

Trans Am Class Rules and Specifications: as of 5/27/2024

Chassis Specification:

Four Wheel Drive touring car chassis only. Any era or brand 4wd chassis is allowed.

All Cars must be Full Time 4 wheel drive no "1-way" diff or pulley system is allowed

Ride Height Specification:

Minimum ride height is 5mm on Carpet

Weight Specification:

Minimum 1400g in race-ready trim

Battery Specifications:

ROAR approved 7.4v- 7.6v 2 cell LiPo hard cased, 6000mAh MAX limit. 8.40v is maximum voltage allowed.

All house track rules regarding LiPo usage apply.

Approved ESCs:

ANY ESC that is ROAR approved and using ROAR approved "Blinky" spec software or on this list

Tire & Wheel Specifications:

The only tires allowed are PROTOform VTA Rear Tires (31mm) - #10139-00 and PROTOform VTA Front Tires (26mm) - #10140-00. OR Gravity RC G-Spec VTA Tires #GRC146 using stock tire inserts provided with tire and any HPI, Protoform or Gravity Vintage wheels designed to fit these tires. All other tires and/or part numbers are illegal.

Wheels and tires designated as "front" must be used as front tires/wheels, "rear" wheels/tires must be used as rears. Five or Eight spoke wheels available in various colors.

0mm offset front wheels and 6mm offset rear wheels are intended for 26mm width fronts and 31mm width rear tires. HPI 8-spoke Vintage wheels from #3805 through #3814, 5-spoke Vintage wheels from #3815 through #3822 and Vintage stock car wheels from #3854 through #3860, Vintage Wheel CC Type #33472 and #33473, Vintage Wheel DTP Type #33474 and #33475 are all legal wheels. Protoform wheels 2766-03, 2766-04, 2765-03, 2765-04 are all legal wheels. Gravity RC GRC147W and GRC147B are all legal wheels

Grinding of tire tread is NOT permitted. Sanding of mold seam to remove seam is allowed.

Tire traction compounds are at the discretion of the track.

No other altering, changing or softening of the tire is allowed.

No "double stuffing" of foam inserts allowed—only single stock vintage tire inserts are allowed.

All decisions of the race promoter or track owner are final.

Motor Specifications:

Any ROAR approved 25.5 motor that is on the ROAR list and only 12.3 rotor
Novak SS25.5 Pro brushless motor (pn:3425V) or Ballistic 25.5 (pn:3625V-stator only
pn:S6625) Club (pn:3331) or Boss (pn:3626V) are grandfathered in and also legal

Gravity GRC2025 SCALE SPEC 25.5 (30deg fixed timing) is also legal. As of July 1, 2024, this will be the only legal motor for USVTA racing.

Only physical motor timing advance is allowed, however Ballistic/Boss motors may be advanced beyond the last line of the timing range sticker.

12.3 mm rotor diameter only (no "tuning" rotors are allowed, only stock Novak rotors allowed).
Using ceramic bearings in the motor makes you a dork. No modifications or optional parts allowed on motor can, endbell, stator, or rotor other than the Boss #5925 Ballistic 540 Vented Endbell/Bearing Racing Upgrade Kit (replacement) .

No cooling holes or other changes allowed to motor.

Fans and external clip on heatsinks are allowed, but integral type heatsinks/fans including but not limited to those that require motor disassembly to mount are illegal.

All decisions of the race promoter or track owner are final.

Race Specification:

- 5 minute qualifiers

- 8 minute mains

- Larger Races IFMAR-type starts are a better option. All smaller "club" heats and mains should be straight-up starts, with random sorts for each heat if desired. Non random sorts should shuffle starting order for each heat.

Optional Main Variations:

- 12-20 car A-mains, depending on car counts.
- Invert qualifying order based on random hat pull (top 6-10 cars).
- "LeMans" type starts where all cars are lined up on an angle to the racing line in order.
- Run track in reverse rotation for mains.
- Rolling starts

MOST IMPORTANTLY: If it's not in the rules, and does not encompass the spirit of slower, controlled racing with realistic looking cars, consider it illegal. This is called the "Spirit of VTA" Rule.

The class is based on slower, equal playing field competition with less traction, minimal aerodynamic aids and mostly older carpet racing technology. The final objective is close, fair, wheel-to-wheel racing for all.

All decisions of the race promoter or track owner are final.

Body Specifications:

Late '60s to early '70s American pony car Vintage Trans-Am bodies only

Body provided deck lid spoilers allowed (not wings).

For the HPI, Bolink/RJ Speed Mustangs, McAllister Cougar and others which are not provided with a spoiler:

A lexan spoiler of 16mm total height from trunk deck, and overall chord of 20mm is allowable.

All other bodies must use the spoiler included with that specific body set.

Built in spoilers may not be enhanced.

No additional skirts or raised/extended wings or air control surfaces allowed unless specified by these rules. Body must be trimmed at body trim lines.

Front spoiler may be extended into body to provide durability.

Full rear bumper required.

It is highly preferred that bodies are detailed in race type livery in period-correct paint schemes. Fluorescent colors, wild graphics, chromes and non-period correct paint schemes are frowned

upon. All cars must have a number on the hood, both doors and trunk lid. Wheel covers of any type are NOT allowed.

Altering the body for the purpose of lightening by sanding, scraping, or any other method is ILLEGAL. **Body minimum weight 95g - any additional weight required for a legal body must be added to the roof of body**

All cars must include a three dimensional driver figure consisting of at least a head and shoulders.

Driver Figure part numbers (ANY suitable 1/10 driver figure is legal-these are readily available examples)

HPI

#104815 INNER BODY SET FOR DT-1 TRUCK BODY

Associated

6180 Driver, unpainted, 1:10

McAllister

#423 Stock Interior and Driver

#419 SPRINT CAR DRIVER

Bolink part numbers:

BL2262 '68 Chevrolet Camaro

Also known as RJ Speed Part # BOL2262

BL2263 '65 Ford Mustang

Also known as RJ Speed Part # BOL2263

HPI part numbers:

17510 - 1970 Plymouth AAR 'Cuda

7494 - 1968 Chevrolet Camaro

17531 - 1969 CHEVROLET CAMARO Z28

17508 - 1965 Ford Shelby GT-350

17519 - 1966 Ford Mustang GT

104926 - 1966 FORD MUSTANG GT COUPE BODY

17546 - 1970 Ford Mustang Boss 302 (scale wing ok)

105106 - 1970 DODGE CHALLENGER BODY

McAllister Racing part numbers:

#286- 1969 Mustang body
#295- 1970 Pontiac Firebird Trans Am VTA body- 1/10- 200mm
#304- 1970 CAMARO TRANS AM BODY-1/10th, 200mm, VTA Class
#305- 1968 COUGAR TRANS AM BODY-1/10th, 200mm, VTA Class
#315- AAR CUDA VTA

Parma part numbers:

10143 - 1969 Z28 Camaro
10141 - 1970 Boss Mustang
10113 - 1970 'Cuda

Pegasus Hobbies part numbers:

PGH4001 - 1970 Camaro SS
PGH4002 - 1970 'Cuda
PGH4003 - 1970 Mustang

Protoform part numbers:

#1526 - J71
#1535-30 1971 Pontiac® Firebird Trans Am
#1552-40 1971 Chevrolet Camaro
#1558-40 1968 Ford® Mustang Clear Body
#1562-40 1969 Chevrolet Camaro Z28
#1579-30 1967 Dodge Dart
PRM159400 - 1970 Plymouth Barracuda