



COMMUNITY COMPETITION RULES

OFFICIAL RULEBOOK 2027

Created by the M.B.K community

Founder & Owner | John Morris

Rule review | January 2027

THREE COMPETITION CLASSES

1.9 UNLIMITED / 2.2 UNLIMITED / 1.9 PRO MOD

Includes 2027 updates, penalties, scale points and course formats

2028 METAL CAGE BONUS

Shown separately as advance notice - not applicable in 2027.

01 GENERAL VEHICLE REGULATIONS

Applies to all competition classes throughout the 2027 season.

7 lb

MINIMUM VEHICLE WEIGHT / 3.17 kg

1.1 Minimum vehicle weight

All competing vehicles must weigh a minimum of 7 lb (3.17 kg).

1.2 Metal wheels only

Metal wheels are mandatory. Carbon, plastic or other non-metal wheels are prohibited.

1.3 Suspension link requirements

Lower suspension links must be straight. Bent or high-clearance lower links are not permitted. Upper suspension links may be bent or high-clearance.

1.4 Licensed tyres only

All classes must use officially licensed scale tyres. Examples include Pro-Line Super Swampers, Pro-Line Trepadors and Vanquish Toyo Open Country. Tyres merely based on scale designs are no longer permitted. Class-specific tyre diameter requirements continue to apply.

1.5 Battery positioning

Batteries may not be mounted on an axle. They must be positioned within, or securely fixed to, the chassis via the skid, battery box or suitable cage-mounted housing such as a fuel cell. The battery must not be visible from directly above.

1.6 Prohibited winches

Winches other than suspension suck-down winches are prohibited.

2027 RULE UPDATE: The minimum weight, metal wheel, straight lower-link, licensed tyre and battery positioning requirements apply to 1.9 Unlimited, 2.2 Unlimited and 1.9 Pro Mod.

02 COMPETITION CLASSES

All vehicles are 1/10 scale. The general regulations in Section 1 apply to every class.

2.1 / 1.9 UNLIMITED

- Metal or plastic moonbuggy cage; flat skid mandatory.
- Licensed tyres only, maximum 5.0-inch diameter; no pin tyres.
- Four-wheel steering (4WS) and dual motor configurations permitted.
- Dig permitted and free to use.
- Weight hangers and knuckle weights allowed within the beadlock circumference.
- Metal wheels; straight lower links; minimum 7 lb (3.17 kg).
- Battery mounting must comply with Section 1.5; interior mandatory.

2.2 / 2.2 UNLIMITED

- Metal or plastic cage; flat skid mandatory.
- Licensed tyres only, diameter above 5.25 inches; no pin tyres.
- Four-wheel steering (4WS) and dig permitted.
- Dual motor configurations permitted with class restrictions.
- Weight hangers and knuckle weights allowed within the beadlock circumference.
- Metal wheels; straight lower links; minimum 7 lb (3.17 kg).
- Battery mounting must comply with Section 1.5; interior mandatory.
- Minimum gate width: 14 inches (increased from 13 inches).

2.3 / 1.9 PRO MOD

- Metal or plastic cage with mandatory body panels; front clip allowed.
- No rear motor buggies; no dual motor transmissions.
- Only licensed 1.9 scale tyres and 1.9 metal wheels permitted.
- No rear steering; dig permitted.
- Suspension suck-down winch permitted.
- No portal axles; straight axles only.
- Straight lower suspension links required; upper links may be bent.
- Minimum weight 7 lb (3.17 kg); battery must comply with Section 1.5.
- Minimum gate width: 13 inches. Interior mandatory.

03 M.B.K SCALE POINTS

Points reward scale realism and licensed vehicle components.

MAXIMUM SCALE POINTS: -20 per vehicle. Small scale accessories earn -1 per item, with a maximum of -5 points for the category.

2027 tyre change: All "based on licensed tyres" scale-point categories have been removed. Only officially licensed tyres qualify.

SCALE ITEM	POINTS
Full fuel cell	-3
For-show fuel cell	-1
Full engine	-5
Half engine	-3
Luggage compartment	-3
Radiator	-2
Ram steering	-2 per axle
Half driver	-2
Full driver (knees upwards)	-4
Small scale accessory	-1 per item; capped at -5
Scale hardware (4 wheels)	-1
Licensed metal wheels (set of 4)	-3; original cap -4
Scale metal wheels (set of 4)	-2; capped at -4
Licensed tyres	-2 per pair / -4 per set of 4
Licensed beadlock rings (set of 4)	-1
Wheel centre hubs	-1 per pair
Licensed metal axles	-1 per axle
Lights	-1
Working lights	-2
Brake rotors	-1 per pair

Accessory examples: fire extinguishers, tow straps, seatbelts, bottles, brake lines and other small scale items. The -5 accessory cap applies even if more than five qualifying items are fitted.

Licensed beadlock rings: -1 only when applied to non-licensed wheels. Duplicate tyre and brake rotor entries from the original rules have been consolidated; their point values have not changed.

04 COURSE RULES AND PENALTIES

All values apply unless a class or event-specific rule explicitly states otherwise.

ACTION	SCORE
Reverse	+1
Rollover	+5
Reposition	+5
Vehicle touch	+5
Gate marker touch	+10 per live marker
Catch and reposition	+5
On-course repairs	+5
Out-of-bounds (OB line)	+5
Gate progress	-2
Bonus gate progress	-15
DNF / unprogressed gate	+20 per gate
DNS / non-bonus gate	+20 per gate

4.1 Reverse / Rollover / Reposition / Vehicle Touch

Reverse +1; rollover +5; reposition +5; vehicle touch +5. Specific catch, repair and gate rules take precedence when applicable.

4.2 Gate Touch / New for 2027

ALL GATES REMAIN LIVE until the competitor crosses the finish line or is ruled DNF. Successfully progressing a gate does not deactivate any untouched marker.

- One live gate marker touched = +10. Both live markers touched = +20.
- Straddling or hovering a gate marker is a gate penalty.
- Once one marker has been penalised, the other untouched marker remains live.
- A gate already progressed can still receive penalties if its live markers are hit later.

04 RUNNING RULES / CONTINUED

4.3 Live-gate scoring examples

Example A: You clear Gate 4 without touching either marker, then roll backwards into the cleared gate. Touch one marker = +10; touch both = +20.

Example B: You touch the left marker while progressing Gate 4 and receive +10. The right marker stays live; touching it later adds another +10.

4.4 Catch and reposition

If height or a roll threatens vehicle damage, the driver may request a catch from the judge. A +5 penalty applies and repositioning to the previous gate is mandatory. The clock stops once the catch is complete and resumes after reposition.

4.5 Repairs

Repairs can be made on-course for +5. The timer does not stop.

4.6 Out of bounds (OB lines)

Crossing/touching an OB line incurs +5. Return inside the course by the most timely suitable route without damaging the course or boundary markers. A marshal or judge may help detangle the vehicle and may stop time where needed.

4.7 Gate progress

Successful progression of a regular gate earns -2. The two cones mark the right and left sides. Both axles must break the gate plane in one successive try. Gates must be approached and progressed in the intended direction. If the final scoring gate uses markers, gate-hit penalties can also apply.

4.8 Bonus gates

Each completed bonus = -15. Bonus points count only if the course is finished. Bonus gates must be completed after the start and before crossing the finish/stop gate.

4.9 Did Not Finish (DNF)

Add +20 for each regular gate not finished/progressed. If a driver elects judge-assisted/Hand of God progression past a gate, it is a +20 DNF on that gate; penalties accrued while attempting it are also retained.

4.10 Did Not Start (DNS)

A vehicle unable to start a course receives +20 for every regular gate on that course. Bonus gates are excluded from this calculation.

05 COURSE START, FINISH AND TIMING

- Start: Front axle crosses the designated start line to begin the course timer.
- Finish: Front axle crosses the designated finish line to stop the timer.
- When separate start/stop gates are absent: Gate 1 and the final regular gate (Gate 10 or Gate 16) control start and stop time.
- Start and finish gates: Dedicated start/stop gates are non-challenge gates, award no progress points and are used solely for timing.
- Gate direction: All gates must be progressed in their intended direction.

06 2027 COURSE FORMATS

Chosen on event day according to entry volume and event requirements.

FORMAT	TIMER	GATES	BONUS	LAYOUT
STANDARD	6 minutes	10	3	Standard course
XL FORMAT	10 minutes	10	3	Large course; technical gates
TWISTED 16	To be confirmed	16	4	Large course; technical gates; pit box

6.1 Twisted 16 Pit Box Rule

A designated pit box is available after progressing Gate 10 for a battery change. The pit box becomes unavailable to that competitor once Gate 11 has been progressed.

Event layout: M.B.K may use one or two courses per class/event, subject to event requirements. Possible out-of-bounds lines may form part of any course layout.

07 ADVANCE NOTICE / 2028 ONLY

-5

METAL CAGE COMPETITION BONUS

Effective from the 2028 competition season. Vehicles running a qualifying metal cage will receive an additional -5 applied to the competition score.

- Metal cage: -5 competition score bonus.
- Plastic cage: no metal cage bonus.
- The metal cage bonus is not part of scale points.
- It does not count against the maximum -20 scale-points allowance.
- This bonus does not apply to the 2027 season.

08 COMMUNITY AND RULE GOVERNANCE

The M.B.K Unlimited rule set was created and discussed by nine members of the RC crawler community, personally selected by founder John Morris. The community-led approach will continue for future reviews.

FOUNDER & OWNER

John Morris

M.B.K UNLIMITED ASSOCIATES

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Thank you to the M.B.K community for helping develop the rules, supporting each other and making our events possible.

Hope to see you all at the rocks in 2027!

Kind Regards,
M.B.K Unlimited