated sections, including but not limited to **Lane Changers** and **Banked Corners**.

21. Competition on an Official Course

- a) The race will commence upon the signal given by the starter or the designated starting signal. Racers must hold their racing car in one hand with the power switch turned on and the wheels rotating. Upon receiving the start signal, racers must place the car onto the course to begin the race. Any starting method involving pushing or manually assisting the car in the direction of travel is strictly prohibited.
- b) During an official race, all racing cars must complete the course according to the designated race format and regulations.
- c) If a racing car leaves the course, overturns, crosses the course fence into another lane, or if any part of the car body becomes detached during the race, the car will be considered retired immediately. A retired car will not be permitted to re-enter or continue the race.
- d) If a race official determines that a racing car is being overtaken by another car in the same lane and may obstruct or interfere with the progress of following cars, the car may be declared retired at the official's discretion.
- e) The race finish time will be recorded at the moment the racing car crosses the designated finish line.
- f) Qualifying results and final rankings will be determined based on the official finishing order or recorded race time. In the event that a clear ranking cannot be established according to these criteria, the final decision shall be made by the race organizer.

22. Vehicle Inspection

- a) All competition cars must undergo a vehicle inspection before the race. If any part of the car is found to be non-compliant with the regulations, the car will not be permitted to participate until the violation has been corrected and the vehicle passes inspection.
- b) Once a competition car has passed the vehicle inspection, no modifications, replacement of parts, or changes to the car's settings will be permitted before the start of the race.
- c) Vehicle re-inspections may be conducted at any time during the competition. If any non-compliant parts, unauthorised modifications, or changes are discovered during a re-inspection, the vehicle will be considered to have violated the regulations. All race results recorded up to that point will be invalidated, and the vehicle will not be allowed to continue participating unless all violations have been corrected and the vehicle passes inspection again.

23. Disqualification

Any competition car or racer who falls under any of the following conditions may be disqualified at the discretion of the race officials. All racers are required to observe proper sportsmanship, etiquette, and fair play throughout the competition.

- a) If any modification or adjustment made to the car is determined to have caused damage to another car, a person, or the race course.
- b) If any modification or adjustment made to the car is determined to be intended to interfere with the performance or movement of another car during the race.
- c) If grease, oil, or any other substance is left on the course and is determined to have affected or may adversely affect the condition and safety of the course.
- d) If any modification, replacement of parts, or adjustment that violates the regulations is made after passing vehicle inspection and the car is subsequently entered into the race.
- e) If the car interferes with the operation of other cars or damages the course by making contact with another car or any part of the course during the race.
- f) If the racer interferes with the progress of the race by failing to follow the instructions or directions from race officials.
- g) If the racer commits a false start or launches the car by manually pushing or assisting the car by hand.
- h) Any other actions, behaviour, or conduct that are deemed to violate the spirit of fair play, proper racing etiquette, or cause inconvenience, discomfort, or unfairness to other participants.

24. Race Management

- a) Racers may submit an objection or appeal regarding the race results or decisions made during a race in which they participated. Any objection must be submitted to the race officials before the commencement of the next race.
- b) Depending on the race format, category, or competition conditions, the organiser reserves the right to implement additional special rules or adjustments when necessary.

25. Participation Restrictions

- a) Participation eligibility may be subject to certain restrictions, including age requirements or other conditions, depending on the competition category and event regulations.
- b) Except for endurance races or events specifically designated by the organiser, each racing vehicle may only be used by one racer during the competition. Multiple racers are not permitted to participate using the same race vehicle.

26. Advance Registration for Official Competitions

- a) In general, racers who wish to participate in an official Mini 4WD competition must complete advance registration by submitting the designated **Registration Form** within the specified registration period.
- b) Depending on the competition category or tournament format, advance registration may not be required, and on-site registration may be accepted. Any exception to this requirement will be clearly stated in the official event application guidelines.
- c) Unless otherwise specified by the organiser, walk-in registration will not be accepted.
- d) If a racer encounters any issues during the registration process, the racer must contact **TAMIYA Malaysia – PENN MART** before the registration closing date for assistance.
- e) Any request for changes, amendments, or updates after the registration closing date will not be accepted.

27. Disclaimer for Mini 4WD Events Organized by TAMIYA MALAYSIA – PENN MART

The following disclaimer applies to all Mini 4WD events (hereinafter referred to as “**the Event**”) organised by **TAMIYA MALAYSIA – PENN MART** (hereinafter referred to as “**the Organiser**”).

The Organiser will make every effort to ensure the smooth operation of the Event and provide a safe and enjoyable environment for all participating racers. However, all participants,

guardians, and accompanying persons are required to understand and agree to the following terms and conditions prior to participating in the Event.

- a) The Organiser reserves the right to postpone, cancel, modify, or reschedule the Event due to weather conditions, unforeseen circumstances, safety concerns, or any other reasons deemed necessary by the Organiser.
- b) The Organiser shall not be held responsible for any accidents, injuries, illnesses, loss, or damages that may occur during the Event. Participants, guardians, and accompanying persons are responsible for their own safety and are encouraged to obtain appropriate personal insurance coverage at their own discretion and risk.
- c) Participation Fee and Event Cancellation Policy
 - i) Participation in an official competition (hereinafter referred to as **“the Race”**) organised by TAMIYA MALAYSIA – PENN MART shall be considered confirmed once the racer’s machine has entered the first qualifying round.
 - ii) In the event that a Race requiring a participation fee is cancelled, the Organiser’s liability shall be limited to the amount of the participation fee paid by the racer. No additional refunds, compensation, or claims shall be provided beyond the paid participation fee. If the Race is suspended or cancelled after commencement due to weather conditions, unforeseen circumstances, or other reasons beyond the Organiser’s control, participation fees will only be refunded to racers whose participation has not yet been confirmed. No refund will be provided to racers whose participation has already been confirmed.
 - iii) For Races that do not require a participation fee, if the event is cancelled due to weather conditions, unforeseen circumstances, or other reasons deemed necessary by the Organiser, no compensation or reimbursement will be provided to participants.
- d) Participants are responsible for the safekeeping and management of their own personal belongings and valuables. The Organizer shall not be held responsible for any loss, theft, damage, or disappearance of personal items occurring at the Mini 4WD Event venue.

- e) The Organizer shall not be held responsible for any accidents, injuries, illnesses, or other incidents that may occur while participants are traveling to or from the Mini 4WD Event venue.
- f) The Organizer reserves the right to update, modify, add, suspend, remove, or revise any content, information, or materials published on the official website or related platforms at any time without prior notice.

28. 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.

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